

October 2012 | \$10

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CUSTOM WOODWORKING BUSINESS

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CNC for Scenery p.16



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12" (315MM) 6.5 HP 3-PHASE SLIDING TABLE SAW

- Main motor: 6½ HP, 220V, 3-phase
- Scoring blade motor: 1 HP, 220V, single-phase
- Switch type: Magnetic
- Main blade size: 12", Arbor: 1", Tilt: 0-45°, Speed: 4000 RPM
- Depth of cut @ 90°: 4¼", @ 45°: 3"
- Scoring blade size: 4¾" (120mm), Arbor: 20mm, Tilt: 0-45°
- Sliding table size: 12¼" x 126"
- Max. rip capacity: 52" • Length of cross cut: 124"
- Main table dimensions: 65¾" x 53½"
- Approx. shipping weight: 1512 lbs.

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**124" LENGTH
OF CROSS CUT**



6 ½ HP, 3-Phase

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\$255⁰⁰
shipping
weight 60 lbs.

12" SLIDING TABLE SAW W/ SCORING BLADE MOTOR

- Main motor : 7½ HP TEFC, 220V/440V*, 3-phase, prewired for 220V
- Scoring motor: 1 HP TEFC, 220V/440V*, 3-phase
- Blade Size: 12", Arbor: 1", Tilt: 0-45° • Depth of cut @ 90°: 3¾", @ 45°: 2¾"
- Scoring blade size: 4¾", Arbor: 20mm, Speed: 8000 RPM
- Scoring blade tilt: 0-45° • Sliding table size: 126" x 14"
- Main table dimensions: 35¼" x 21½"
- Dust ports: 2½" and 5"
- Approx. shipping weight: 1468 lbs.



MADE IN TAIWAN

7 ½ HP, 3-Phase

G0699 ~~\$5995.00~~ SALE \$5495.00

\$255⁰⁰
shipping
weight 60 lbs.

14" 10 HP 3-PHASE SLIDING TABLE SAW

- Main motor: 10 HP, 220V/440V*, 3-phase
- Scoring motor: 1 HP, 220V/440V*, 3-phase
- Main blade size: 14", Arbor: 1", Tilt: 0-45°, Speed: 4000, 5000, 6000 RPM
- Depth of cut @ 90°: 4 ⅞", @ 45°: 2 ⅞"
- Scoring blade size: 4 ¾", Arbor: 7/8" (22mm), Tilt: 0-45°
- Sliding table size: 126" x 13 ¾"
- Length of cross cut: 123" • Cutting width: 48½"
- Main table dimensions: 39 ½" x 24"
- Appox. shipping weight: 1944 lbs.

MADE IN TAIWAN

10' TRAVEL



10 HP, 3-Phase

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\$355⁰⁰
shipping
weight 60 lbs.

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- Main blade arbor: 5/8" • Main blade arbor speed: 4000 RPM
- Scoring blade size: 3⅞" • Scoring blade arbor: 22mm
- Depth of cut: 3⅞" @ 90°, 2¼" @ 45°
- Max. rip capacity: 33"
- Approx. shipping weight: 679 lbs.

EVEN CUTS DADOS

MADE IN TAIWAN

**63" LENGTH
OF CROSS CUT**



5 HP, Single-Phase

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7 ½ HP, 3-Phase

G0623X3 ~~\$3195.00~~ SALE \$3095.00

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(G0623X ONLY)

\$150⁰⁰
shipping
weight 60 lbs.

14" SLIDING TABLE SAW

- Main motor: 10 HP, 220V/440V*, 3-phase
- Scoring motor: 1 HP, 220V/440V*, 3-phase
- Main blade size: 14", Arbor: 1", Tilt: 0-45°, Speed: 4200 RPM
- Scoring blade size: 120mm, Arbor: 22mm, Tilt: 0-45°
- Sliding table size: 13¾" x 98" • Rip fence max cut width: 32¾"
- Crosscut fence max cut width: 98¾", length: 126"
- Main table dimensions: 39¼" x 24"
- Approx. shipping weight: 1680 lbs.

MADE IN TAIWAN



10 HP, 3-Phase

G0451 ~~\$6995.00~~ SALE \$6795.00

\$255⁰⁰
shipping
weight 60 lbs.

