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• Traditional Cherry Bookcase
• Turning Wall Street II Pens
• Organizing with French Cleats
• Compound Angle Saw Horses

5 NEW TOOLS
• Saw Gauge 2.0
• Saddle T-Squares
• Paolini Pocket Rules
• SS Precision Squares
• Adjustable Track Square
Success in the workshop depends on the care you put into machinery set up, the accuracy of your layout work and consistently checking your work during assembly. All three jobs call for an accurate, well-made square, and here are several to choose from. Woodpeckers Precision Woodworking Squares feature unique designs, are built with optimal materials and undergo rigorous quality control. You’ll soon find yourself more confident that your joinery is going to come out dead on.

**Design Features**
The cores of our squares are one precisely machined piece. Compare that to traditional designs with a rectangular blade riveted to a separate beam made of a different material. The cheeks added to this central core are narrower by a quarter of an inch, forming a shoulder also not found in traditional square designs. The shoulder allows the square to rest on the edge of a board without you holding on. We use this same fundamental design in squares from 6” to 26” and with two different core materials. Our familiar anodized aluminum squares excel at checking assemblies and striking lines square across your stock. Our new stainless steel squares improve and simplify your lay out work with their 1/16” thick blade, laser-engraved graduations and precision-milled scribing notches.

**Materials**
Woodpeckers uses “cast and ground tool plate” aluminum in our squares cores. It’s the most dimensionally stable aluminum made. The new stainless steel square cores are milled from 410 stainless, heat treated for strength and bead blasted to produce a non-glare satin finish. The measurements on the squares aren’t screen printed or stamped, they’re laser engraved, one at a time, to a tolerance of ±0.004”.

**Quality Control**
Representative samples of every run of squares are examined on our computer-controlled optical inspection system. Additionally, every single square is checked by hand against certified granite reference blocks during final assembly. We guarantee our squares to ±0.0085° for the life of the tool. If you ever find your square outside those tolerances, we’ll fix it or replace it.
We've packed many of the great features of our aluminum squares into our new stainless-steel models...and then gave them some unique features, too. Notice the lip formed by the central core being slightly wider than the beam cheeks. Your square won't roll over. That's a feature you'll see in Woodpeckers squares from 6" to 26".

The solid footing provided by the 3/4" beam allows the square to stand on its own for hands-free alignment checks.

Unlike traditional two-piece squares, Woodpeckers squares have a one-piece central core that is machined to exacting tolerances.

The new stainless steel squares include laser cut scribing notches for accurate parallel scribing.

641
6" x 4"
ALUMINUM

642SS
6" x 4"
STAINLESS

851
8" x 5"
ALUMINUM

1281
12" x 8"
ALUMINUM

1282SS
12" x 8"
STAINLESS

1812
18" x 12"
ALUMINUM

2616
26" x 16"
ALUMINUM

SEE PAGE 5 TO ORDER
Welcome to Woodpeckers Woodworking, the first edition of our catalog which shows you not just what tools we sell, but cool ways to use them. Woodpeckers President, Rich Hummel, has been turning this idea around in his head for years, and I couldn’t be more delighted that he asked me to make it happen.

First things first...new products. What a great batch of new products we’re adding with this catalog. In the Measuring & Marking category we’re introducing two new stainless-steel squares and a new version of our table saw alignment tool, Plus, our Paolini Pocket Rules and Saddle T-Squares have been converted from OneTIME Tools® to permanent, always available products. In Power Tool Accessories, the Adjustable Track Square takes your track saw to a new level of performance for accurate cross-cutting at any angle.

Now, let me tell you about the projects. We want to help you get your Woodpeckers tools out of the drawers and off the walls, so starting with this issue, between the product categories you’ll find project articles similar to what you would see in your favorite woodworking magazines.

First up is woodworking author and editor, Asa Christiana with an article on shop organization with French cleats. They’re a great way to hang your Woodpecker MDF tool cases and Asa shows you how to make custom hangers for your other tools, too. Next, George Snyder, who heads our Marketing department here at Woodpeckers, shows you how simple it is to turn out a really gorgeous turned ink pen using the Wall Street II kit. Our main feature was written by Indianapolis-based professional furniture maker and YouTube sensation, Guy Dunlap. Guy uses the Parallel Guide System we introduced a few months ago, and several of our other power tool accessories, to build a traditional YouTube sensation, Guy Dunlap. Guy uses the Parallel Guide System we introduced a few months ago, and several of our other power tool accessories, to build a traditional woodworking magazine.

We hope you enjoy the articles. Hopefully one of them will be just the inspiration you needed to get out in your shop and start building. We would love to see pictures of what you’ve made, hear what you think about our new format and listen to your suggestions for future articles. E-mail me at editor@woodpeck.com

Woodpeckers Woodworking

Jeff Farris
Editor
Woodpeckers Woodworking

Woodpeckers® ECLUB
If you want to be “in-the-loop” and know what is coming up in the OneTIME Tool® program, join the Woodpeckers e-Club.

Just go to woodpeck.com and click on “Join Our E-Club” at the top of the home page. We’ll send you an email each time a new OneTIME Tool® is offered.

ALL OF OUR WOODPECKERS BRAND PRODUCTS ARE PROUDLY MADE IN OUR STRONGSVILLE, OH FACTORY!

CHECK OUT ALL OUR VIDEOS AT YOUTUBE.COM/WOODPECK100

SHOW US WHAT YOU ARE WORKING ON...

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**PRECISION WOODWORKING SQUARES**

**ALUMINUM SQUARES** - All in wall mountable cases

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**STAINLESS STEEL SQUARES** - All in wall mountable cases

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See Page 2 for More Details on the Precision Woodworking Squares

Not just for layout work, these squares are ideal for machinery set up, too.

Not the one-piece blade allows you to mark all the way to the edge of your work.

Our largest Precision Woodworking Square, the 2616, is ideal for setting up Festool's MFT table and track saw rails.

Our most popular square, the 1281, is an ideal general purpose shop square.
Take Panel Lay Out Accuracy to a New Level

**Striking Lines Parallel** with the edge of your stock couldn’t be easier, once you have a Woodpeckers T-Square in your shop. The beam of the T-Square has a lip that rests on the top surface of your stock, preventing the tool from rolling like most T-squares. Precision machined holes are spaced every sixteenth of an inch down the length of the blade. They’re just right to drop in the point of a .7mm or .9mm mechanical pencil and scribe a perfectly parallel line just by holding the pencil in one hand and sliding the T-square with the other. In addition to the scribing holes, there are 1/4” diameter holes on 1” centers, perfect for laying out shelf pins.

The joint between the beam and the blade has been engineered to deliver unparalleled accuracy. The countersunk pockets in the blade have a very slight offset which forces the joint into perfect alignment as the screws are tightened. It starts square and stays square better than riveted joints, and can be repaired if damaged.

**Lip of beam overlaps your stock edge for unparalleled stability while you mark.**

**Laser-engraved scales graduated in 32nds are aligned perfectly to the edge of the T-square beam.**

**The 30° beveled edges puts the scale markings right next to your work, reducing parallax error.**

**Precisely machined holes spaced every 1/16” fit both standard and mechanical pencils. 1/4” holes on 1” centers are perfect for shelf pin location.**

**For your layout work,** the edges of the blade are beveled, putting the scale markings right down next to your stock, where you need them. The scales are laser engraved to a tolerance of ±.004”. The white engraving on our famous “Woodpeckers Red” anodized finish delivers a very readable contrast, even for older eyes or poor lighting conditions.

**We offer four versions** of our T-Square, 12”, 24”, 32” and 600mm, each delivered in a custom fit wall-mountable case.

**PRECISION T-SQUARES**

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<td>32” Precision Woodworking T-Square in Wall Mountable Case</td>
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</table>
Saddle Up for Accurate Joinery Lay Out Work

Whether you have 40 years of woodworking experience or 40 hours, those tiny lines on rules and tapes can be hard to work with. Woodpeckers Saddle T-Squares improve your layout accuracy with three unique features — a series of holes to guide your pencil, an edge that wraps around your work, and a high-contrast laser-engraved scale. These three great features are packed into tools that easily drop in your shop apron or carpenter jeans pocket, so you’re always ready for precision layout work.

**Precision Parallel Scribing.** The first thing people notice when they see our Saddle T-Squares is the array of holes perforating the center of the blade. The holes are milled precisely 1/32” apart and are sized just right for the tip of a mechanical pencil. Marking a line parallel to the edge of your stock is as simple as finding the hole you want, dropping in a pencil and sliding the Saddle-T along the edge.

**Wrap Around Marking.** Instead of struggling to re-align a square to transfer a mark from the face to the edge, with the Saddle T-Square you can do it in one fluid motion. The 3/4” deep reference edge is machined perfectly in line with the scale edge.

**Beveled Edges and High Contrast.** When you do need the scale, you’ll never find one easier to read than the scale on the Saddle-T Square. We beveled the edges 30 degrees to put the calibrations right down on top of your work, and the bright white laser-engraved scale is easy to read against the red anodized surface. Prefer metric? We make the same tool with the pencil-tip guide holes on a 1mm grid and metric scales on the edges.

**Choose Your Size or Get the Whole Set.** We make the Saddle T-Squares in 4”, 6”, 8” and 12” lengths and metric equivalents. The sets come with your choice of a Woodpeckers molded case, a Systainer, or our new wall-mountable Saddle-T Rack-It™.

**SADDLE T-SQUARES**

- **SDLTSET-BS** Saddle T-Square Set of 4 in Systainer - Inch $369.99
- **SDLTSET-MS** Saddle T-Square Set of 4 in Systainer - Metric $369.99
- **SDLTSET-IW** Saddle T-Square Set of 4 in Woodpeckers Case - Inch $329.99
- **SDLTSET-MW** Saddle T-Square Set of 4 in Woodpeckers Case - Metric $329.99
- **SDLTSET-IRI** Saddle T-Square Set of 4 & Rack-It - Inch $299.99
- **SDLTSET-MRI** Saddle T-Square Set of 4 & Rack-It - Metric $299.99
- **SDLT04** 4” Saddle-T $54.99
- **SDLT06** 6” Saddle-T $74.99
- **SDLT08** 8” Saddle-T $94.99
- **SDLT10** 10mm Saddle-T100 $54.99
- **SDLT12** 12” Saddle-T $114.99
- **SDLT30** 30mm Saddle-T300 $114.99
- **SLDTRI** Saddle-T Rack-It $14.99

**Parallel scribing is guided by precisely milled pencil guides on a 1/32” grid.**

**Mark around the corner of your stock in one smooth motion.**

**Face & edge marked perfectly in line with each other.**

**The Saddle-T Rack-It provides a handy storage solution than can mount just about anywhere in your shop.**

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**CALIFORNIA RESIDENTS: WARNING:** Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
**Woodpeckers, LLC**  •  1-800-752-0725  •  woodpeck.com

**Our 6” Carpenters Square** is a perfectly machined combination 90° and 45° miter square with cheeks added to the base leg and a laser-engraved inch scale on the vertical leg. It’s handy square to have with you in the shop all the time, but particularly handy when working with framing lumber. It’s a fast and accurate tool to have in your belt when you’re framing.

**Quality begins with the blade** being machined from cast and ground aluminum tool plate. The solid aluminum cheeks are milled from solid bar stock and fastened to the body with high-strength socket screws. The bolted-on cheeks ensure the tool can be re-calibrated to the blade if knocked out of position.

**CRPSQ6-INRD 6” Carpenters Square .................. $79.99**

---

**You can use any square** for checking a chisel or plane blade, but they’re usually too long to clear the handle, not wide enough to make it easy to align to the edge and generally poorly designed for the job.

**For sharpening,** the Woodpeckers Mini Square is just the right size, made out of the right material and is one of the only squares specifically designed for sharpening.

**The inside dimensions** are 1-1/8” x 2”. Each square is machined from a solid block of aluminum, which ensures a very square and stable tool. Being made of aluminum has other advantages as well: It’s resistant to corrosion, is easy to handle and won’t damage fragile cutting edges.

**An anodized surface** adds more durability to the tool and the red color offers greater contrast against the gray color of most tool steels. Fits in your pocket or its own custom-fit case.

**MINISQUARE Mini Square in Protective Case .................. $27.49**
Transfer Complicated Spacing Layouts the Easy Way

Woodworkers & builders of all stripes have relied on the story stick for centuries. Usually a piece of scrap stock with some scratch marks on it, they’ve always done their job. But, now Woodpeckers has elevated the concept by using extruded aluminum track, laser engraved scales and crystal clear marking tabs.

In the woodshop, you can use Story Stick Pro to lay out precise locations for cabinet parts including face frame stiles and rails, partitions, shelves, drawers and more. Use it to mark precise, repeatable locations of cabinet hardware like door hinges, drawer slides, knobs and pulls.

There are three tab options that work with the Story Stick Pro, each with its own unique application. The Standard Tabs go completely across the track, allowing you to mark both right and left sides of a cabinet frame by simply turning the Story Stick Pro around. If you’re working in the middle of a sheet, the Offset Tabs get the marking edge down on the same plane as the bottom of the track, and still bridge the track for mirror image marking. Finally, the Caliper Arms allow you to take inside or outside measurements and transfer them precisely to a layout or to your table saw.

Story Stick Pro is available in three configurations, Story Stick Pro-24, Story Stick Pro-48 and Story Stick Pro-96.

Story Stick Pro-24 and Pro-48 come with four Standard Tabs and an End-Stop. The scale is calibrated from left to right on one edge and from the center of the track on the other. Both are available in inch and metric models. Offset Tabs and Caliper Arms can be added.

Story Stick Pro-96 achieves its massive length by fastening three lengths of track together. The scale on one edge is fractional with metric on the other. Story Stick Pro-96 comes complete with everything you need; (3) sections of track to make up the 8’ length, (6) track connectors, (4) Standard Tabs, (4) Offset Tabs, a set of Caliper Arms and an End-Stop.

Use Caliper Arms to “take off” precise inside or outside measurements …then instantly transfer to your saw fence.

Offset Tabs step down to be even with the bottom of the track allowing work in the center of a panel.

STORY STICK

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CALIFORNIA RESIDENTS WARNING: Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
Perfect Pocket Partner for Lay Out & Set Up

What sets Paolini Pocket Rules apart from all others? The most unique feature is the stop that slides up and down the length of the blade. Lock it in to make repetitive measurements on multiple boards. There’s also a fine notch in the end of the rule. Set your stop, place a pencil in the notch, and you’ve got an instant marking gauge.

When you need vertical measurement, slide the stop off the end and insert it into the cut-out on the blade. Now your rule has a perfect stand to keep it upright while you use both hands to dial in the height of a router bit, saw blade or dado stack, matching it to the easy-to-read scale engraved on the end of the rule.

Two material choices and three calibration options. The bright white laser engraved scales on the “Woodpecker Red” anodized surface make the original aluminum Paolini Pocket Rule one of the easiest-to-read rules on the market, as well as one of the lightest. If you prefer a thinner rule, go for the stainless steel version. Both are milled to a precise 1-inch width. The anodized aluminum rule is 1/8” thick and the stainless model is 1/16” thick. Both are available with your choice of inch-only, metric-only or inch-metric combo calibrations. Regardless of the material or calibration choice you make, you’ll love the clean, precise look of our state-of-the-art laser engraving, as will generations of woodworkers to come.

PAOLINI POCKET RULES

PAOLINI POCKET RULE - ANODIZED ALUMINUM

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PAOLINI POCKET RULE - STAINLESS STEEL

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Keep your rules handy with a PPR Rack-It™.
The Difference Between a Straight Edge & a Rule?

Rules are designed to measure distance and guide a pencil or blade. Straight Edges are designed to check the flatness of surfaces. While a lot of folks use a rule as a straight edge, once you’ve used Woodpeckers SERX straight edge, the light bulb will go on and you’ll get it. First, the SERX is held to a tolerance of ±.001” per foot. Next, one edge of the SERX is machined with a precise vee-groove that allows the SERX to stand on its own, yet have a very thin contact point, which improves visual inspection. To further improve visibility, we laser engrave a solid white bar near, but not on the edge. It enhances any light shining between the straight edge and the surface being checked.

But hold on... while a rule isn’t a straight edge, a straight edge can be a rule. To give you more utility from your SERX, we beveled the other edge and laser engraved it with a fractional scale. The bevel gets the scale right down next to your work, where it’s needed. The bright white laser-engraved markings have strong visual contrast against the red anodized surface. Available in 24” and 36” lengths.

STRAIGHT EDGE RULES

SERX Straight Edge Rules are ideal for machinery inspection and alignment.

But hold on... while a rule isn’t a straight edge, a straight edge can be a rule. To give you more utility from your SERX, we beveled the other edge and laser engraved it with a fractional scale. The bevel gets the scale right down next to your work, where it’s needed. The bright white laser-engraved markings have strong visual contrast against the red anodized surface. Available in 24” and 36” lengths.

STRAIGHT EDGE RULES

SERX-24 SERX 24” in Wall Mountable Case ............................................. $49.99
SERX-36 SERX 36” in Wall Mountable Case ............................................. $65.99
Woodpeckers Woodworking Rules are straighter, heavier, sit flatter, and are easier to handle than any others on the market. Each Woodworking Rule is machined from aircraft-grade aluminum and anodized for surface protection and appearance. Both edges of the rule are beveled to reduce parallax error. The laser engraved scales have great contrast against the red anodized surface. Finger grooves are machined into the middle of the body to help position the rule. On the backside, there’s a relieved section in the middle to keep the edges lying perfectly flat on your work.

Our Woodworking Rules come in five inch sizes (6”, 12”, 24”, 36” & 49-1/2”) and 4 metric sizes (300mm, 600mm, 900mm & 1200mm). There are several calibration options to choose from. Our most popular is calibrated from left to right on one edge and from the center on the other. The centering scale is just the ticket for so many jobs, locating hardware for one obvious example. In the larger sizes, we offer left-to-right calibrations on both edges. In the 49-1/2” size there are two additional options; left-to-right/right-to-left and fractional/metric.

Beveled edges on the Woodworking Rules improve handling and eliminate parallax error when transferring measurements to your stock. Woodpeckers Woodworking Rules offer a straight, firm edge that you can use when cutting veneer with an X-Acto knife.
Enhance the performance of Woodpeckers Woodworking Rules with an adjustable Rule Stop or the zero-locating Hook Stop.

The 2” Rule Stop slides along our Woodworking Rules and clamps wherever you want it, making repetitive marks at the end of the rule quick and accurate. Responding to thousands of customers, we designed a similar stop for 1” steel rules, like those made by Starrett. Our 12” and longer rules have threads in one end to accept our Hook Stop. With the Hook Stop installed, you’ll never again try to feel if the edge of the rule is perfectly aligned to the edge of your stock...it will be. The Hook Stop speeds layout operations by ensuring you’re registered to the edge and squared up, too. The Hook Stop is not compatible with our 6” Woodworking Rule.

**WOODWORKING RULES**

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<tr>
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<td>WWR900 900mm Woodworking Rule</td>
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<td>WWR49 49.5” Woodworking Rule</td>
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<tr>
<td>WWR1200 1257mm Woodworking Rule</td>
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**LEFT-TO-RIGHT / LEFT-TO-RIGHT**

| WWR-024024 24” Woodworking Rule            | $36.99            |
| WWR-036036 36” Woodworking Rule            | $47.99            |
| WWR49-SAW 49.5” Woodworking Rule           | $79.99            |
| WWR1200-SAW 1257mm Woodworking Rule        | $79.99            |

**LEFT-TO-RIGHT / RIGHT-TO-LEFT**

| WWR-49TS 49.5” Woodworking Rule            | $79.99            |

**FRACTIONAL / METRIC**

| WWR491200 49.5” Woodworking Rule           | $79.99            |

**BUNDLES**

| WWRCOMBOI 6”,12”,24”,36”,49.5” Rules + Hook Stop | $225.94 |
| WWRCOMBOM 300, 600, 900, 1200mm Rules + Hook Stop | $212.95 |

**Rule Stops & Hook Stops**

Enhance the performance of Woodpeckers Woodworking Rules with an adjustable Rule Stop or the zero-locating Hook Stop.

The 2” Rule Stop slides along our Woodworking Rules and clamps wherever you want it, making repetitive marks at the end of the rule quick and accurate. Responding to thousands of customers, we designed a similar stop for 1” steel rules, like those made by Starrett.

Our 12” and longer rules have threads in one end to accept our Hook Stop. With the Hook Stop installed, you’ll never again try to feel if the edge of the rule is perfectly aligned to the edge of your stock...it will be. The Hook Stop speeds layout operations by ensuring you’re registered to the edge and squared up, too. The Hook Stop is not compatible with our 6” Woodworking Rule.

HOO KSTOP Hook Stop ................................................. $21.99
(Hook Stop cannot be mounted to 6” Woodworking Rule)

| RS-1 1” Rule Stop 1                           | $32.99 |
| RS-2 2” Rule Stop 2                           | $44.99 |

CALIFORNIA RESIDENTS WARNING: Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
Woodpeckers new Woodworkers Edge Rule simplifies your life by wrapping around the edge of your stock and giving you an accurate scale on both sides. The short side is just 3/8" wide, giving you plenty of room to mark stock as thin as 7/16". The long side reaches 3/4" across the face of your piece. Whether you're working on the edge or the face, the corner of the Edge Rule always keeps you properly aligned.

Here are just a couple of applications for this nifty new rule:

A. Measurements from Inside Corners Hardware installation usually calls for a measurement referenced from an intersecting cross-member...like the rails and stiles of a cabinet face frame. The Edge Rule makes this a simple job, keeping your scale square to your stock and starting flush at the edge. Just by flipping the tool over, you can come in from either right or left just as easily.

B. Marking Edge & Face By placing the desired dimension at the end of your board as shown in the photo, you can mark both the face and edge at the same time. As mentioned above, this works just as easily and accurately from right to left as it does from left to right.

C. Finding Center of 3/4" Nominal Stock We all know 3/4" plywood isn't 3/4" anymore, and even if you're careful with your planer, solid stock can be a hair under or a hair over. Using the short side of the Edge Rule, you can scribe a line from both sides and the center of the board is between the two lines...it doesn't matter whether your stock is slightly under or slightly over, the center will always be between the lines.

D. Mid-Field Measurements Even when you're not working at the edge of your stock, you'll still find the Edge Rule handy. The profiled shape makes it easier to move around on your stock than a thin, flat rule and the beveled edges get the scale right next to your stock where you need it. The angle inside the Edge Rule is 89°. This slightly acute angle puts the contact between your workpiece and the Edge Rule at the outside edges which means slight deviations in your workpiece edge won't throw off your measurement. Both edges are beveled, putting the scale right next to your work, which simplifies marking and minimizes parallax error. The Edge Rules are anodized for surface protection and to give them our familiar “Woodpeckers Red” color. The scale is laser engraved with 1/32nd graduations to a tolerance of ±.004".

Woodworkers Edge Rules are available in 6", 12", 24" and 36" lengths. The small size and unique profile make the 6" Edge Rule an ideal pocket rule to keep with you all the time. Your choice in the longer Edge Rules depends on the scale of your work. If you make jewelry boxes and smaller scale projects, the 12" is perfect. Furniture and cabinet projects call for either the 24" or 36". If you do it all, get it all...we offer special pricing on a full set. All Woodworkers Edge Rules read from left to right.

Repetitive marking is easier and more accurate when you add an Edge Rule Stop. If you need a place to keep your Edge Rules organized, the Edge Rule Rack-It™ keeps them handy and safe (requires an Edge Rule Stop for each stored Edge Rule).
WOODWORKERS EDGE RULES

Edge Rule wraps around your stock insuring parallel alignment and simplifying simultaneous edge and face marking.

WOODWORKERS EDGE RULE

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<td>ERULE-M-KIT</td>
<td>Woodworkers Edge Rule Set of 4 - with Rack-It and 4 Stops - Metric</td>
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Keep your Edge Rules organized and accessible with the Edge Rule Rack-It.

Edge Rule Stops available individually. Edge Rule Rack-It™ includes 4 stops.

Edge Rules work just as well when you’re working in the center of a large panel.

Edge Rule Stops ensure accuracy on repetitive marking.

Keep your Edge Rules organized and accessible with the Edge Rule Rack-It.

D

Patent Pending

Edge Rule wraps around your stock insuring parallel alignment and simplifying simultaneous edge and face marking.
Table Saw Tune-Up Makes Projects Go Smoother

Adjusting the alignment between the blade and the miter slot of your table saw is the single most important thing you can do to improve your woodworking. The next item on that list is adjusting your rip fence to be parallel to the miter slot. With the miter slot, rip fence and blade all parallel to each other, your table saw is ready to deliver accurate cuts. Woodpeckers new Saw Gauge 2.0 makes those adjustments easier and more accurately than any other tool on the market. What sets Woodpeckers Saw Gauge 2.0 apart from the rest is our method of registering the gauge in the miter slot.

After-market table saw accessories have always faced the same dilemma; miter gauge slots vary widely by both design and manufacturing tolerance. Woodpeckers founder, Rich Hummel, solved the problem (and received a patent for it) while working on the original Saw Gauge. By dropping two small polished pins in the miter slot and placing a larger pin between them, the middle pin stays precisely centered regardless of the miter slot width or any deviation from end to end. No matter what kind of saw – old, new, American legend, European masterpiece or Asian import – if the miter slot is close to 3/4", Woodpeckers Saw Gauges register precisely on the center of the miter gauge slot.

Just drop the pins in the miter slot, adjust the arm so the dial indicator just kisses the saw blade and check it at the front and back of the blade. It’s that easy. The “2.0” part comes next. While Woodpeckers original Saw Gauge uses the same slot location method, it has a maximum reach of 6-1/2 inches. In version 2.0, the arm that holds the dial indicator can be extended. The basic arm of Saw Gauge 2.0 has a little over 5 inches of travel... just right for miter slot to blade measurements. Add the extension and you can check your rip fence for parallel up to 20 inches from the miter slot. Check at several different points along the travel of the fence and you have just confirmed that the rip fence rail is perpendicular to the miter slot. The extra-long, tight-tolerance track connectors ensure that the arm is rigid and straight.

If you’re looking to save some money and have confidence in your rip fence rail system, our original Saw Gauge might be for you. It uses the same patented slot location mechanism and the same dial indicator as the new Saw Gauge 2.0. The difference is a reach of 6-1/2 inches versus 20 inches.
SAW GAUGE 2.0 & SAW GAUGE

SG2-SYS  Saw Gauge 2.0 in Systainer Case ...................... $249.99
SG2-WP   Saw Gauge 2.0 in Woodpeckers Case ............... $199.99
SG2-SYS-ND Saw Gauge 2.0 (No Dial) in Systainer Case ..... $229.99
SG2-WP-ND Saw Gauge 2.0 (No Dial) in Woodpeckers Case... $179.99
SG-WP    Saw Gauge in Woodpeckers Case ....................... $89.99
SG-WP-ONLY Saw Gauge (No Dial) in Woodpeckers Case ...... $65.99

Using the Saw Gauge

STEP 1: DROP IN THE PINS
By stacking a large pin on two smaller pins, the base of the Saw Gauge is perfectly centered on your miter slot, even if it varies from end to end.

STEP 2: SET THE SAW GAUGE
Drop the base on the pins and adjust the track until the dial indicator has some range. Rotate the dial to zero and you’re ready to check your saw.

STEP 3: WATCH THE NEEDLE
Slide the Saw Gauge to the rear of the blade and check the dial indicator to see if the blade and slot are parallel. Adjust arbor to be within ± .001”.

All parts (including storage case) are made in U.S.A. except for the dial indicator which is imported.

CALIFORNIA RESIDENTS WARNING: Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
When I opened up my new Woodpeckers measuring and marking tools, I immediately noticed they were cradled in custom-fit tool panels. These CNC-milled holders aren’t just to keep the tools protected in transit. They’re designed to mount on your shop wall for safe storage and easy access. Small pivoting tabs on each panel keep your precision tool secure until you reach for it. Of course, you can just screw them to the wall, but I wasn’t exactly sure where I wanted them, and I tend to periodically change my mind about how my shop is organized.

I decided to use the arrival of my new tools as an excuse to tackle some long overdue shop organization. A clever way to hang these tool panels (and just about everything else, too) is a French cleat system. French cleats are simply two pieces of wood, each beveled at 45 degrees. One attaches to the wall bevel-side-up and the other attaches bevel-side-down to whatever you’re hanging. When you hook one cleat onto the other, gravity takes over, pulling the hanging object tightly against the wall. The heavier the object, the more secure it is on the wall. Lift it up, and it comes away just as easily. Beyond shop storage, this is a great system for mounting anything to any wall...upper cabinets, for example.

In the shop, a few rows of strategically placed French cleats create a versatile and easily adjustable storage system. Rather than tell you specifically how to build something, this article should inspire you to look at your shop layout and figure out how to make French cleat wall storage work for you. I’ll show you how I made French cleats work with the Woodpeckers tool panels and then how I made a couple of custom panels for the other tools in my shop that need easy access. I put a series of cleats on the wall near my workbench for my measuring and marking tools, chisels, spokeshaves block planes etc. I put another small group near my table saw to store push sticks, blades, throat plates, wrenches and all the rest. I’m going to add another by my router table and another by my band saw...you get the idea. With a system like this you can keep what you need where you need it and it’s modular so you can change your mind and shuffle everything easily.

In a typical French cleat cabinet installation, only one cleat is used. In that case, you inset the cleat into the back of cabinet so the cabinet sides rest against the wall. You can also hang tool panels by a single cleat, but you’ll need to add a spacer equal to the thickness of the cleat to the lower section of the board. Installing equally spaced rows of cleats eliminates the need to add a spacer to everything...the lower cleats act as the spacer for the upper ones.

There are no “hard and fast” rules for how big or how many or what spacing works best. Like all storage projects, think about how you’ll use the space and the tools you’re storing. I’ve found 3” to 3-1/2” works fine for the wall mounted cleats. The cleats mounted to the hanging panel don’t need to be nearly that wide. I used 2” on most of them. The pictures show 3-inch cleats spaced 5 inches apart. I’ve also seen it done with 3” cleats spaced 3” apart...it really is up to you and the stuff you need to hang. There’s little need to run the cleats all the way up the ceiling, nor much below waist level.
Flexible French cleat storage system lets you hang your tools right where you need them. They’re a great way to hang the tool panels included with many Woodpeckers measuring and layout tools.

I ripped strips of 3/4” plywood about 5 inches wide. Then, ripped each strip again with a 45° bevel cut. I made this cut about an inch off center, leaving me one wider (3-inch) and one narrower (1-3/4-inch) cleat. I mounted the 3-inch cleats to the wall and used the 1-3/4-inch strips on the tool panels. When ripping the cleats, position your fence so the blade is tilted away and keep a push stick nearby to help you finish the cut safely.

I screwed the lowest cleat into the wall studs making sure it was level. Then I used a spacer as shown to add more cleats to the array. The spacer should be a little wider than the wall cleats to allow plenty of room to insert the hanging cleats.

Attach short cleats to your tool panels. Make these by cutting your narrower beveled cleat stock to fit the board you’re hanging. When placing screws, avoid the tool pockets on the front of the board.
I made the wall-mounted cleats out of plywood ripped on the table saw with a 45-degree bevel. You can use almost any thickness of plywood (or solid stock for that matter), but all your cleats -- both wall-mounted and the ones you’ll use to mount things -- need to be the same thickness. In other words, pick a size and stick with it. I used 3/4” Baltic birch plywood. This is a good project to use up some scraps, as long as you have enough scraps of the same thickness to get the entire job done.

Attach the wall-mounted cleats to studs with construction screws. Drill clearance holes in the cleats so the screw head is pulling the material firmly to the wall. I used a level to position the lowest cleat, and then made spacers to keep the others parallel and evenly spaced.

Mounting your tool panels on the wall cleats is as easy as cutting a cleat to the right length and screwing it to the back of the board. Pay attention to the tool location and avoid placing screws where they will go through the case and into your new tool. Drill clearance holes in the cleats so the screws pass through freely.

Find a nice location on your wall system and drop the tool panel into place. It’s that simple. When you need the tool, just flip the retainer clips and grab it. If you change your mind about location, just lift it up and move it to where you should have had it in the first place. You’ll love the convenience, and visitors will envy your organizational skills.

After I got all my Woodpeckers reference tools up, I decided to press on and organize the other stuff I reach for all the time. I created my own wall panel, with an array of customized holders and hooks. After I had it just right, I mounted it on the same cleat system. My shop-made tool holders are similar to the Woodpeckers tool panels; they keep my tools totally secure on the wall yet easily accessible. For the large tool panel, I started with a full sheet of birch plywood, cutting it to size on my table saw. I used the rest of the sheet to make the cleats. If you don’t have the space to handle a full sheet, most home centers now carry convenient half and quarter sheets. I rounded the corners with my jig saw and eased all the edges with a 1/4” round-over bit to give the panel a more finished appearance.