14" SLIDING TABLE SAW

- Main motor: 10 HP, 220V/440V*, 3-Phase
- Main blade size: 14", Arbor: 1", Speed: 3000, 4000, 5000, 6000 RPM
- Main blade Tilt: 0-45° • Depth of cut @ 90°: 4", @ 45°: 2¾"
- Scoring motor: 1 HP, 220V/440V*, 3-Phase
- Scoring blade size: 4¾", Arbor: 7/8", Speed: 8000 RPM, Tilt: 0-45°
- Sliding table size: 15" x 126"
- Max. cut width: 52½" • Max. cut length: 126"
- Dust ports: 2" & 5"
- Shipping weight: 2873 lbs.

MADE IN TAIWAN

**4" DEPTH
OF CUT**



10 HP, 3-Phase

G0501 ~~\$11,500.00~~ SALE \$10,500.00

\$355⁰⁰
shipping
weight 60 lbs.

*To maintain machine warranty, 440V operation requires additional conversion time and a \$250 fee. Please contact technical service for complete information before ordering.

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ONLINE VIDEO

From WoodworkingNetwork.com



• **Inside a Sawmill**
Jessica Hickman of Hickman Lumber Co. of Emlenton, PA, narrates this video aptly titled, "What Happens at a Sawmill."

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Adding New Business Niches

Homebuilders report great quarterly results, as the housing market recovers — good news for contractors of new home interiors and cabinetry.

The downturn drove firms into new areas of work, often remodeling, or any work to keep the lights on. Of 30,000 building industry businesses surveyed by Brookes Chase, most said they are still relying on remodeling and non-residential work for the biggest part of their business — even as revenue rose for 77 percent in the first half of 2012.

One custom residential cabinetry firm we visited a few weeks ago moved into remodeling, and cut 10 percent of the staff to get by. As business returned, they rehired only half of those they let go, relying on things like screen-to-machine production, and digital table saw fences guided by down-loaded cutlists to pick up the slack.

An architectural millwork firm told us it moved into remodeling and medical markets, also doing more small projects. Business slowed so dramatically, only a skeleton crew was retained for two months, and they revised workflow to eliminate waste. With recovery, they restaffed, but at lower levels. Now their old CNC router is the weak link in the production chain, with a new one on the horizon.

Adding Woodworking Niches

The downturn transit to remodeling also brought a number of custom woodworkers and cabinetmakers into a new arena: garages and closets, for remodeling and now, for new construction.

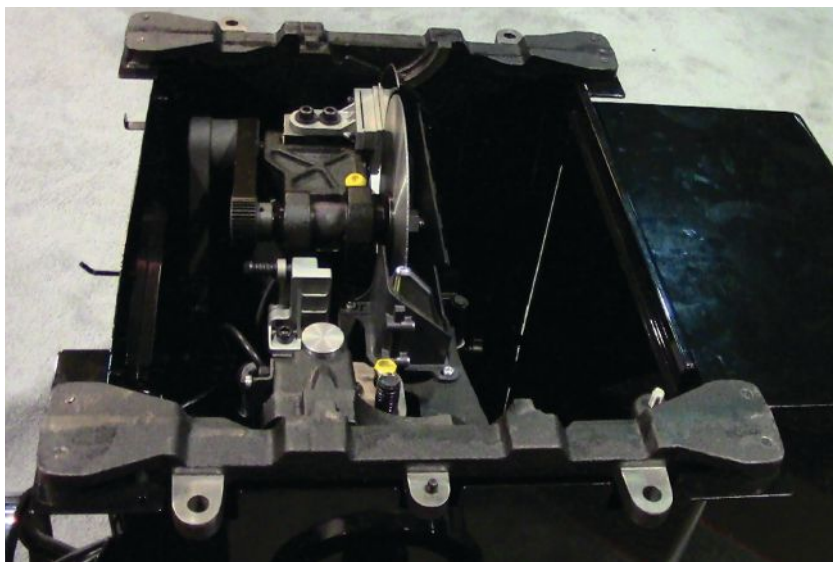
Recognizing this transition, we're relaunching and redesigning *Custom Woodworking Business*. The November issue will be accompanied by a sister title, *Closets*. We're also remodeling our closets show: Cabinets & Closets Conference & Expo debuts Feb. 27-March 1 at the New Jersey Convention Center. (See page 20.)



Bill

Bill Esler
Editor in Chief
besler@vancepublishing.com

Saw Safety Law Stops



A California table saw safety law by assemblyman Das Williams passed the assembly but the senate adjourned before voting, putting it on hold. In a video Williams wore a tie as he showed SawStop flesh-sensing blade safety brakes.