Designing the holders was a fun exercise. Tools with hanging holes on them already can go on a screw or hook, but I like the look of a wooden dowel better. For everything else I made custom wood holders, rounding the edges to match the edges of the big panel. For tools with round shafts, like screwdrivers, awls, and such, I drilled a series holes spaced out correctly on a piece of hardwood, then glued and screwed the block to the panel. For other tools, I got more creative. There’s no right or wrong way to do it, just keep these principles in mind.

- **Space Efficient** Take the tools you want together and lay them out on the wall panel, fitting them next to each other both logically and physically.
- **Ease of Access** Make sure things are spaced out to allow you to grab them easily without knocking other tools off the wall.
- **Tool Security** Somewhat contradictory to “ease of access”, make sure your holders secure the tools even if something bangs into the wall panel. You don’t want to see anything go crashing onto a concrete floor. Add flip stops and ledges as needed. Fully corralling something as shown in the chisel rack example in the photos is always more secure than hanging it in an open fork.

Once you start using French cleats, you’ll start inventing ways to use them. There just isn’t an easier or more economical way to attach anything to a wall.

I radiused the corners and eased all the edges with a 1/4” round-over bit.

Now, on to making a similar panel for my other frequently needed hand tools. I started by ripping down a sheet of Baltic birch plywood to the panel size I thought would accommodate all the tools I want right by my bench.

Now all my squares, and my straight-edge are close at hand, but perfectly safe.

Safe and secure. Your tool panels hang securely, and come off the wall just as easily as they went up.

Now all my squares, and my straight-edge are close at hand, but perfectly safe.
I used the round-over bit on the router table to ease all the corners and edges of my tool holders echoing the rounded edges of the tool panel. I used a square piece of scrap MDF to back up the workpiece for end-grain routing.

I cut a series of dadoes in a scrap of 2x4, each dado a bit larger than the chisels in my set. Then I glued a thin strip to the front. Now I don’t have to worry about chisels rolling off the edge of my bench.

I took some time to play with the arrangement of the tools and tool holders on the panel. I made sure I could grab a tool without any fuss and without knocking anything else out of its place. Then I screwed everything in place.

Now my most used tools are right by my bench, right where I need them.
The Evolution of Carbide Insert Woodturning

Not just easier...better. Carbide insert woodturning has gone viral over the last few years. And, why not? The learning curve is much shorter than traditional tools and you don’t have to buy (and learn to use) expensive and complicated sharpening equipment. But, when the Woodpeckers team decided to develop a line of carbide insert woodturning tools, we didn’t just want them to be easier to use, we wanted them to actually deliver the same nearly flawless surface finish a professional turner can get with a perfectly sharpened traditional tool.

It all starts at the cutting edge. We started the project by interviewing dozens of carbide manufacturers, seeking out a partner that recognized the unique requirements of woodturning. The result of months of testing and trials is a unique nano-grain carbide matrix, polished to a mirror-finish on the cutting surface and precision ground on the bevel. They are the sharpest, longest lasting inserts on the market, and coincidentally, also made right here in Ohio.

Change from fast stock removal to fine finishing in the blink of an eye. After initial shaping with the tool flat, roll it right or left and you’ll feel it land on another bearing plane, 45° from horizontal. With the tool at this angle, the wood fibers slice cleanly, leaving a surface that needs little or no sanding. It’s a technique called shear scraping, that’s been around forever, but until now, it’s been one of those things that separates the masters from the rest of us. Ultra-Shear’s shaft geometry makes shear scraping a simple approach even beginners can use.

Three profiles in two sizes. The insert pocket for each of the profiles has been designed to fully support the insert when installed. It performs and feels like a one-piece tool when you’re turning. Use the square tool for roughing cuts and to create smooth outside curves. Use the round tool for inside curves -- like coves in spindle work or the inside of bowls. Create crisp detail lines and sharp transitions with the full-sharp detail tool. All three profiles are available in full-size (23-3/4”) and mid-size (15-1/2”) versions. You can buy each tool individually or save some money with a set of three.

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<table>
<thead>
<tr>
<th>FULL &amp; MID-SIZE TOOLS</th>
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<tbody>
<tr>
<td><strong>FSS</strong> Full-Size - Square</td>
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<td><strong>FSD</strong> Full-Size - Detail</td>
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<td><strong>MSK</strong> Mid-Size Set of Three</td>
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<tr>
<td><strong>USK</strong> Master Set of Nine Ultra-Shear Tools</td>
</tr>
</tbody>
</table>

See page 25 for Replacement Carbide Inserts
Detail creates crisp accent lines and sharp transitions.

Full-Size Tool
Overall length 23-3/4"

Mid-Size Tool
Overall length 15-1/2"

Round creates coves in spindle work and the inside of bowls.
Small Tools...Huge Results

It's not really fair to call these "Pen Tools". We learned after about a year on the market, that name just isn't fair. There's so much more to these tools than just pen turning. Sure, they're great for pen turning...even handling wood/acrylic hybrid material with ease. But, their nimble size and shape makes them great for delicate finials, lace bobbins, miniature goblets and a host of other small, intricate turnings.

Cut Cleaner. Sand Less. Pens and small projects are turned these days in a world full of exotic materials; acrylics, polymer clays, stabilized wood, and even mixtures of all the above. Shear scraping works, but the 45° angle that works for most solid wood is sometimes not the optimum angle for synthetics. Also, tiny diameter work often requires you to “tweak” the shear angle.

Ultra-Shear Pen Tools feature round sides allowing you to locate the optimum shear angle for whatever material, shape or dimension you're cutting. But, rather than being completely round, the bottom is machined flat, so roughing and shaping cuts are solidly supported.

Just like the larger tools, the Pen Tool shanks are machined from a high-strength alloy and go through a two-step heat treating process that makes them corrosion resistant, extremely rigid and silky smooth on your tool rest. The Rock Maple handles are comfortably balanced to the tool size. The Pen Tools have the same three profiles...square for outside curves, round for inside curves and a fully sharp detail tool.

Pen Tools excel at all small projects. Hybrid cast blanks cut with ease.

Center Finders locate center of stock by scribing across diagonals. Full Size locates center of 8" bowl blank. Pen Size works up to 3" diameter.

Pen-Size Tools offer excellent control when working on delicate projects.

PEN TOOLS

- PSS Pen-Size - Square ................................................................. $79.99
- PSD Pen-Size - Detail ............................................................... $79.99
- PSR Pen-Size - Round .............................................................. $79.99
- PSK Pen-Size Set of Three ...................................................... $219.99
- USK Master Set of Nine Ultra-Shear Tools ............................ $799.99

See page 25 for Replacement Carbide Inserts
**Carbide Insert Technology Applied to the Pen Mill**

Creating beautiful turned pens starts with carefully preparing the turning blank. Every pen blank needs to be trimmed perpendicular to and perfectly flush with both ends of the insert tube. The trimming process is fundamentally important to great results, but until now, the tools available to pen turners for that job have left a lot to be desired. Now, Woodpeckers is introducing the Ultra-Shear Pen Mill Ci, a pen mill that effortlessly cuts every material pen turners use. Using the same high quality square inserts we make for our Pen Tools, the Pen Mill Ci produces an incredibly clean surface and lasts through mountains of blanks. When the edge finally dulls, just turn it a quarter turn, and you’re right back to work.

**PEN MILL-Ci & PILOT REAMERS**

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<td>PMPR-07</td>
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<tr>
<td>PMPR-12</td>
<td>Ultra-Shear Pilot Reamer - 33/64&quot;</td>
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**Ultra-Shear Inserts**

Keep your Ultra-Shear tool delivering first-class results all the time by insisting on Ultra-Shear replacement inserts. We offer slightly radiused inserts for our square tools and a detail tool with a radius tip (compared to the standard which is full sharp). These are the sharpest, longest lasting inserts on the market.

**Insert Saver**

Keep your Ultra-Shear Inserts protected when they’re not on your tool. Handy case holds ten inserts. Transparent lid lets you take inventory without opening.

**CALIFORNIA RESIDENTS WARNING:** Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
Turning the Wall Street II Pen
By George Snyder

Gift giving seasons tend to sneak up on me. Everyone in my family expects hand-made gifts at every opportunity. Now, it’s late Spring, and by some twist of fate I have a rather large number of high school- and college-aged nieces, nephews and neighbors all graduating within a few weeks of each other. I need a bunch of nice gifts, and I need them now. My “go-to” gift for these situations – particularly when I need a bunch – is the Wall Street II pen kit (also called the “Sierra” depending on where you buy it). The Wall Street II is one of the easiest pens to turn. It only takes one half of a standard pen blank, and the finished pen writes nicely and has great balance. What’s more, with a wide variety of trim styles and finishes, unless you’re an experienced pen turner, you would never guess that they’re all the same inside.

Selecting the blanks I’m going to turn is almost as much fun as giving the finished pens away. I love picking through the racks of exotic woods and crazy acrylic pen blanks. This time I ended up with two completely different materials, coffee beans cast in acrylic and stabilized Amboyna burl (yes, the coffee bean pen blank does smell like coffee). Amboyna burl comes from the Island of Borneo. On its own, it’s really tough stuff. It’s prone to moving and cracking, which is why I picked stabilized blanks. They’re less prone to twisting and cracking, but also tougher to turn.

Step one is cutting the blanks to size. Standard “off-the-shelf” blanks are approximately 3/4” x 3/4” x 5”. I only need half of that for a Wall Street II. I used a Woodpeckers Edge Rule, setting the stop a little more than 1/8” past the 2-1/4” length of the kit’s brass tube. This gives me plenty of room to trim the ends down to the brass.

Personally, I hate cutting pen blanks on a table saw or miter saw. They’re just too darn small for me to feel comfortable working that close to the blade. I had my band saw all set up with a tiny little blade that takes forever to track, so I just decided to cut the pen blanks in a miter box with a hand saw.

Once cut to size, I located the center with an Ultra-Shear 2” Center Finder. This makes drilling the hole in the blank for the brass tube a bit easier. There’s a time and a place for cheap drill bits, but this isn’t it. These are tough materials and I want a straight, perfectly centered hole. That takes a sharp bit. I only use two types of bits for pen drilling, brad points and parabolic twist drills. Since I wasn’t sure how the coffee bean blank was going to machine, I opted for a brad point. The Wall Street II/Sierra takes a 27/64” bit.

I mounted the blanks in a drill press vise and carefully aligned the fence on my Woodpeckers Drill Press Table to the center of the blank in the vise. This makes for a stable and easily repeatable process. I drill at approximately 1000 rpm. It can vary by material. If I am drilling a large batch of acrylic blanks, I dip the drill bit in a cup of water mixed with a little dish washing soap to cool it down. Some folks will mist the blank as they
are drilling. Some turners suggest drilling nearly all the way through the blank, but stopping short and cutting the end off. This can eliminate the chance for blowout. I just take it easy as I get almost through.

Once the holes are drilled in all the blanks, I prepare the brass tubes to be glued into the pen blanks. To make sure the adhesive adheres to the tubes I rough them up with abrasive pads or sandpaper. I like to use two-part epoxy to glue the tubes. Some people like CA, some like expanding polyurethane…all three work, but I like epoxy because it is gap filling, doesn’t foam all over the place and is dry and ready to turn in 15 or 20 minutes (with the “5 minute” kind).

Now it’s time for one of the two technically challenging steps in the pen turning process. Squaring up the pen blank needs to be done carefully. The ends of the blank need to be trimmed right down to the brass insert tube without shortening the tube more than a few thousandths of an inch. Woodpeckers Ultra-Shear Pen Mill-Ci makes this job much easier. It uses the same nano-grain carbide inserts used on the Ultra-Shear pen turning tools. The super-sharp inserts cut all types of materials cleanly and last through mountains of pen blanks. Perhaps best of all, when the edges do finally dull, you can just loosen the screws, rotate the inserts and get right back to work. The trimming head is guided by the Pilot/Reamer. The tip of the Pilot/Reamer will cut away any glue residue inside the brass tube. Woodpeckers makes 12 sizes of Pilot/Reamer fitting almost every pen kit on the market today.

I mounted the Pen Mill-Ci in my drill press with the 27/64” Pilot/Reamer installed. Note that the size on the Pilot/Reamers refers to the drill bit size for the insert tube, not the actual size of the Pilot/Reamer itself. I set the drill press speed to 800 RPM and inserted the blanks into the drill press vise. Taking light cuts, I got a very clean surface, even on the brittle cast material. I fed the mill into the blank until I saw the brass end suddenly turn very bright and shiny. That’s the cue to stop cutting. Most pen kits are somewhat forgiving on length, but you can’t put it back on, so being cautious on this step has benefits.

Now to the fun part…it’s time to turn! With a hole bored through the middle of the pen blank, it’s not possible to use traditional drive centers. The solution is a pen mandrel and bushing set. The pen mandrel has a Morse taper fitting, just like a regular drive center, but instead of spurs that bite into the end of the wood, it has a shaft that extends toward the tailstock. Every pen kit specifies a “bushing set”. The bushings fit over the mandrel shaft and snugly into the insert tube of the pen blank. The outside diameter of the bushing is carefully made to be the correct diameter for the finished turning. This creates a “target” for the turner.

I start by fitting the mandrel into the headstock of my lathe. Then slide on one bushing, the blank and the second bushing. I snapped the bushings into the blank and snugged it all up with the thumb wheel. Next, I spotted the tailstock live center into the end of the mandrel shaft and tightened it up until it was just snug.

Ultra-Shear carbide insert turning tools really shine when turning highly figured wood, all types of plastics and the trendy hybrid blanks that are both wood and plastic. The tough nano-grain carbide material stands up well to abrasion. The highly polished face and finely ground bevel cut cleanly. Add in the ability to shear scrape for a great surface finish and you have a turning tool that never needs sharpening, but rivals traditional tools for quality of cut.

The Wall Street II, like most pen kits, looks best with very little in the way of what most people consider “turning”. Adding beads and coves makes the pen look awkward. It really looks best with nothing more than one simple, subtle bulge in the middle. I do this with just one turning tool. I use the Ultra-Shear Pen Size Square with a 2” radius cutter (20126) from beginning to end.

I start by adjusting the tool rest so the edge of the cutter is on the centerline of the lathe when I hold it level. I err to the side of having the tool rest a tiny bit too high, rather than too low…there’s no penalty for angling the tool down to the work, but angling it up can cause a catch. I turn the blank down to a cylinder by just working back and forth along the tool rest, nudging the tool forward a fraction of an inch on each pass.

Everything needed to get a pen tool turning project underway. Pen kit, pen blanks, center finder, Edge Rule, abrasive to rough up the brass tube and epoxy to glue the tube in the blank.

Woodpeckers Edge Rule with a stop is ideal for marking pen blanks to length. The stop makes sure every blank you’re doing is the same, and saves time, too.

With just a few blanks to cut, using a hand saw and miter box for the job can be as fast as setting up power tools.

Woodpeckers 2” Center Finder quickly locates center on square or round blanks. Mark from every corner if the blank is somewhat out of square.
Once it's round, I start swinging a gentle arc from the center of the blank toward the ends, creating the slight bulge. The final wall thickness is quite thin, so I have plenty of room to play with the shape while I'm working my way down. When I am almost there, I roll the tool onto its side to about 45° and start shear scraping. This cut takes much less material per pass, but leaves a very clean finish.

Acrylics and resins don't cut exactly the same as wood, so sometimes 45° isn't the perfect shear-scraping angle. The round shaft of the Pen Size Tools lets me "tweak" the angle either a little steeper or a little flatter until I find the "sweet spot" that cuts the material just right.

I keep taking lighter and lighter cuts as I get the shape the way I want it and the ends of the blank are close to the diameter of the bushings. This is that other “technically challenging” step I mentioned earlier. I want the finished turned barrel to exactly match the bushings. I used to stop well away from the bushings and rely on sanding to get to final dimension. Now that I'm gaining confidence in my tool control, I do a lot more turning and a lot less sanding.

With the blank just a tiny bit above the bushing, I'm ready to switch to sanding. I take the tool rest out so I don't risk getting pinched between it and the work. I work my way through a series of grits. I learned not to try and skip steps...it always shows up in the finished pen. I slow the lathe down to 1000 RPM or a little less and work with the lathe on for 30 seconds or so. I keep the abrasive moving. I've found it's easy to burn acrylics if I hold the abrasive too long in one spot. After I have what appears to be a uniform surface, I turn the lathe off and sand along the grain by hand a few strokes all the way around the blank. That cuts down on radial tracks showing up in the finish later. I repeat the process working through the grits up to 600.

Since I was working with resin-infused wood and cast acrylic, I didn't have to worry about applying a finish. After I went through the abrasive grits, I just kept on going with a series of wet-dry abrasive pads until the surface was highly polished.

The Wall Street II might be the easiest-to-assemble pen kit in the world. I don't even use a pen press for it (though you can if you feel more comfortable). I slip the clip/end cap into the finished turned barrel, get it lined up correctly and press it most of the way in. When I get almost to the point of no return, I align the clip so that it covers any surface flaws that might have eluded my earlier inspections, then press it home. I always look at the end of the refill before I put the spring on and put it into the transmission. There's a little protective cap on the end that can muck up everything if I don't take it off. I slide the refill and transmission assembly into the nib, slide the barrel assembly on and I'm done.

All my graduating seniors are delighted with their pens. Guess it's time to head to the store and see what sort of unique blank I can find for Father's Day.
Carefully mill down the pen blank until it is flush with the brass insert. You’ll see the brass get bright and shiny when you just kiss it.

Roll the tool to about 45° for the final few passes. In acrylics and polymers, experiment with the shear angle to get optimum results.

The Wall Street II doesn’t require a pen press for assembly. Download complete assembly instructions from your pen kit supplier.
Every woodworker has heard (or given) the same advice, “You can never have too many clamps.” But what are you supposed to do with all those clamps once you have them in your shop? You need them accessible, organized and condensed in as tight a space as possible. Here’s just the system you need to accomplish that, regardless of your clamp size, style or how many you have.

Woodpeckers new Clamp Rack-It System takes a modular approach to organizing your clamps. Two sizes of arms can be bolted to the backer plates at a wide variety of spacings. Just find the spacing that most closely matches your bar size, pick the arm size based on the clamp weight and put it all together.

The photo above shows 43 clamps stored on 3 pairs of large arms and 2 pairs of small arms on just 16 inches of wall space! The backer plates come in 4 sizes, 6”, 16”, 24” and 32”. They must be attached directly to studs, but we’ve made that easy. If you need more than one backer plate, they’re designed to share lag bolts and fit flush when you butt them end-to-end.

Woodpeckers new Clamp Rack-It System backer plates and arms are laser cut from 13-gauge steel, formed on CNC equipment and then given a tough, durable powder coat finish. To get you started we’ve bundled the 3 larger backer plates with 3 pairs of large arms and 2 pairs of small arms (just like the picture).
CLAMP RACK-IT™ SYSTEM

**SYSTEM COMPONENTS**

- **CRIS-B06** 6" Backer Plate ................................................................. $14.99
- **CRIS-B16** 16" Backer Plate .............................................................. $29.99
- **CRIS-B24** 24" Backer Plate .............................................................. $44.99
- **CRIS-B32** 32" Backer Plate .............................................................. $59.99
- **CRIS-SA** Small Arm Set ................................................................. $18.99
- **CRIS-LA** Large Arm Set ................................................................. $19.99

**STARTER PACKAGE BUNDLES**

- **CRIS-6A** 6" Backer Plate, 1 Large Arm Set, 1 Small Arm Set .......... $49.99
- **CRIS-6B** 6" Backer Plate, 2 Large Arm Sets ................................... $49.99
- **CRIS-6C** 6" Backer Plate, 2 Small Arm Sets ................................. $49.99
- **CRIS-16** 16" Backer Plate, 3 Large Arm Sets, 2 Small Arm Sets .... $124.99
- **CRIS-24** 24" Backer Plate, 3 Large Arm Sets, 2 Small Arm Sets . $139.99
- **CRIS-32** 32" Backer Plate, 3 Large Arm Sets, 2 Small Arm Sets .... $154.99

Backer Plates can be joined end-to-end. Joint must land on stud or be mounted to a solid wall surface.
The original Clamp Rack-It and the Clamp Rack-It System solve the problem of where to put your clamps when you’re not using them. A few guys here at Woodpeckers have large shops and frequently face the problem of getting a bunch of clamps to their workbench without making dozens of trips to the other side of the shop. Pondering that issue, one of the product developers asked, “What if we put a Clamp Rack-It System on wheels?” Clamp Rack-It Mobile was born.

With space for over a hundred clamps, Clamp Rack-It Mobile can put your clamps right where you need them, without cluttering up the bench you should be using for assembly. When you’re through, you can roll your whole clamp inventory out of the way.

If this is such a great idea, why make it a OneTIME Tool®? Well, we don’t know how great an idea it really is. We don’t know how many of our customers have shops where the assembly area is more than a step or two from the storage area. Unlike huge manufacturers, we can’t conduct extended field research or put together focus groups. So, we’re going to let you guys decide with your wallets. Clamp Rack-It Mobile launched as a OneTIME Tool®. If we only sell a few, we’ll make them and know we made a few customers very happy. If we sell a bunch, then we’ll evaluate whether that “bunch” justifies permanent product status or periodic release as a OneTIME Tool®.

If you missed it, we’re sorry. Don’t let it happen for the next great idea. Sign up for Woodpeckers E-CLUB mailing list and always know what we’re currently offering.
Clamping miter joints with bar clamps usually ends up as a frustrating tug-of-war...too much pressure on one clamp, causes the joint to slip, you get that fixed only to repeat the mistake on the opposing corner. There are specialized clamps for the job, but they limit the width of your stock.

Woodpeckers new Miter Clamping Tool directs the pressure straight across the miter joint, pulling the joint together. They work with any material width, from tiny cove molding to the largest picture frame stock.

If you’re working with stock from 1/2” to 1” thick, use the MCT-75 (3/4” thick). For thicker stock, choose the MCT-150 (1-1/2” thick). A pair of clamping tools lets you put together one corner at a time or get the 8-pack and assemble all four corners at once.
Clamping Squares Plus make assembly a simple process. Instead of struggling to keep corners lined up while trying to install fasteners, just locate a Clamping Square Plus on the corner, throw a clamp on both legs, align your panels and secure the clamps. Now you have both hands free to fasten your project. We sold thousands of our original Clamping Squares over the years, then in 2018, we redesigned it bigger and stronger than before. The new Clamping Square Plus is a full 3/4" thick, with legs 1-1/4" wide and 6-3/4" long.

While you can use any kind of clamp on the Clamping Square Plus, we’ve designed one just for the job. It’s convenient, fast and strong. The stainless steel L-bolts fit in any hole in the CSP and give you a gripping range of 1/8” to 2”. Since they’re made just for this job, there’s not a bunch of stuff sticking out in your way.

Get our new CSP Clamp Rack-It™ to keep your Clamping Squares Plus and CSP Clamps organized. It mounts to any wall and holds 4 Clamping Squares Plus and 8 CSP Clamps.

**CLAMPING SQUARE PLUS & CSP CLAMPS**

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Square & Secure Your Smaller Projects With Our Versatile Box Clamps

Woodpeckers Box Clamps hold your box and case good projects perfectly square while you check joinery, do layout work, or install fasteners. They’re better than an extra pair of hands in the shop, because extra hands can’t guarantee your stock is being held square! The clever low-profile wedge system forces the corner square, even if the two sides are of different thicknesses (up to 1/4” difference). The outside of the corner has no obstructions. That means box joints and dovetails with pins that overlap are no problem, neither are T-joints, and there’s nothing in your way if you are installing screws or other fasteners.

You get hardware to use the Box Clamps two different ways. You can rest it flat on a table (or even mount it) or change the clamping bolt, add a knob and use it as a hand-held clamp on the upper sections of your project. The change from one mode to the other takes just seconds.

**Just a Few of the Features of Woodpeckers Box Clamps:**
- Tough, fiberglass-reinforced polycarbonate construction
- Complete access to corner for fastener installation
- Accommodates dovetails and box joints that extend past corner
- Adjoining sides can vary in thickness by up to 1/4”
- Can be screwed to a benchtop for repeat production
- Works equally well hand-held

**BC4-M2 Box Clamps**
- BC4-M2X2 Box Clamps (2pk) .................................................. $39.99
- BD-0710.474 3/16” Ball Wrench ............................................. $6.99

**Buy More & Save!**
Buy 2 Box Clamp 2-Packs at $38.99 each
Buy 4 Box Clamp 2-Packs at $37.99 each
Buy 6 Box Clamp 2-Packs at $36.99 each

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**CALIFORNIA RESIDENTS WARNING**
Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
The hottest trend in interior design these days is live edge slab table tops. And, why not? The natural curves of the trunk give an organic feel. The crazy grain patterns in crotches and burls are eye-catching. Even cracks that would have sent lumber to the burn pile just a few years ago are being controlled and enhanced with butterfly patches and epoxy inlays. However, slabs present some challenges in the shop. Overall width and weird grain changes make the use of a jointer and thickness planer impractical if not impossible. If you just tear into it with a belt sander you will eventually end up with something that is somewhat smooth, but not even close to flat. And who wants a table that isn’t flat?

Woodpeckers Slab Flattening Mill (along with your router) lets you accurately and easily flatten oddly shaped and oversized slabs right in your own shop. Since you’re using a router instead of a planer-style cutterhead, tear-out is minimal...the surface will only need light sanding afterwards.

Using the Slab Flattening Mill is as easy as sliding your router across the slab and back, moving over a little less than the width of your cutter and repeating until you’re done.

Woodpeckers Slab Flattening Mill starts with two aluminum extrusions. The inverted “V” shape of the main rail sheds sawdust and provides a solid base for the mating extrusion, which fits over the inverted “V” and glides on UHMW polyethylene runners. You can mount the mill to any flat and level work surface in just a few minutes...even a sheet of MDF on a simple pair of sawhorses. When you’re done, the modular design stores conveniently.

The Basic Slab Flattening Mill accommodates slabs up to 38” x 57”.

While expanded capacity is great, you’ll also appreciate that the whole assembly can be condensed down to work on cutting board and end table sized projects without reaching across a vast stretch of unused space. Plus, if smaller slabs and cutting boards are your thing, we’ve added two new smaller Slab Flattening Mill options, 2’ x 2’ and 2’ x 4’. Both feature the exact same construction as the Basic and Extended Slab Flattening Mills with shorter rails designed to fit conveniently in smaller shops.
Smaller mill sizes are perfect for end-grain cutting boards, serving trays, and end-table-sized slab projects.

NEW! Optional Dust Collection
Shroud captures the majority of shavings from milling operation. Attaches to router carriage in seconds. Fits all Woodpeckers Slab Flattening Mills.

SLAB FLATTENING MILL

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>SLBFLT-2X2</td>
<td>2' x 2' Capacity</td>
<td>$499.99</td>
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<tr>
<td>SLBFLT-2X4</td>
<td>2' x 4' Capacity</td>
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<tr>
<td>SLBFLT</td>
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<tr>
<td>SLBFLTXL</td>
<td>Extended (38&quot; x 129&quot; or 62&quot; x 105&quot;)</td>
<td>$999.99</td>
</tr>
<tr>
<td>SLBFLT-EXT</td>
<td>Slab Flattening Mill Extension Kit</td>
<td>$249.99</td>
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<tr>
<td>SLBFLT-DCS</td>
<td>Slab Flattening Mill Dust Pickup</td>
<td>$99.99</td>
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<tr>
<td>SLBFLT-C04</td>
<td>Slab Clamping Dogs (4pk)</td>
<td>$14.99</td>
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</table>

 Plywood base and router not included.

Slide router back and forth across slab width to machine down to a perfectly flat surface.

Slab Clamping Dogs secure stock to base.
Fast Adjustment, Fine Tuning and Top-of-Table Bit Changing Are Just the Best Features... There’s More!

Take on the most challenging router table projects confidently with the PRL-V2 Precision Router Lift. Truly exceptional power-tool accessories save time while also increasing precision and enhancing safety. The PRL-V2 delivers on all fronts.

For starters, the PRL-V2 provides all of the industry-leading features built into our Cast Aluminum Router Plate: leveling screws accessible from the top of the plate, adjustable plungers to eliminate side play, multiple starting pin locations and quick-change Twist Lock Rings to provide close clearances around router bits with different diameters.

The PRL-V2 augments these basic router plate capabilities with a bulletproof lift mechanism and an impressive array of time saving, precision-enhancing features that are all accessible from the top of the plate. Precise bit-height adjustments are quick and easy, thanks to the thumb wheel micro-adjuster and an easy-reading scale we built into the top. Don’t worry, we designed the scale so it can be zeroed out at any bit height. When it’s time to change bits, the PRL-V2 won’t slow you down. Our patented quick-lift wrench allows you to bypass the micro-adjustment mechanism and elevate the router collet so you can use your wrenches above the table.

With its one-piece motor carriage and long linear bearings, the PRL-V2 is built to deliver years of trouble-free performance. Designed to improve precision, convenience and efficiency, this revolutionary router lift puts the most complex profiling and joinery operations right at your fingertips.

**UNIQUE FEATURES**

- Instant quick lift with spring-assisted wrench
- Micro-adjust with thumb wheel
- One-piece motor carriage for maximum rigidity
- Extra long sleeve bearings for effortless travel
- Includes three self-leveling twist lock rings and spanner wrench

**PRL-V2 PRECISION ROUTER LIFT**

PRL-V2 PRL-V2 Precision Router Lift............................................. $399.99

Different motor pads available for:
Porter-Cable 7518, 690, 890, Bosch 1617/1618, Dewalt 618, Milwaukee 5625-20, Craftsman 17542, 17540, 28190. Visit Woodpeck.com for more options.

(Above-the-table router bit changes with the PC 7518, 890 and Milwaukee 5625 are done with standard router wrenches. The PC 690 and Bosch 1617/1618 requires offset wrenches or a collet extension.)

Patents Pending: U.S. Patent #6,505,659; #6,948,892; #7,108,463; #7,559,347; #6,282,323; #7,481,253

NOTE: The Porter Cable, Dewalt, Craftsman and Milwaukee brand names are the registered trademarks of the respective companies and are not associated with Woodpeckers, LLC.
Cast Aluminum Router Plates

Literally and figuratively, there’s a lot riding on the router plate in any router table setup. That’s why we went overboard in designing our Cast Aluminum Router Plate. In fact, this “basic” router plate is one of our flagship products — it’s the full-featured, rock-solid working platform for our innovative, industry-leading router lifts. Check out these woodworker-friendly features:

Stiff, strong and smooth. Made from cast, precision-machined aluminum, our plate is the stiffest, strongest router plate money can buy. The anodized finish enhances durability and provides a smooth surface that workpieces can slide across easily. Our plate is 9-1/4” x 11-3/4” and a full 3/8” thick, and is designed for compatibility with all leading routers.

Easy, exact leveling. Getting this plate exactly level is easy, thanks to eight top-accessible, fine-pitch leveling set screws.

A firm fit, guaranteed. A pair of adjustable edge plungers enable you to eliminate any slop between the router plate and the plate opening.

Multiple starting pin locations. A threaded steel starting pin comes with every plate, and you can fix the pin in a variety of threaded openings to guide freehand shaping operations.

Twist lock rings. To support the workpiece close to the bit, we include three Twist Lock rings (with openings of 1”, 1-3/16” and 2-5/8”) and a locking wrench with each router plate. Sets of eight Twist Lock Rings are available to provide you with even more opening choices.

If you want to make your own router tabletop, we’ve got what you need. With our Insert Template and a bearing-guided 5/8” template bit, you’ll be able to rout a perfectly sized stepped opening for our Router Plate and Router Lifts.

8-Piece Twist Lock Ring Set

For safe and precise work on the router table, it’s important to support the workpiece close to the bit. That’s what our Twist Lock Ring Set is designed to do. These strong, durable circular inserts lock securely in our Precision Router Lifts and our Cast Aluminum Router Plate. Because router bits come in all sizes and shapes, this eight-piece set ensures that you’ll get optimum clearances no matter what “rout” you’re taking.

Each set includes a solid insert plus one each with opening diameters of 3/4”, 7/8”, 1-3/8”, 1-5/8”, 1-7/8”, 2-1/8” and 2-3/8”. A custom-made holder is included.

Router MDF Insert Plate Template

If you want to make your own router tabletop, we’ve got what you need. With our Insert Template and a bearing-guided 5/8” template bit, you’ll be able to rout a perfectly sized stepped opening for our Router Plate and Router Lifts.