"Gass [inventor of SawStop] told the Times that he was more concerned about preventing table saw-related accidents than in profiting from a table saw safety mandate. If he really meant that he wouldn't have patented everything he could. I am pleased to see this bill go no further. Maybe safety related features shouldn't be patentable. Governments aren't really interested in safety, only taxes. — Trevor, Canada

Not only is Das Williams not wearing safety glasses or goggles, he has the blade at full height which is breaking a main safety rule in that the blade should only be high enough through the material to make the cut — approximately 1/4". I am all for safety, but do not like the path that Mr. Gass has taken. It is not all about safety, it is about dollars. — Jeff, Illinois

When custom woodworker Jared Patchin delivered a project, he found he had brought enough pieces for another cabinet. Since the job was fully installed, Patchin asked, 'Who should pay?' He ate the \$280 cost.

This sort of thing doesn't happen to us much, but here is how we would handle it: First, it is important to note we do not have a published catalog — we build up our prices for each and every piece on each and every job. We would acquiesce to the customer and smile gracefully, then we would assess (to ourselves) about how many orders this customer was likely to make over the next year. Next we would assess how much higher we could charge them without losing the next orders. Then we take all that information and add a small portion of the lost revenue to each of the following jobs for that customer until we had recovered the amount in full (or as much as we can — if this slight, temporary price increase is overdone, you do lose the customer and will never recover the money). We do the same thing with pricing errors our own salespeople make, too. In truth, all costs have to be recovered in some form eventually for a company to remain profitable and in business. — Carl, Washington

Be glad it was only \$280. It does not pay to argue. You may have bought yourself some good advertising by not making an issue. I would still use caution when dealing with that particular customer in the future. — Dave, Wisconsin



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Design Kicks Off Wood Tech Summit

> VANCOUVER, BC — Judson Beaumont, owner of Straight Line Designs, Inc. and a one-of-a-kind designer and fabricator of custom wood products, will keynote Wood Tech Summit 2012.

"I will share stories of breaking the rules and following my love of working with wood, all with a bit of humor," Beaumont says.

Straight Line Designs has been operating out of Vancouver, BC, since 1985. In addition to installations, sculptures and private commissions, Beaumont and his staff have designed and constructed

a variety of custom-built furniture and projects for public institutions as well as children's exhibitions.

Wood Tech Summit, a management-level conference for woodworking professionals will be held Oct. 22-23 at the University of British Columbia's Robson Square campus in downtown Vancouver.

The two-day event will feature three comprehensive full-day conferences — Wood Finishing, Plant Productivity and Business Development.

Register and learn more about Wood Tech Summit, including confirmed presentations, at WoodTechSummit.com.



Hand-held CNC Router Tested

> CAMBRIDGE, MA — A hand-held CNC, this one a hand-hold model, was developed recently by MIT students. It consists of a positioning-correcting chassis that guides the router cutting head along a precise path.

Students (pictured from left) Ilan E. Moyer, Alec Rivers and Frédo Durand presented a paper on the device at Siggraph, a global technology conference in Los Angeles.

The chassis guides the router to precisely track the frame's location and automatically cut out accurate shapes from a piece of material by following a digital design. The result is a handheld device that can adjust its position to precisely follow a digital plan when the user moves the router roughly around the shape to be cut.

"You load the system up with a digital plan that you would like it to follow, and then you are only responsible for getting it to within a quarter-inch or so of that plan," Rivers says. "The device then adjusts the position of the cutting bit within the tool to keep it to the plan."



Plane Cabinet Expansion

> SHERWOOD, AR — Custom Aircraft Cabinets (CAC) will expand its cabinets and upholstered furnishings manufacturing at a new plant in Sherwood, AR, hiring 150 and investing \$5.9 million.

CAC was founded in North Little Rock in 1989 and has expanded several times over the years. The new expansion will be from its existing location in North Little Rock into the former National Home Center building in Sherwood.

"This newest expansion affords us the opportunity to not only better serve our existing clientele, but to successfully approach other segments of the aircraft interiors market," CAC owners Paul Reesnes and Mike Gueringer stated. The privately held firm says it will double in size and is already hiring.

In addition to turnkey "shipsets" as its semi-custom cabinetry is called, it has 15 Catia workstations in its production areas.

Cabinet technicians handle both new cabinet construction as well as refurbishment and are proficient at building cabinetry from both the Catia models and blueprint drawings. A finish facility is located one mile from the main plant, housed separately to keep cabinet and foam fabrication dust out of the finish areas.



Grand Woodworking Start-up

> NEWBERG, OR — MarketCraft, a wood products firm specializing in retail signage and display has grown rapidly, reaching \$1.2 million in revenue with plans for a new 25,000-square-foot plant.