8-Piece Twist Lock Ring Set

For safe and precise work on the router table, it’s important to support the workpiece close to the bit. That’s what our Twist Lock Ring Set is designed to do. These strong, durable circular inserts lock securely in our Precision Router Lifts and our Cast Aluminum Router Plate. Because router bits come in all sizes and shapes, this eight-piece set ensures that you’ll get optimum clearances no matter what “rout” you’re taking.

Each set includes a solid insert plus one each with opening diameters of 3/4”, 7/8”, 1-3/8”, 1-5/8”, 1-7/8”, 2-1/8” and 2-3/8”. A custom-made holder is included.

**TLRSET-ML 8-Pc Twist Lock Ring Set in Storage Rack** $44.99
### Precision & Accuracy You Can See & Feel Even Before You Switch On Your Router

Whether you’re using it on a Woodpeckers Router Table, a different brand of commercial table, or one you build yourself, there’s no finer router table fence on the market than Woodpeckers Super Fence. The base plate and vertical faces are made from our exclusive Super Track. This versatile 7-track extrusion is carefully made to be very flat and very straight. The fixtures that attach the vertical fence surfaces to the base are machined in our facility to exacting tolerances and designed with accuracy as the primary mission. You’ll feel it as you assemble the components for the first time. Everything fits and feels just right, every step of the way.

Many advanced techniques on the router table require offsetting the fences. For these operations, the offset module glides on polished rods, keeping the offset fence precisely parallel to the opposing fence when you lock it down. The offset module can be attached to either infeed or outfeed side.

### SUPER FENCE

- **SF-36SINGLE** 36” Super Fence, Single Offset $239.99
- **STFSTOP** Super Track Flip Stop $39.99

**UNIQUE FEATURES YOU’LL FIND ON THE SUPER FENCE**

- Dust collection port adapts to any 2-1/4” or 2-1/2” hose
- Sacrificial MDF sub-fences included
- Track to position featherboards over sub-fences included
- Adjustable crystal-clear bit guard included
- Optional Micro Adjust module (see pg 41)
- Optional Flip Stops work with main fence or sub-fence.
- Optional Variable-Pressure Featherboards (see pg 42)

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Optional Super Track Flip Stops align with either the main fence or auxiliary fence just by reversing the track block.

Offset Module keeps fence perfectly parallel while offsetting up to 1/4”. Can be attached to either infeed or outfeed side.
Woodpeckers Micro Adjust enables precise fine-tuning of your router fence’s position. With each revolution of the knurled knob the fence moves 1/32”.

The Micro Adjust typically attaches to the back center of the fence and to the two embedded tracks found in Woodpeckers router tables. The entire Micro Adjust assembly moves along with the fence for coarse positioning. Lock the Micro Adjust and then fine tune the fence position with precision. Includes Micro Adjust unit, mounting track and hardware.

Micro Adjust moves the entire fence assembly forward or backward by 1/32nd inch per revolution of the knob.

**MICRO ADJUST**

MicADJ  Micro Adjust ............................................................... $109.99

**DOWNDRAFT DUST CABINET**

Protect Yourself & Your Router

Enhance your work environment and add years to your router’s life with Woodpeckers new Downdraft Dust Cabinet. Porting the dust out the back of the fence gets a good portion of the chips off most routing operations, but the dust that does go down works its way into the motor windings and spindle bearings of your router. The Downdraft Dust Cabinet completely encloses your router and has a 4” port out the rear. It captures almost everything not caught up top and keeps your router clean and cool. The Downdraft Dust Cabinet is sized and shaped to fit even the largest routers on the market. This heavy-duty enclosure features a large door with a magnetic latch for complete (and easy) access to your router. You don’t have to buy a blast gate to isolate the cabinet from your dust collector...there’s one built right in. The powder-coat finish will stand up to years of rugged use. Mounting the Downdraft Dust Cabinet to a Woodpeckers Router Table doesn’t require any drilling at all, and mounting it to any other router table requires just a few simple screw holes.

**DOWNDRAFT DUST CABINET**

DWDNDRFT-19 Downdraft Dust Cabinet ......................... $139.99
Woodpeckers Coping Sled handles the most challenging coping cuts with ultimate precision and safety. We’ve built this rock-solid sled using the best materials available and a true “belt and suspenders” approach, eliminating the problems we found in lesser sleds.

The design starts with a rigid 3/8” phenolic base that slides smoothly on the table surface. On top of this foundation, the workpiece is effectively trapped between a fixed fence and a slotted top plate that adjusts to handle stock up to 5-1/2” wide. Maximum workpiece thickness is 1-1/2”. To lock the stock down, a rigid clamp beam with two hold-downs slides into place directly over the workpiece.

Unlike coping sleds that ride in the miter slot, Woodpeckers Coping Sled uses a guide that rides against the router fence. This allows you to concentrate your feed pressure where it counts the most - toward the bit and fence. The clear fence guide provides a good view of the cut and doubles as a chip deflector and bit guard. If you need more depth of cut, the optional 15” Guide gives you a longer guide and up to 3 inches of depth.

Woodpeckers Coping Sled has no sacrificial parts. Just use a piece of scrap as a backer board to prevent tear-out. Woodpeckers Coping Sled sets you up for success with any end grain cutting challenge — with simple, solid adjustments and safe, accurate performance that no other coping sled can match.

Coping Sled
- COpESLED1 Coping Sled ................................................................. $149.99

Keep Your Stock in Position With Something Other Than Your Hands

Whether you use a featherboard on the router table, band saw or table saw, the goal is always the same; enhance precision and safety by keeping the workpiece in contact with the fence and table. But, getting a featherboard’s clamping pressure just right has always been a trial-and-error process, until now. Woodpeckers Variable-Pressure Featherboards eliminate this fuss and frustration. Now you can lock the featherboard in place on the fence or table, then slide a tensioning plate up or down to fine-tune the finger pressure. A single thumbscrew locks in the tension setting.

Sold in pairs, our Variable-Pressure Featherboards are designed to attach to any 1/4” T-track. Buy our optional Miter Slot Nut hardware package to attach featherboards to a standard 3/4” x 3/8” T-miter channel.

Variable-Pressure Featherboard
- VPFB Variable Pressure Featherboards (2pk) .............................................. $39.99
- MSN-4PC Miter Slot Nuts & Hardware (4pk) .......................................... $21.99
Phenolic Router Table Tops

Woodpeckers isn’t the first company to offer phenolic router tables, but we can say with confidence that ours are the best. Phenolic sheet stock can vary greatly. We tested samples extensively before finding a grade that met our requirements for strength, durability, flatness and uniformity. But, our quality control didn’t end there. We machine all our phenolic router tables on our own state-of-the-art CNC equipment. In-house manufacturing allows us to offer the best quality and also the best value.

If you want an exceptional level of durability that includes resistance to moisture, chemicals, impact, abrasion and temperature variation, you won’t find a better option than a Woodpeckers Phenolic Router Table Top. Both table sizes feature a 9-1/4” x 11-3/4” router plate opening, fence-mounting tracks, and a combination miter channel/T-track. All features perfectly match our other router accessories, Super Fence, router plates and router lifts. Plus, we pre-drill the underside of each table for effortless mounting to our router stands.

If you want an exceptional level of durability that includes resistance to moisture, chemicals, impact, abrasion and temperature variation, you won’t find a better option than a Woodpeckers Phenolic Router Table Top. Both table sizes feature a 9-1/4” x 11-3/4” router plate opening, fence-mounting tracks, and a combination miter channel/T-track. All features perfectly match our other router accessories, Super Fence, router plates and router lifts. Plus, we pre-drill the underside of each table for effortless mounting to our router stands.

MDF Router Table Tops

It takes careful attention to ensure an MDF router table delivers premium performance, and here’s the result. Instead of gluing two layers of MDF together like you would in your shop, we chemically weld our two-layer MDF core in a 50-ton press to ensure flatness and strength. The micro-dot laminate bonded to the MDF core features a low-friction surface that outperforms standard plastic laminate, and to maximize dimensional stability, it’s bonded to both table faces. (Lesser tables have a cheaper laminate on the underside of the table.)

The aluminum extrusions we use for the combination miter/T-track and fence-mounting tracks are bolted in place from the underside of the table, so it’s never going to let you down by loosening or lifting. The durable PVC edging helps to protect against moisture and dinged edges. Like our phenolic tables, both sizes of our MDF Router Table Tops are fully compatible with all our router accessories and stands.

Router Table Stands

Woodpeckers Router Table Stands adjust from 36” to 42”, allowing you to set up your router table at just the right height for you. The 20” x 27” leg set fits our 24” x 32” router tables and the 20” x 37” leg set fits our 27” x 43” tables. Both router stands and table tops are machined on CNC equipment, ensuring perfect fastener alignment. The legs and stretchers are pre-drilled for the wheel kit...whether you get it now or later. The stands are built from 14-gauge steel right here in the USA. The powder coated finish will stand up to years of heavy use. Includes leveling feet, hardware and complete instructions.

Wheel Kit provides full mobility for your router table. Once the pivot wheel is raised, the table is rock solid.

RT2432P 24” x 32” MDF/Micro Dot Router Table Top ............ $169.99
RT2743C 27” x 43” MDF/Micro Dot Router Table Top ............ $219.99

RTS2027-BLK Adjustable Router Table Stand 20” x 27” ........ $189.99
RTS2037-BLK Adjustable Router Table Stand 20” x 37” ........ $209.99
WHEELKIT-BLK Wheel Kit .................................................. $54.99
We make some really great router table equipment. In fact, we make so much of it, it’s pretty easy to get confused and a little lost. To help you out with that, we’ve put together five Router Table Packages. While there are still other accessories you might want to add, these packages put a world-class router table in your shop. Here’s a chart that shows you which components are included with each package.

Once you decide which Package you want, the next step is to determine what router you’re going to install. We have versions of the PRL-V2 Lift and the Router Plate that will fit most popular routers on the market…you’ll just need to know which one you have before you go online or call Customer Service.

**Here are the highlights of each component of the package:**

**A. MDF Tables (pg 43)**
- Micro-dot laminate reduces friction and stays clean
- Laminated under pressure for stability
- Same laminate on both sides for long-term balance

**B. Phenolic Tables (pg 43)**
- Impervious to moisture, chemicals, impact or abrasion
- Unmatched for flatness, strength and durability
- Surface under leveling screws will not wear

**C. Cast Aluminum Router Plate (pg 39)**
- Twist lock rings to accommodate different bit diameters
- Models drilled for many popular routers or un-drilled
- Adjustable tension side plungers (also on PRL-V2)

**D. PRL-V2 (pg 38)**
- Rapid adjustment for bit changes and coarse positioning
- Above-the-table, thumbwheel fine adjustment of router bit
- Twist lock rings to accommodate different bit diameters
- Leveling screws accessed from above the table
- Indexable height indicator built into top of router lift

**E. Super Fence (pg 40)**
- Dust port compatible with both 2-1/4” and 2-1/2” vacuum hose
- Offset module keeps outfeed and infeed fences parallel
- Sacrificial sub-fences included and easily replaced

**F. Adjustable Router Stand (pg 43)**
- Height adjusts from 36” to 42” for operator comfort
- Pre-drilled for easy attachment to Woodpeckers Router Tables
- Powder-coat finish stands up to heavy shop use

**G. Wheel Kit (pg 43)**
- Step on pedal to lower swivel wheel and move table
- Kick pedal up to drop table back onto leveling feet
- Can be added to any Woodpeckers Router Table anytime
WHAT ELSE DO I WANT?

- **Coping Sled** If you’re going to do raised panel doors. (pg 42)
- **Featherboards** Hold stock against the fence and down to the table. (pg 42 & above photo)
- **Micro Adjust** Simplifies fine adjustment of the fence position. (pg 41 & above photo)
- **Downdraft Dust Cabinet** Collects dust and debris from under the table. (pg 41)
- **Twist Lock Ring Set** Closely match opening to router bit size. (pg 39)
- **Router Motors** Check our website for top quality routers.

CALIFORNIA RESIDENTS WARNING: Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
One hard and fast rule we’ve learned from our customers is that no matter how much room you have for your shop, it’s not enough. If you’ve been dreaming of having a Woodpeckers Router Table, but just can’t figure out where you would put it, we’ve got the answer for you. Replace the wasted real estate taken up by your table saw’s extension table with our new Extension Wing Router Table.

We offer two sizes of the Extension Wing Router Table; 27” x 23” and 27” x 45”. Either size will fit on either side of any 27” deep table saw. That would include all SawStop models (except the Industrial), most PowerMatic 10” models, most Delta/Rockwell Contractors Saws, most Unisaws, most Craftsman table saws and many more. Simply measure your table saw’s cast table from front to back. If it is 27” (and it probably is), the Extension Wing Router Table will fit.

The package includes heavy-duty legs with adjustable feet to ensure your extension is stable and level with the main saw table. The 45” extension is available either with or without a combination miter channel and T-track. The choice gets down to how you’ll use your router table. The track model has the router placed closer to the edge, just like our free-standing router tables. The track-less model has the router plate more central, giving you more support when working large panels.

There are two ways to order your Extension Wing Router Table, as a basic router table, or as a complete package. The Packages include all our top-of-the-line router table enhancements...the PRL-V2 Router Lift, Super Fence, Micro Adjust and the new Downdraft Dust Cabinet.

As with our free-standing router tables, you’ll need to know the motor diameter of your router to get the right model. Once you know that, these comprehensive packages take the decision making out of your life. You’re getting a fully loaded router table capable of the most demanding joinery and molding work.
EXTENSION WING ROUTER TABLE

TSREW-23 Extension Wing Router Table 23" .................................................. $429.99
TSREW-45 Extension Wing Router Table 45" .................................................. $549.99
TSREWNOCT-45 Extension Wing Router Table 45" (No Combo Track) .................. $529.99

PACKAGES INCLUDE:
- Extension Wing Router Table
- PRL-V2 Precision Router Lift See pg 38
- Super Fence See pg 40
- Micro Adjust See pg 41
- Downdraft Dust Cabinet See pg 41

EXTENSION WING ROUTER TABLE PACKAGES

PACKAGE EWRT 23"

Extension Wing Router Table 23" Package
TSPRP-23 Extension Wing Router Table 23" Package .................................................. $1,289.95

PACKAGE EWRT 45"

TSREW-45 Extension Wing Router Table 45" Package .................................................. $1,439.95
TSREWNOCT-45 Extension Wing Router Table 45" (No Combo Track) Package ........... $1,419.95

CALIFORNIA RESIDENTS WARNING: Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
When you add a 16" x 23" work surface, hold downs, a calibrated fence, and flip stops to your ordinary drill press, you turn it into a true woodworking machine. These features combine in our Drill Press Table Packages to improve the accuracy and efficiency of all your drilling work.

It all starts with the unique Micro-Dot laminate surface bonded to both sides of a stable MDF core. The Micro-Dot surface makes stock slide effortlessly.

We embed two sections of our Dual-Purpose T-Track to create the attachment point for the fence. The tracks are anodized for wear resistance and laser engraved with measurement scales. The tracks bolt to the table from below, eliminating any chance of pull-out.

The fence is the same Dual-Purpose T-Track with a bracket that slides in the embedded tracks. Not only does the fence give you a guide for repeat positioning from the edge your stock, it carries the stops which provide accurate repeat position laterally, too. The 36" long fence is engraved with zero in the middle. Just tweak that into position directly behind the drill bit and you can instantly drill a hole in the center of anything or do mirror image layouts on the fly.

Your Drill Press Table also includes one tear-out-eliminating filler block. Underneath the filler are leveling screws to adjust the block flush with the table. When it’s too full of holes to do its job, it’s easy to replace with any 1/2" material, or we offer them pre-cut.

Hold downs are either our original Pivot Clamp or the versatile Knuckle Clamp. Either style slides into any of the slots on the fence or fence tracks. We also have two stop options; molded stops and our new, heavy-duty stainless-steel flip stops.

As you can tell, this all comes together as a versatile system that puts your stock where you want it and makes sure it stays there through the drilling operation. We’ve put together three package options for a variety of shop needs and budgets.

Drill Press Package 3 includes (6) stainless-steel flip stops and (2) Knuckle Clamps. Drill Press Package 2 has (2) molded flip stops and (2) Knuckle Clamps. Drill Press Package 1 includes (2) molded flip stops and (2) Pivot Clamps.