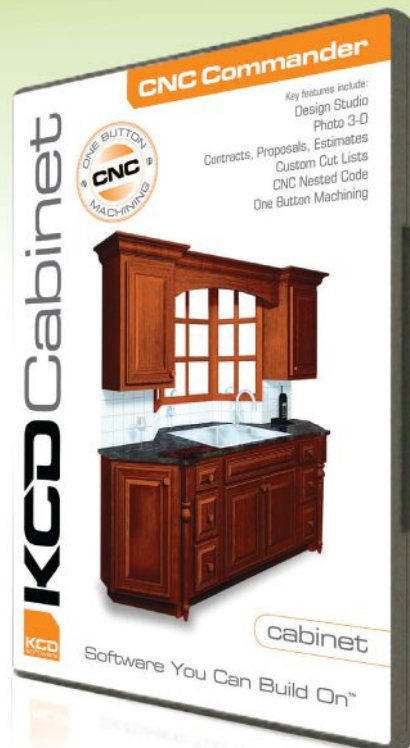
Launched 18 months ago, MarketCraft has been running a lean operation, handling mid-volume store fixture runs for dozens of retailers. President John Johnson told the *Portland Business Journal* his firm will double to 10 employees, and that he is looking for larger quarters.

Last year MarketCraft was featured in a Woodworking Network report on its Anderson Cojet inkjet imprinting system, used for simulating woodgrain and other patterns on MDF and other board.

MarketCraft also operates a metal crafting shop for creating custom hardware and metal components; vinyl sign cutting and laser etching devices; a large-volume paint room drawn from an automotive industry design; and a complete woodworking shop.

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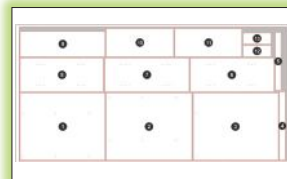
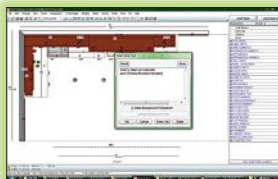
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12" BABY DRUM SANDERS

SPECS FOR G0459 & G0459P

- Sanding motor: 1½ HP, 110V, single-phase
- Conveyor motor: ¼ HP
- Variable speed: 5–35 FPM
- Drum speed: 2127 FPM
- Min. stock length: 8"
- Sanding drum size: 4"
- Sanding belt: 3" x 70" hook & loop
- Dust port: 2½"
- Approx. shipping weight: 160 lbs.

FEATURES FOR G0459 & G0459P

- Steel dust hood
- 2 adjustable pressure rollers
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- Industrial-duty conveyor belt
- Gear drive handwheel for precise table elevation

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G0459 ~~\$595.00~~ **SALE \$450.00**
G0459P ~~\$595.00~~ **SALE \$450.00**

18" OPEN END DRUM SANDER

- Sanding motor: 1½ HP, 110V, single-phase
- Conveyor feed rate: variable, 2–12 FPM
- Max. stock size: 36" W x 4½" thick
- Min. board length: 6"
- Sanding drum size: 4"
- Drum speed: 4000 FPM
- Dust port: 2½"
- Cast iron platen
- Sandpaper: 3" W
- Approx. shipping weight: 328 lbs.

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UP TO 36"
WIDE!



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WITH DUST BAG



G0458 ~~\$925.00~~ **SALE \$895.00**

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16" DRUM SANDER

- Motor: 2 HP, 220V, single-phase
- Surface speed: 2100 FPM
- Drive motor: ¼ HP
- Conveyor feed rate: 11 FPM
- Max. stock size: 15½" W x 3½" thick
- Min. board length: 9"
- 2 computer balanced drums
- Sanding drum size: 6"
- 3 pressure rollers
- 2 dust ports: 4"
- Approx. shipping weight: 304 lbs.

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INCLUDES A HEAVY-DUTY
RUBBER CONVEYOR BELT
SIMILAR TO WIDE-BELT SANDERS

G1079R ~~\$1095.00~~ **SALE \$1025.00**

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24" DRUM SANDER

MADE IN TAIWAN

- Motor: 5 HP, 220V, single-phase
- Conveyor motor: ¼ HP
- Drum speed: 2300 FPM
- Conveyor feed rate: 11 FPM
- Max. stock size: 23½" W x 4¼" thick
- Min. board length: 9"
- Sanding drums: (2) 6" computer balanced aluminum
- 2 dust ports: 4"
- Approx. shipping weight: 442 lbs.