Designed for 12” and larger drill presses.
**DRILL PRESS TABLE PACKAGES**

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<th>Description</th>
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<td>Complete Drill Press Table PACKAGE 2</td>
<td>$164.99</td>
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<td>Complete Drill Press Table PACKAGE 3</td>
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<td>DPTRACKIT</td>
<td>Drill Press Table Track Kit (Track, Fence and Hardware to build your own)</td>
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<td>13-MLFSTOP</td>
<td>Molded Flip Stop (ea)</td>
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<td>SSTOP</td>
<td>Stainless Steel Arm Flip Stop (ea)</td>
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<td>DPFILLER</td>
<td>Replacement Fillers (1/2&quot; x 4&quot; x 4&quot; MDF) (3pk)</td>
<td>$4.99</td>
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</tbody>
</table>

**WARNING:** Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
Extra Support for Vertical Work

DRILL PRESS FENCE

**DP3FENCE**  DP3 Drill Press Fence......................................................... $87.99

While the standard low-profile fence on the Drill Press Table is just what you want most of the time, when you’re drilling in the edge of wider boards, a taller fence is just the ticket and swapping from one fence to the other takes just seconds. Woodpeckers DP3 Fence gives you a full 3 inches of height for solid support and plenty of room to clamp your stock. The fence face and the bottom are machined on our CNC mills to be precisely square with each other, then a slight recess is cut in the center of the base to reduce friction and compensate for chips and dust. The clamping knobs are extended, giving you easy access. You’ll appreciate the mass of this fence when doing heavy mortise drilling...the 3” wide base and 3” tall face are 3/8” thick and the fence is 23-1/2” long. Our familiar anodized finish reduces friction and protects your work from aluminum staining.

---

Hold Down Clamp

**HDCG-PIV**  Hold Down Clamp Pivot Style (ea) ...... $11.99

Clamp work anywhere along a T-track — quickly, easily and securely. The rubber-tipped ends allow you to increase clamping pressure without marring the work. The pivot slug design ensures that the clamp bolt always sits perpendicular to the work surface.

---

Knuckle Clamp

**KNCLAMP**  Knuckle Clamp (ea) ............................... $17.99

Knuckle Clamps owe their distinctive name to the seven circular pivot positions for the clamping knob. The multiple lock-in points maximize your clamping capabilities, enabling you to deal with different workpiece thicknesses and odd shapes.

The flat, pivoting feet are padded, allowing you to apply even, targeted pressure without marring your stock. Molded from reinforced polycarbonate, Knuckle Clamps are virtually indestructible.

---

Stainless Steel Flip Stop

**SSTOP**  Stainless Steel Arm Flip Stop (ea) .......... $12.99

Stainless Steel Flip Stops are the perfect choice for your Woodpeckers Drill Press Table fence. The flip arm is laser cut from 13 gauge stainless steel and can be positioned on either side of the machined aluminum body. Effortless arm motion combined with no measurable slop makes this a top notch flip stop!
Perfect Shelf Pin Holes From Your Drill or Router

Cabinet-grade plywood is expensive. That’s why you don’t want to take any chances when it’s time to drill shelf pin holes for bookcases and cabinets.

Woodpeckers Combo Shelf Pin Template packs all the options you’ll ever need into a single super-accurate template. With ours, you can make 5mm holes spaced 32mm on center, or 1/4" holes spaced on 1" centers. Do you want to drill holes with a self-centering drill bit or rout them using a 3/8" template bushing in a plunge router? Either way, we’ve got you covered.

With our Shelf Pin Template, you get a choice of 3 different offsets when drilling holes on 1" centers (1-1/2", 2", 2-1/2") and a standard 37mm offset for the 32mm hole spacing. The six reference pins that come with the Template make it quick and easy to maintain perfect hole alignment.

With all this versatility, we had to make sure the jig itself would stand up to heavy use. That’s why it’s made from dense, durable phenolic board that’s a full 3/8” thick. Treat that pricey plywood right the next time you need to drill (or rout) shelf pin holes, and give Woodpeckers Combo Shelf Pin Template a try.

COMBO SHELF PIN TEMPLATE

<table>
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<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
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<td>SPT-COMBO</td>
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<tr>
<td>SPBIT5MM</td>
<td>5mm Shelf Pin Drill</td>
<td>$27.99</td>
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</table>
Multi-Knobs

How do you always have the right knobs when you’re building jigs and fixtures in your shop? Some need to be a stud (of unknown length) and others need to be a nut. Woodpeckers Multi-Knobs come to the rescue. These heavy-duty polycarbonate knobs will receive either a nut or the head of a hex head bolt into the tapered socket. Once the fastener is pressed into the taper, it’s just as strong (or stronger) than a molded knob.

Woodpeckers Multi-Knobs come sized to accept standard hex-head nuts and bolts in three common sizes: 1/4", 5/16" and 3/8". We make our knobs beefier than others on the market, with a full 1/4" of reinforced plastic beneath the hex-shaped recess. Our heavy-duty Multi-Knobs are also designed for good “feel,” with working surfaces that are contoured and textured for a secure, comfortable grip. Stock up on these versatile knobs so that you won’t come up short when making your next jig. You supply the nuts, bolts and jig-making ingenuity; we supply the Multi-Knobs to bring your jig designs to life.

Woodpeckers Multi-Knobs

<table>
<thead>
<tr>
<th>Style Code</th>
<th>Description</th>
<th>Quantity</th>
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<tr>
<td>MKNBSUPER</td>
<td>Multi-Knob Super-pack</td>
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<td>$54.99</td>
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</table>

Mini-T Knobs save space in tight projects. 1/4" only.

Oval Nuts

Oval Nuts open up a host of design options when building jigs and fixtures with T-track. They’re 7/16" wide...just like a normal 1/4"-20 hex nut, but their long, smooth profile slides in tracks smoother than a hex nut. For lighter-duty applications, we have the same 7/16" wide nut, but with a 10-32 thread.

<table>
<thead>
<tr>
<th>Style Code</th>
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<td>ON1032-10</td>
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Oval nuts glide smoothly through the channels in our various extruded tracks.
Super Track

With seven T-tracks distributed around all four sides, Super Track will supercharge your jig and fixture-making capabilities. The Super Tracks will hold any 1/4” hex-head or 7/16” oval-nut fastener, and the same fasteners secure the Super Track to its base. Super Track can be used vertically as well as horizontally, and its 3/4” nominal thickness simplifies the process of inserting the extrusion for a flush fit. Available in custom lengths; see details below. Measures 45/64”-tall x 3-55/64”-wide.

SPT-6 6” Super Track ...............................................................$14.99
SPT-12 12” Super Track ..........................................................$21.99
SPT-24 24” Super Track ..........................................................$32.99
SPT-36 36” Super Track ..........................................................$44.99
SPT-48 48” Super Track ..........................................................$54.99
SPT-60 60” Super Track ..........................................................$65.99

Combo Track

Combining a T-profile miter channel with T-Track, our Combo Track is a must-have feature on any great router table. Combo Track bolts in place from underneath the table, so you’ll never have to worry about it working loose. If you want the capability to mount featherboards and run coping sleds or a miter gauge, this is the all-purpose track to buy. Available in 32” and 48” lengths. Buy our optional Miter Slot Nut hardware package to attach featherboards to the Combo Tracks 3/4” x 3/8” miter channel. Measures 1/2”-tall x 2-3/4”-wide.

CT32 32” Combo Track ..........................................................$19.99
CT48 48” Combo Track ..........................................................$26.99
MSN-4PC Miter Slot Nuts & Hardware (4pk) .........................$21.99

Dual-Purpose Track

Woodpeckers Dual-Purpose Track is configured with two slots on one side and one on the other. All three slots are directly compatible with any 1/4” hex-head bolt or nut. This configuration allows for installation with bolts, virtually eliminating the possibility of pull-out. A variety of very useful clamping fixtures can be built by embedding Dual-Purpose Track into a horizontal surface. Measures 1/2”-tall x 1-3/4”-wide.

DPTRACK24 24” Dual-Purpose Track .........................................$18.99
DPTRACK36 36” Dual-Purpose Track .........................................$24.99
DPTRACK48 48” Dual-Purpose Track .........................................$29.99

1/4” T-Track

Get set for making a wide variety of jigs with Woodpeckers 1/4” T-Track. Available in 24”, 36” and 48” lengths, our 1/4” T-Track provides you with plenty of jig-making possibilities. This track’s inside profile will hold standard 1/4-20 hex-head bolts and similar profile hardware. Once anchored to a jig base with construction adhesive or screws (mounting holes are provided on 4” centers), this versatile track can anchor hold-down clamps, stop blocks and even other aluminum track. The outside profile is slightly wider at the top to facilitate easier mounting in dadoes that don’t have perfectly square inside corners. You’ll want to stock up on this affordable extrusion — it’s very handy if you like to make jigs and fixtures. Measures 1/2”-tall x 3/4”-wide.

T24 24”- 1/4” T-Track .............................................................$9.99
T36 36”- 1/4” T-Track .............................................................$14.99
T48 48”- 1/4” T-Track .............................................................$18.99
Knock Out Knock-Down Designs with the Universal Cross Dowel Jig

Design and build quality furniture that assembles in minutes. Woodpeckers new Universal Cross Dowel Jig does most of the work for you! A “cross dowel” is a handy piece of hardware with standard threads cut across a standard dimension steel dowel. Drill two intersecting holes in one piece of stock and a matching hole in its mating piece and you have a joint with mechanical strength equal to or greater than the most complicated traditional joinery. But, unlike traditional joinery, cross dowel joints can come apart and go back together over and over without losing strength.

The trick in cross dowel joinery is getting the hole for the cross dowel exactly centered with the bolt hole. That’s where Woodpeckers Universal Cross Dowel Jig comes in. By wrapping around your workpiece, you have stainless steel guide bushings on the end and the side at the same time, and they’re on exactly the same centerline. The end guide bushing directs your drill bit perfectly straight for the bolt hole and the side guide bushing does the same for the cross dowel insertion hole.

The Deluxe Kit comes with guide bushings for #10 (3/16”), 1/4”, 5/16” and 3/8” bolts and the matching cross dowels. The Basic Kit only includes guide bushings for #10 and 1/4” bolts and matching cross dowels. We sell the remaining bushings separately if you choose to upgrade your system later.

UNIVERSAL CROSS DOWEL JIG

UCDJ14  Universal Cross Dowel Jig - Basic Kit in Woodpeckers Case..................$109.99
UCDJ  Universal Cross Dowel Jig - Deluxe Kit in Woodpeckers Case ......................$179.99

Drill guides lock into calibrated frame. Easily position both holes. Scales in both inch and metric calibrations.
Plain or Fancy...We have the Cross Dowels You Want

Your K-D project design deserves the best hardware. We stock cross dowels with 10-24, 1/4"-20, 5/16"-18 and 3/8"-16 threaded holes. Our steel cross dowels are perfect for blind applications or shop projects like workbench legs. If you want to highlight your project with a little flash, we manufacture stainless steel cross dowels with domed ends.

Keep your joinery low profile with our flat-fitting connector bolts in black oxide, nickel or bronze finishes.

### STEEL CROSS DOWELS

<table>
<thead>
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### CONNECTOR BOLTS

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#### BRONZE

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### DOMED STAINLESS STEEL CROSS DOWELS

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</table>

**DON’T FORGET THE BITS!**
Check out Woodpeck.com for a full line of Fisch Brad Point Bits to complete your project.

[Typical cross dowel joint with Woodpeckers domed stainless steel cross dowels.]

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**CALIFORNIA RESIDENTS**

*WARNING: Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.*
The Parallel Guide System starts with Woodpeckers Dual Purpose Track. The track connects to your saw’s guide rail with a precision-machined bracket that locks in square and secure. With two tracks locked to your guide rail, all you have to do is set the zero side-play flip stops to the same dimension, position the stops on the edge of your work and make your cut. Repeat as often as needed...every piece will be exactly the same.

The Parallel Guide System shines when working on large cabinet or furniture panels, but what about smaller pieces? We’ve got that under control, too. Add the Narrow Stock Guides, use the scale on the edge instead of the top, and now you can rip stock from 10-1/2” down to just fractions of an inch. This feature is really great when you’re on a job site without a table saw and need to make some frame stock immediately, or if your shop space is so limited a table saw is out of the question.

The T-tracks come in sections. Use all of them or just the ones you need. Fully assembled, you can rip up to 52” – well beyond the center of a sheet of plywood. But, when working normal cabinet components, you’ll only need a couple sections assembled, while the rest is tucked securely in its Systainer. The ends are precisely cut to ensure the connected sections are perfectly straight and the scale calibrations are accurate.

**POWER TOOL ACCESSORIES**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<td>PGS-ITRK-19</td>
<td>Parallel Guide System Track Set (8pc)</td>
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<td>PGS-MTRK-19</td>
<td>Parallel Guide System Track Set (8pc) Metric</td>
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<tr>
<td>PGS-STOPS-19</td>
<td>Parallel Guide System Flip Stops (2pk)</td>
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<tr>
<td>PGS-CONN-19</td>
<td>Parallel Guide System Track Connectors (6pc)</td>
<td>$54.99</td>
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</tbody>
</table>

**Parallel Guide System**

Narrow Stock Guides attach for cuts from 10-1/2” down to just fractions of an inch.

Add an extra pair of stops for repetitive cutting at two different dimensions.
Get the Right Angle on Track Saw Cross Cuts

Setting up the Adjustable Track Square couldn’t be easier. Just slide your guide rail over the right guide bar and snap the cam buckle. It’s that fast and that simple. To make a cut, bring the front edge of the Adjustable Track Square firmly against the edge of your stock and slide it along to match your cut point. Your guide rail is now perfectly square to your stock…unless you want it at an angle.

Need something other than square? Just unlock the protractor clamp, pull back on the catch and rotate the protractor to your desired angle. There are detents every 5° and at 22-1/2°. For any angle between the detents, the scale is laser engraved in crisp one-degree increments. The scale is calibrated at the factory and can be easily re-calibrated anytime and anywhere.

Under the Adjustable Track Square, we’ve made sure your guide rail clamp (Festool, Bessey or Makita) fits perfectly, right under the reference edge. When you’re making square cuts, the clamp is even captured, so it will stay right where you want it when you move on to the next cut.

Once the Adjustable Track Square and guide rail are positioned and clamped down, dead accurate cuts are as simple as pulling the trigger and sliding the saw. For quicker cutting, where absolute precision isn’t necessary, you can skip the clamps and just hold the Adjustable Track Square in place while you make the cut.

The main frame is machined from the same incredibly stable cast and ground aluminum plate we use in our famous precision woodworking squares. The stainless-steel protractor base rotates on a bronze bushing and glides on low-friction wear-resistant pads. Even the cam buckle is stainless steel. In short, whether you use the Adjustable Track Square every day, all day or just on the weekends it’s designed to keep producing perfect accuracy for decades.

ADJUSTABLE TRACK SQUARE

ADTKSQ-WSYS In Systainer Case .......................................................... $349.99
ADTKSQ-NC Without Case .......................................................... $269.99
The Variable Router Jig and router guide bushings are a perfect match. You’ll keep this versatile jig right beside your set of router guide bushings, because every guide bushing operation needs a template, and the VRJ configures in minutes to any square or rectangular shape you want. Rout mortises for joinery. Mortise in hardware like hinges and locks. Rout dadoes for inlay work, adding visually stunning details to your projects. Once you see how easy it is to set up and use, you’ll start inventing ways to use it to make your projects go faster and smoother.

You can assemble the jig in minutes. Both metric and fractional scales are laser engraved on tracks. Put the scale you prefer on the inside, slide the lockbars into the edges, adjust to dimension, tighten the clamps with the supplied ball tip wrench and you’re ready to rout. When you need to reconfigure for the next step, just loosen the socket head cap screws, slide the tracks to the new dimensions, lock it back up and get back to work.

Of course, you have to clamp the jig in place along with the workpiece. In the kit you’ll find four clever hold-down brackets that slip into the edge of the track and allow you to clamp your work securely and quickly. If you’re working on a perforated table like Festool’s MFT, you can clamp your project without anything sticking above the level of the VRJ. The same thing can be done on almost any workbench surface with the proper clamps and a little planning.

The tracks for the Variable Router Jig are clear anodized to create a tough, abrasion-resistant surface. The lockbars are a special polycarbonate that slides easily and locks solidly in the track. We offer two complete kits, one with four 18” tracks and one with two 18” tracks and two 32” tracks. Both come with all the lockbars and hold-down brackets you need. If you buy the smaller kit and later need more capacity, we sell the 32” tracks separately.

VARIABLE ROUTER JIG

| VRJ-19 | Variable Router Jig 18” x 18” | $219.99 |
| VRJ-191832 | Variable Router Jig 18” x 32” | $269.99 |
| VRJ-19-TR32 | Variable Router Jig 32” Accessory Track (2pk) | $119.99 |
| VRJ-19-LBK | Variable Router Jig Lockbar Kit | $13.99 |
| VRJ-19-BC | Variable Router Jig Clamp Brackets (2pk) | $13.99 |
| VRJ19-SPT48 | Variable Router Jig 48” Accessory Track (2pk) | $72.99 |
| VRJ19-SPT60 | Variable Router Jig 60” Accessory Track (2pk) | $89.99 |

NOTE: The Festool MFT brand names are the registered trademarks of the respective companies and are not associated with Woodpeckers, LLC.
Woodpeckers Offset Base gives Festool’s two Domino joinery tools a much larger and more robust indexing platform. Originally designed for the Domino DF-500, you can get it ready for your Domino XL simply by adding the XL700 5mm Adapters.

The system starts with a very flat plate that fastens securely to the base of either Domino. The reference surface that you will hold against your stock is joined to the attachment plate through 3/4” diameter stainless steel spacers. By simply changing the spacers between the attachment plate and the reference plate, you can center your mortises precisely in five different material thicknesses, nominal 3/4” plywood (23/32”), 12mm and 18mm metric plywood and actual dimension 3/4” and 1/2”. There are .005” shims to tweak the mortise position to even tighter tolerance. There’s also an optional expanded spacer set that gives you more options for thicker material.

The heavy-duty extruded aluminum outriggers extend up to 54” either right or left of the Domino cutter. By using the zero-lateral-play flip-stops, you can precisely locate mortises over a 9-foot span in a dependably repeatable pattern.

The outrigger comes in five sections, carefully machined to precise lengths. They’re made from our Dual Purpose Track, anodized, then laser engraved with inch or metric scales. The first section is marked with “0” at the center and extends 6” right and left. The second section can be locked in place on either side. The ends are carefully machined to match and the scale calibration continues across the joint. With all five sections connected, the outrigger extends to 54”.

The complete “System” includes the Offset Base, five outrigger bars with connectors, five sets of spacers and four flip stops. You can also order the Offset Base without the outrigger set up. The “Base” includes the attachment plate, reference plate and the optional 5mm spacers if you’re using a Domino XL. Both configurations are available with inch or metric scales, and both come in a Systainer, compatible with your Festool cases.

OFFSET BASE SYSTEM

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<tr>
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<td>Offset Base System Metric in Systainer Case</td>
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<td>Offset Base Metric in Systainer Case</td>
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<td>Offset Base Outrigger Inch Scale</td>
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OFFSET BASE SYSTEM

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<tr>
<td>DF500-OBTA-18</td>
<td>Offset Base Table Apron Spacers</td>
<td>$34.99</td>
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<tr>
<td>DF500-OBTA-18</td>
<td>Offset Base XL700 5mm Adapters</td>
<td>$14.99</td>
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NOTE: The Festool Domino brand name is the registered trademark of the respective companies and are not associated with Woodpeckers, LLC.

CALIFORNIA RESIDENTS WARNING: Cancer. For more information go to www.P65Warnings.ca.gov. See pg 68.
When I was first out on my own as an adult, “building bookshelves” involved concrete blocks and home center one-by-twelvess. Later in life, as I started getting involved in woodworking, “bookshelves” took on new meaning. For one thing, I married a bookworm with a taste for nice furniture. The con-block routine was history. As my skills in the shop grew, my bookshelves and bookcases became more refined. When the folks at Woodpeckers asked me to design an intermediate-level furniture project, my mind almost immediately

Ready to tackle an intermediate level project in your shop? This beautiful traditional style bookcase puts your track saw and Domino joinery tool to work. Of course, it could also be done completely with a table saw and biscuit joiner or dowel jig.

By Guy Dunlap
I selected 3/4" cherry plywood. I laid some sacrificial foam insulation on my work area and placed the sheet on top of that. I prefer to use my track saw and cut a new reference edge, rather than relying on the factory edge, so that was Step 1.

Using Woodpeckers Parallel Guide System and my track saw, I made the necessary rip cuts next. The great thing about the guide system is that I can make repeatable, accurate cuts the first time. All I have to do is set the stops, butt the ends of the arms against the edge of the stock and make the cut. The track saw delivers results just as accurate as a table saw (if not more so), and in a fraction of the floor space needed by a table saw. I ripped stock for the two sides, the top and the bottom all at the same width. Then, I reset the width and cut stock for three shelves.

After the rip cuts were complete, I switched to a square guide and a short track to cut to the parts to their final length. I put painter’s tape on the parts and labeled them so I could easily identify them later.

With the case parts cut, I started working on their joinery. I adjusted my dado set to exactly match the width of my plywood and cut rabbets on the tops of the case sides and dadoes 1-1/4" from the bottom edges (the case top will fit right at the top, but the bottom needs to be raised up 1-1/4" to make it flush with the face frame). Then I changed the dado width to match the 1/4" plywood used for the back and cut rabbets in the back edges of both sides.

In all the dado blade work, I made sure to cut the dadoes and rabbets on the “B” side of the plywood and made sure I was making mirror images. I wanted both sides to have the “A” face of the plywood on the outside. If you don’t have a dado set, or you are more confident in your router, all the grooving could have been done with a router and a straight edge guide.

Before I assembled the case, I drilled holes for adjustable shelf pins. If you know exactly what size all your books will be, you can fix the shelves permanently, but I like the flexibility of being able to move the shelves up and down. Woodpeckers Shelf Pin Template makes this job so simple. It works with either drills or routers to drill 1/4" holes on 1" spacing or 5mm holes on 32mm spacing. I prefer to use the router for this job, as it really helps prevent tear out on the surface veneer. I referenced the end-stop pin and the pair of edge-stop pins against the stock and clamped the template in place. Then I used a template guide bushing on my router, dropped the guide bushing into the holes in the template and plunged to cut the holes.

I don’t always have this kind of patience, but this time I remembered to sand the panels down through 180 grit before I assembled the case. It’s so much easier to do it while the panels are flat. There’s still some detail sanding to do, but the bulk of it is done and I didn’t have to worry about running into adjacent sides.

With the sanding done, it was time to assemble the case. I love Woodpeckers Box Clamps for an assembly like this. I have four set up to be tightened with an Allen wrench and four set up with knobs. I pre-set all eight of them to the thickness of my plywood. I did a dry run first, without glue. I got everything in place, snugged up the box clamps, then gently tapped the joints into perfect alignment and finally tightened up the box clamps a bit more to make sure nothing moved. When I was sure everything fit just the way I wanted, I took it all apart carefully spread glue on the mating joinery cuts and put it back together again. Sometimes I’ll have to add an extra clamp or two, particularly if the sheet goods have a bit of a crown to them, but this time it all came together perfectly.

With the case drying, it was time to start working on the top. I selected enough stock for the top, the shelf edging, the face frame, the pedestal base and the molding. I planed it all down to 3/4". I selected two boards with similar color and grain pattern and confirmed that when edge-glued, the panel would be a bit wider than my planned top. Once I was sure these were the boards I wanted, I cut them to rough length. I decided to use some Dominoes to help align the boards. I installed Woodpeckers Offset Guide Bushing for the dado set to exactly match the width of my plywood and cut rabbets on the sides of the case. I set the dado width to 1/4" for the back and in place. Then I used a template guide bushing on my router, dropped the guide bushing into the holes in the template and plunged to cut the holes.

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Base with the 3/4” spacers. I put the 5mm cutter in my Domino and set the cutting depth to 15mm and laid out and cut 5 equally distributed mortises on the two joining edges.

The glue up was pretty straightforward. I put a film of glue on both sides of the joint, spread some on the Dominoes and inserted them into the mortises. I put the pieces together, and placed them in clamps, making sure to put enough pressure on the clamps to close the joint and give me a nice bead of squeeze out. I made sure the glue up was nice and flat and set it aside to dry.

**While the Domino was set up, I moved on to the shelves.** I set my table saw to rip 1-5/32” and cut enough stock for the three shelf edges and the front perimeter face frame. I set the face frame stock aside and cut the shelf edges the same length as the shelves. I set up Woodpeckers Story Stick Pro to mark a uniform distribution of 4 Dominoes over the shelf length, clamped the edging to the shelf and marked the position of the Domino mortises. The Story Stick Pro was a great tool for this job since I had multiple shelves to mark.

I used one of my favorite tricks with Woodpeckers Offset Base to make sure the edging was uniformly proud of the plywood surface when I glued them together. The Offset Base already had the 3/4” spacers installed. I used those, referencing from the top of the shelf edging material. Then, I switched to the 23/32” spacers and cut the mortises in the edge of the plywood shelves. The switch pushes the edging material a uniform 1/64” above the plywood. A quick cut with a flush trim bit and the solid stock is perfectly level with the plywood. I’ve tried lots of different methods and this one gives me the most consistent results.

I used the same trick on the stiles of the face frame. I clamped the stile material to the case, reset the Story Stick Pro for 4 evenly spaced mortises and marked both the face frame stiles and the plywood case at the same time. Since the 23/32” spacer set was already on the Offset Base, I cut the mortises in the plywood first. Then I swapped out the spacers back to the 3/4” set and cut the mortises in the stiles. Just like the shelves, my stiles were a perfect 1/64” proud of the plywood.

I dry-assembled the stiles onto the case, took careful measurements for the face frame rails, and cut them to length. I couldn’t flush trim the bottom rail to the bottom shelf without doing a lot of hand work at the ends where the flush trim bit wouldn’t make it into the corners, so I opted to use the same spacer set for both the rails and the plywood, which lined them up flush. I laid out 4 equally distributed mortises as before and marked both the top and bottom rails along with the top and bottom plywood.

After cutting all the mortises, I dry-assembled both the rails and stiles onto the case and marked each of the four rail and stile joints for a Domino. I cut the mortises then glued the face frame together separate from the case. When it was dry, I glued it onto the case. I used clamping cauls and a bunch of F-clamps to make sure I had perfect contact between the face frame and the edges of the case. When the case/face frame assembly had completely cured, I put a 1/2” flush trim bit in a small router (what old timers call a “laminate trimmer”) and trimmed the stiles and the shelf edging flush.

I want to share another trick with you. This one is for cutting tight-fitting miter joints. In brief, the trick is don’t “cut” the miter joints, rout them. A 45° chamfer bit in a router table is already “dialed-in” to the right angle, and probably has less runout than most table saws. For this project I mitered the base pieces on my router table. I started this step by ripping the three cherry pieces for the base to 2-1/2” width and left them long.

I installed a chamfer bit with a 13/16” depth of cut in my router table. Using some scrap stock exactly the same thickness as my base material, I used the micro-adjuster on my router table to sneak up on the perfect depth of cut. I wanted a crisp edge on the miter, but didn’t want to chance the overall length of the workpiece.

With the router table all set up, I was ready to start machining the miters. I started by milling a miter on one end of both boards that will be the short sides of the base. Note in the picture I used a piece of scrap stock behind the boards to help guide them accurately and to minimize tear-out. With the case sitting flat on my workbench, I clamped the mitered boards to the sides of the case, aligning the short side of the miter perfectly to the corner...
of the face frame and with the other end extending past the back. Next, I took the piece for the front of the base and set it on top of the mitered ends. I carefully marked the exact points where the mitered ends intersected with the front. Then I took the front to my miter saw and cut the ends perfectly square at the marked points. Then I went back to the router table and ran both ends across the chamfer bit. When I went back to the case for a test fit, the front dropped between the sides perfectly. If it hadn’t, I was ready with a miter shooting board to shave a little off, but it was spot on.

I designed this bookcase to be relatively easy to build. One compromise I made toward that goal is that it is definitely designed to go against a wall. That meant I only had two miters to cut perfectly, not four. Since the back won’t ever be seen except by movers, I decided to use some of the leftover plywood as the fourth side of the base. With the miters fitting perfectly, I marked the sides of the base flush to the back of the case. I measured between the two base sides and cut the plywood to fit.

To create “feet” on the base I laid out 6-inch radius curves 2-1/2” in from the ends and 1-3/4” down from the top of all four sides. I clamped a piece of scrap to the bottom edge of the pieces to locate the center of the radii and marked them with a compass. I cut everything out on my band saw, leaving the line and used an oscillating spindle sander to clean it up.

Next, I cut Domino mortises into the mitered joints and the back joints. I was careful to position the Dominoes in the miters as close to the inside corner as possible to prevent blowing through the stock. I glued and clamped the base, checking carefully to make sure my clamping pressure didn’t rack it out of square. When the glue was dry, I cut two pieces of cherry 3/4” x 3/4” x 2-1/2” and glued them into the corners, reinforcing the miter joints.

The last step on the base was to add strips of plywood to the front and the sides. I ripped the strips to 1-3/4” and drilled a series of pocket holes in each. I glued the strips to the base front and sides being careful to keep the tops flush. In the next step I used the pocket holes to attach the base to the case bottom.

With the case lying on its back on a flat surface, I centered the base and case to each other, checking that the reveal was even on the sides and the front. With it positioned just right, I screwed the base to the case.

Next, I cleaned up the top with a hand plane and cut it to size. I cut it for 1-1/2” overhang on both the sides and the front and flush at the back. I installed a 3/4” round-over bit in my router table and set it roughly to height. I used a piece of scrap stock the same thickness as the top to dial in a full-depth round-over. After choosing the finish face and front edge of the panel, I cut a round-over on the underside of the ends and the front edge. I left the back square.

I love the thumbwheel micro-adjuster on my Woodpeckers Router Table. Cutting the round-over on the top is a great example of why. When I’m making molding cuts, I like to do it in two passes, the first one removing the bulk of the material, and then a final finishing pass. I always do my set-up work on scrap stock and do it to my finished depth. Then, I zero out the dial and back off the depth by 1/32”, which is one full revolution of the dial. After my roughing cut, I just dial it back in to zero and I’m spot on every time.

I carefully aligned the overhang on the front and the sides and glued the top to the front and the first two inches

Offset edge banding and face frame material was trimmed perfectly flush with a laminate trimmer and a bearing-piloted flush trim bit.

I cut perfect fitting miters using a chamfer bit on my router table instead of trying to cut them with a table saw or miter saw. Backing up the cut with scrap stock minimizes tear-out.

I test fit the miters before cutting the curves out of the base.

Relief cuts on the base pieces give each corner the appearance of a “foot”.

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of the sides. Leaving it unglued at the back and most of the sides eliminates any risk of damage from the solid wood top moving at a different rate than plywood sides.

I used shop-made cove molding to transition between the case and the top and bottom. On the top, the under-bevel 3/4" radius and the 5/8" cove molding blend together to give the appearance of a slightly over-extended ogee. It’s a look I really like and one you can’t get from any router bit on the market. On the base, the cove molding covers up any minor inaccuracies in the joint between the base and the case.

**Making the transition molding was a very easy process.** I started with 3/4" cherry and cut a piece about 6" wide and 35" long. I installed a 5/8" cove bit in my router table and lined up the fence with the bearing. I adjusted the height of the bit to leave 1/8" at the top. Like before, I dialed in the depth on scrap stock, backed off the micro-adjuster 1/32", made my roughing cut, raised the bit back to final cut position and made my finish pass. I ran both edges of the board and then went to the table saw. With the rip fence set for 5/8", I ripped both molded edges off and repeated the whole process, giving me 4 pieces of molding.

I waited until a calm Saturday morning with no distractions to tackle cutting the miters and installing the molding. It’s the most obvious part of the project and I wanted the miters flawless. Much as I did in constructing the base, I cut the sides first and fit the front between them. When I had the miters just right, I cut the side moldings flush with the back and used glue and pin nails to attach the molding at both the base and the top.

Dominoes in mitered corners need to be held closer to the inside of the joint.

I cut some of the surplus plywood into strips and drilled pocket holes in them. Then glued them flush with the base material and used them to attach the base to the bottom of the case.

I made cove molding for both transitions…from the base to the case and from the case to the edge-glued top.
Keeping everything square throughout the project ensures that the cove molding miter joints look perfect.

The last step of construction was to cut and install the back. I double-checked my measurements then used the Woodpeckers Parallel Guide System and my track saw to cut the 1/4” plywood to size. I stopped myself just before I pinned the back to the case. It was much easier to sand and finish everything before the back was attached.

For finish I used a 1-1/2lb. cut of garnet shellac. This step helps keep the cherry from blotching and gives the cherry a “head-start” on the aging process. Freshly machined cherry is sort of pinkish, and will stay that way for several months if you just apply a clear finish. After the shellac dried, I sanded with 320 grit and applied 3 coats of a satin wipe-on varnish. Between coats I used a gray abrasive pad to knock down the dust nibs before I apply the next coat. After the finish was dry, all that’s left is to attach the back. I did this by pre-drilling and countersinking 5/8” #6 screws.

My wife already has a stack of books waiting right by the spot she has picked out for this case. I'm having trouble convincing her the finish needs some time to cure before she starts filling it up. If you or your loved one has a similar passion for “real” books, and you’re ready to take on a project that’s a little complicated (but still pretty straightforward) I think you’ll enjoy both building and owning this traditional style bookcase.
Protect Yourself & Your Valuable Saw Blades

Carbide-tipped circular saw blades are a substantial investment and, like all investments, deserve protection. With the Woodpeckers BladeSaver, you never need to touch the blade's sharp teeth. To attach the BladeSaver, simply lay the blade flat, wrap it around the teeth, then latch the master link and store it away using the handy hanging hook. Each blade is individually protected ensuring blade teeth can’t contact or strike other blades or objects. BladeSavers are molded using tough, ABS plastic that will provide years of protection for your valuable 10” and 12” saw blades.

A Drawer Anywhere & Everywhere

Put wasted shop space to work. Every shop has space going to waste under shelves, below upper hanging cabinets, even under your workbench top. Cubby Drawers put that unused space to work and help you organize small parts, fasteners and more. Store nails, screws, dowels, biscuits, nuts, bolts, washers and dozens of other shop necessities.

Our Cubby Drawers are made right here in the U.S.A. using high-impact ABS plastic. This is the same material many auto parts are made from. Each drawer interior measures 2” wide x 6” long x 1-7/16” deep. You can divide drawers using supplied dividers that slide into notches. Cubby Drawers come with drawer hangers that are easy to install using four screws. The drawers glide effortlessly in their hangers.

When you need the contents of a drawer just slip it out of its hanger and place it right where you need it, like on your bench while you assemble a project. You’ll use just the items you need cutting down on waste. You’ll find the drawer you need fast because you can label (and wipe-off then relabel) drawer fronts using dry erase type markers (not included).

BLADE SAVER

BLADESAV-10 BladeSaver 10” .................................................. $13.99
BLADESAV-12 BladeSaver 12” .................................................. $14.99

CUBBY DRAWERS

CUBDRWR Cubby Drawers - Set of 6 ........................................ $21.99

These drawers are so handy, so useful, and so affordable, you’ll want a bunch. Like many of the best things, they come in six-packs. Get some for your workshop and order more for other family members. You’ll find lots of uses for them around the house.
Cleans Glue Residue Even in the Tightest Spots

You’ll Wonder How You Ever Got Along Without It. This tool excels at glue removal and is an effective wood scraper that gets into tight places regular scrapers can’t reach.

Our solid carbide blade starts sharp, stays sharp. Carbide tooling holds a sharp edge for a long time. The Mini-Scraper delivers long-life with four edges. The blade edges have a slight camber to help prevent marring your wood. We also offer an optional, perfectly square insert for getting into square corners. Replacement blades are available.

The Mini-Scraper’s rugged carbide blade will pop the toughest dried glue right off your work. When you find dried glue in a tight corner, the Mini-Scraper with the optional square insert removes it with ease.

You can scrape dry wood using a pushing motion at a low angle for an aggressive, bulldozer-like cut. To produce a finish quality cut, use a pulling motion with the handle held at a high angle. Easily clean wet glue off your scraper with just a damp rag.

MINI-SCRAPER
MSCRAPE Mini-Scraper............................................... $21.99
MSCRAPE-CB Replacement Carbide Blade................ $11.99
MSCRAPE-SQ Square Carbide Blade......................... $11.99

Have Your “Morning Joe” with Your Favorite Tools

Love our red tools? Then you’ll love our new hand-thrown 14-ounce mug. While each one looks very similar, no two are the same... just like snowflakes. Our mugs are made by Deneen Pottery in Minnesota. Their unique “Glaze Engraving” technique lifts the Woodpeckers logo and square off the surface of the mug and gives it dimension. Deneen Pottery is specifically designed to go from the freezer to an oven or microwave and then to the dishwasher, all perfectly safe for both the pottery and you. Sized to last you a while, whether you’re working in the shop or just relaxing in the kitchen.

WOODPECKERS 14OZ SIGNATURE MUG
WP-MUG Woodpeckers 14oz. Signature Mug ................. $29.99

SAFE FOR
DISHWASHER MICROWAVE OVEN FREEZER LEAD FREE & FOOD SAFE
This new larger version of our Heavy-Duty .9mm Mechanical Pencil measures .425” in diameter compared to .325” of our original version. This Heavy-Duty model also features 10 flats along the length. When you combine the larger diameter and the flats, the result is the easiest to grip Woodpeckers Mechanical Pencil yet! This is a very high quality, American made Mechanical Pencil.

Robust .9mm pencil lead is ideal for marking heavy grained wood like oak. Fits perfectly in 1mm holes of Woodpeckers T-Squares. This lead does not fit Incra rules.

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**MECHANICAL PENCIL**

**WPHD9MM** Heavy-Duty .9mm Mechanical Pencil...............................$8.99

**PENCIL-ERASER** Pencil Erasers (4pk).................................$1.99

**PENCIL-LEAD-9MM** .9mm Pencil Lead (12pk)..............................$2.50

**SHOP NOTEPAD**

**GR-NOTEPADX3** Shop Notepad (3-pk) .............................$14.99

Not quite ready for Sketchup or some other drawing software? These superior quality graph Shop Notepads allow you to get your ideas on paper and with the handy grids, you can even clear up any details. Layout a new joint, or visualize a construction problem, nothing makes the process as easy or as simple. With measurements on all four sides of the page, you can layout your work vertically and horizontally. Each 8-1/2” x 11” Shop Notepad has 50 sheets of 20lb bond paper. The dot matrix grid is laid out using 1/4” spaced squares with a dot every 1/16”. Set includes 3 Notepads.

Once You Try This Notepad...You’ll Be Hooked!
I've used the same pair of saw horses for over 40 years. In that time, they've seen thousands of cross-cuts and rips, but they've also served as a makeshift workbench, a step ladder, scaffolding, a finishing platform and a lunchroom bench. They've seen new construction, home remodeling and lots of furniture projects. Every paint splatter conjures up memories of a project and every errant saw kerf reminds me not to work too fast or when I'm too tired.

Dad taught me the value of a good pair of saw horses while I was still in school. He and a cabinetmaker from the small town where I grew up both told stories of showing up at a job site, being given one 2x6 and two 1x6s and having their job depend on what the foreman thought of the horses they would build. Ed Christy (Dad's cabinetmaker buddy) favored a design published in an adult education text book published right after World War II. He loaned me a dog-eared old copy of the book and Dad helped me make a set.

What makes this design so versatile and durable is the compound angles used for the legs. The splayed legs create strength and stability without adding weight. My old set still has lots of life left, but I wanted to give them a semi-retirement, so I decided to make a new pair. I took measurements from my old set and one of our talented product developers put them in our CAD program to figure out all the angles. With Greg's help, I put together a plan that is a very close replica of the horses Dad and I built in 1978 from plans first published in the late '40s. I made them a couple inches taller, since I don't bend as easily as I did 40 years ago.

Nice fitting compound angle joinery requires carefully setting the angles down to fractions of a degree. That's difficult when the protractor scales on most saws aren't all that accurate. Instead of relying on them, I used Woodpeckers Bevel Square and Angle Reference Plate to set all the miters, bevels and compound angles used in making this pair or saw horses. Woodpeckers Angle Reference Plate gives you a long, easy-to-align reference for every angle between 0° and 55° in quarter-degree increments. The plate is the same thickness as the thin side of the Woodpeckers Bevel Square. When they're both flat on a table, the blade of the Bevel Square rests perfectly on the Angle Reference Plate.
I started by cutting the legs. I set my miter saw to a 20° bevel angle and a 15° miter angle. I cut 8 legs out of 1x6's. Each leg measures 28" from long point to short point. The first compound angle issue shows up on the edge of the legs. Since the legs are going away from the saddle at two angles, the leg edges aren't parallel to each other and they intersect the saddle at an angle. The easiest way to compensate for that is to rip the edges to a 5.38° bevel. I interpolated the angle by setting my Bevel Square against the Angle Reference Plate slightly more than 5.25° and slightly less than 5.50°. I set my table saw blade to the Bevel Square and checked the cut on a piece of scrap stock.

Aligning the edges of the legs for the bevel cuts was a little tricky. After a couple failures I figured out a relatively simple way to keep things straight. I ripped the first edge with the long point of the miter leading into the blade and the end bevel facing up (see photos below). Then on the second edge, I flipped the board over so the long point was against the fence and the end bevel was facing down. You can tell if you have it right by looking straight down at the beveled end of the leg. The edge bevels should make the beveled end appear perfectly square.

With the legs complete, it was time to cut the saddles. I cut two 48" long sections of 2x6, squaring both ends. I selected the side I wanted to face up and marked a line square across both ends of both boards 6-7/8" from the ends. I carefully measured the beveled end of the legs for both width and length. I marked another line square across the saddles the length of the beveled end of the leg away from the first line. I kept this spacing a little on the tight side, as my mortises tend to grow a little as I clean them out. I used a marking gauge to scribe a line parallel to the edge of the board the width of the beveled end away the edge and joining the two perpendicular lines. I repeated this on the remaining seven leg mortise locations.
Measure the length and width of the beveled end of the leg to determine the mortise dimensions for the top of the saddle. Strike a second line square across the saddle down from the first line by a measurement equal to the length of the beveled end.

Set a marking gauge to the width of the beveled end and scribe a groove between the two square lines.

The compound angle for the intersection between the edge of the saddle and the side of the leg is 15.92°. Using the Angle Reference Plate, I set the Bevel Square where the angle was just barely less than 16°. I transferred that angle onto the mortise layouts on the edge of both saddles, making sure the angles ran toward the end of the saddles and intersected the square lines across the top. Next, I rolled the saddles over and marked a line square to the edge and intersecting the edge bevel lines.

Set the Bevel Square to 15.92° and mark the edge of the saddle. Make sure the angle runs toward the end of the board.

The only thing left of the saddle lay-out is to mark the depth of the leg mortises on the bottom of the saddle. I know the back of the mortise needs to be 20°, and I had the top starting point set on my marking gauge, so I just made a mark for the top width at the end of the leg, set my Bevel Square to 20°, struck a line down the end, and had my bottom width established. I transferred that measurement to my marking gauge and marked the underside depth limit.

Mark the width of the leg at the end of the saddle and strike a line at a 20° angle. This gives you the width for the mortise on the bottom of the saddle. Set your marking gauge and scribe a groove between the two pencil lines.

With the leg mortises laid out, it was time to cut them. I carefully followed the line at the ends and made several more cuts between. I cleaned out the waste with a chisel, carefully paring down the 20° plane at the back of the mortise.
Carefully cut the mortise ends, stopping the saw cut at the scribed lines on both sides. Make multiple cuts between the ends to speed up the chisel work.

Knock out the bulk with a chisel and mallet.

Use a sharp chisel and pare down to final dimension.

Test fit a leg into each mortise. Adjust the fit by planing the edges of the legs with a block plane.

Leg should intersect the edge of the saddle with the edge of the bevel cut and the beveled end should be flush with the top of the saddle.
Glue and screw the legs in place with the horse upside-down and clamped to a flat surface.

Bevel the edges of the brace stock to 15.92°, mark in place and cut slightly over-sized.

Use a block plane to trim the ends of the braces flush with the legs.

I test fit a leg into each mortise, shaving the edges of the legs with a block plane until I had a perfect fit.

I glued and screwed the legs into the mortises, confirming the leg ends were flush with the top of the saddle and the inside surface of the leg was firmly seated against the back of the mortise.

I set the table saw blade to a 15.92° bevel angle and beveled the edges of some of the left-over 1x6 stock to make the braces. I checked the splay of the legs with the Bevel Square at 20° to make sure the mortise angles came out right. One pair of legs was just a little too wide, so I put a bar clamp across the ends of the legs as I marked and installed the braces. I held a piece of the beveled edge brace stock across the legs on the outside and tight against the bottom of the saddle, then scribed the outside of the legs onto the brace stock. I cut the braces just a bit outside the lines, screwed the braces in place and used a block plane to trim the brace down flush with the leg.

Since I finished the horses a couple weeks ago, they’ve supported three product photo shoots and have been under several ongoing projects in the model shop. Guess this set has been adopted by Woodpeckers. If I want some for my home shop, it looks like I need some more lumber.

The Bevel Square, Angle Reference Plate and Joiner’s Marking Gauge I used in building the saw horses are part of Woodpeckers OneTIME Tool program. You’ll find complete details on the program on the back cover, but in short, OneTIME Tools are clever, well-made tools that solve a need for dedicated woodworkers, but probably couldn’t generate enough volume to be manufactured year-round. We have a talented team of product developers working on new designs all the time, and we occasionally bring the very best products back out for re-release. Look for the Bevel Square and Angle Reference Plate to come out of the vault sometime soon.
The hottest trend in interior design these days is LIVE Edge SLABS.

And, why not? Natural curves, crazy grain patterns, and eye-catching burls give live edge slab designs loads of appeal.

**Slab Flattening Mill**

Heavily ribbed extruded aluminum rails guide the router over your slab in a controlled plane. Warps, twists and mill marks are machined away leaving a flat smooth surface that needs only light sanding afterward.

Using the Slab Flattening Mill is as easy as sliding your router across the slab and back, moving over a little and repeating until you’re done.

Several sizes are available for projects as small as cutting boards or as large as conference room tables. And we’ve just added the option to capture most of the chips and shavings while you’re working.

Don’t put off tackling your live edge slab projects any longer. Order your Slab Flattening Mill today.

See pages 36-37
Time for a Table Saw Tune Up?

Saw Gauge 2.0

gauge slots vary widely by both design and manufacturing tolerance. Woodpeckers solved the problem (and received a patent for it) with three simple little polished pins

Just drop the two smaller pins in the miter slot, put the large pin between them and rest the body of Saw Gauge 2.0 on the large pin. It doesn’t matter what kind of saw -- old, new, American legend, European masterpiece or Asian import -- if the slot is in the neighborhood of 3/4", Woodpeckers Saw Gauge 2.0 registers precisely on the center of the miter slot.

Now, adjust the arm so the dial indicator just kisses the saw blade and check it at the front and back of the blade. It’s that easy. When you’re ready to check your fence, add the extension to the dial indicator arm and you can position the indicator up to 20 inches away from the miter slot. Check at several different points along the travel of the fence and you have just confirmed that the rip fence rail is perpendicular to the miter slot.

Adjusting the alignment between the blade and the miter slot of your table saw is the single most important thing you can do to improve your woodworking. The next item on that list is adjusting your rip fence to be parallel to the miter slot. With the miter slot, rip fence and blade all parallel to each other, your table saw is ready for work.

Woodpeckers NEW Saw Gauge 2.0 makes those adjustments easier and more accurately than any other tool on the market. What sets Woodpeckers Saw Gauge 2.0 apart from the rest is our method of registering the gauge in the miter slot. After-market table saw accessories have always faced the same problem; miter
Designing and manufacturing tools for that small, but very particular, group of people known as “woodworkers” is our passion at Woodpeckers. We love coming up with new and innovative tools that make woodworking easier, more accurate and more enjoyable. Acknowledging that our products aren’t for everyone, we’ve geared our factory toward making a few thousand of lots of different things, rather than making millions of just a few things. That approach has made our OneTIME Tool® program possible.

When we come up with a clever idea or an improvement on an existing product, we’ll work out all the details on both the design and the manufacturing process. Then we offer it to our E-CLUB members as a OneTIME Tool® and keep it available for 3 weeks. After the ordering window closes, we know exactly how many to build. The complete history of OneTIME Tool® offers can be found on woodpeck.com. If you take a look, you might notice that certain OneTIME Tools® come out of the vault on a pretty consistent basis (the inside joke is these are Once-In-A-While Tools). If you see something that you really like, be sure to let us know by voting— that is a very important part of how we decide which tools are re-released.

Don’t be left out of the next great OneTIME Tool® offer. Sign up for our E-CLUB today at woodpeck.com.