INCLUDES A HEAVY-DUTY RUBBER CONVEYOR
BELT SIMILAR TO WIDE-BELT SANDERS

G1066R ~~\$1650.00~~ **SALE \$1595.00**

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CONVERSION KIT
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24" DRUM SANDER WITH VARIABLE SPEED

- Motor: 5 HP, 220V, single-phase
- Conveyor motor: ⅓ HP
- Conveyor feed rate: variable, 0–20 FPM
- Drum speed: 2300 FPM
- Max. stock size: 23½" W x 4¼" thick
- Min. board length: 9"
- Sanding drums: (2) 6" computer balanced aluminum
- 2 dust ports: 4"
- Approx. shipping weight: 489 lbs.

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37" DRUM SANDERS

MADE IN TAIWAN

- Sanding drum motor: 10 HP, 220V, single-phase or 15 HP, 220V/440V*, 3-phase, TEFC
- Conveyor motor: ⅓ HP, variable speed 6–18 FPM
- Max. board width: 36½" • Max. board thickness: 4"
- Min. board length: 9"
- Drum speed: 2800 FPM
- Sanding drum size: 6"
- 4 dust ports: 4"
- Sandpaper width: 6"
- Approx. shipping weight: 1400 lbs.

INDUSTRIAL RUBBER CONVEYOR
BELT SIMILAR TO WIDE-BELT SANDERS

10 HP, SINGLE-PHASE

G0449 ~~\$3595.00~~
SALE \$3495.00

15 HP, 3-PHASE

G0450 ~~\$3595.00~~ **SALE \$3495.00**

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- Motor: 2 HP or 3 HP, 240V, **HEAD TILTS VERTICAL AND HORIZONTAL**
- single-phase, 1725 RPM, TEFC
- Table size: 26 $\frac{1}{8}$ " x 12", G0564: 35 $\frac{1}{2}$ " x 12"
- Table travel: 3 $\frac{3}{4}$ ", G0564: 4"
- Aux. table size: 10" x 11 $\frac{1}{2}$ "
- Aux. table travel: 10"
- Sanding belt size: 6" x 89", G0564: 6" x 108"
- Sanding belt speed: 3150 FPM
- Platen tilt: 0° through 90° (5° scale)
- 3 spindle drums: 1 $\frac{1}{2}$ ", 2", 3" x 4 $\frac{1}{2}$ "
- Approx. shipping weight: 504 lbs., G0564: 597 lbs.



MADE IN TAIWAN

G0563 - 2HP

ONLY \$1595⁰⁰

G0564 - 3HP

ONLY \$1750⁰⁰

6" X 186" STROKE SANDER

- Motor: 3 HP, 220V, single-phase, 17 Amps, 1725 RPM
- Table size: 59" x 23 $\frac{3}{4}$ "
- Table vertical travel: 21 $\frac{5}{8}$ "
- Platen horizontal travel: 50 $\frac{1}{2}$ "
- Table lateral travel: 18"
- Sanding belt size: 6" x 186"
- Belt speed: 3600 FPM
- Drive wheel dia.: 8"
- Overall size: 98" W x 47 $\frac{5}{8}$ " D x 67 $\frac{1}{2}$ " H
- Approx. shipping weight: 744 lbs.



MADE IN TAIWAN

G0679 **ONLY \$3050⁰⁰**

15 BIT LINE BORING MACHINE

- Motor: 1 HP, 110V/220V, single phase, prewired 110V
- Table size: 28"W x 15 $\frac{3}{4}$ "D
- Floor to table height: 34 $\frac{1}{4}$ "
- Max. stroke: 3" • Max. throat: 6 $\frac{1}{4}$ "
- Distance between spindle centers: 32mm
- Fence length: 28", plus 28" left extension
- Overall dimensions: 28"W x 25 $\frac{3}{4}$ "D x 62 $\frac{5}{8}$ "H
- Approx. shipping weight: 272 lbs.



MADE IN TAIWAN

G0642 ~~\$2395.00~~ **SALE \$2295⁰⁰**

21 BIT LINE BORING MACHINE

- Motor: 2 HP, 110V/220V, single phase, pre-wired 220V
- Air requirement: 70 PSI
- Table size: 43 $\frac{5}{16}$ " W x 15 $\frac{3}{4}$ " D
- Floor to table height: 33 $\frac{1}{4}$ "
- Max. stroke: 3 $\frac{3}{8}$ " • Max. throat: 8"
- Distance between spindle centers: 32mm
- Overall dimensions: 75"W x 28 $\frac{3}{8}$ "D x 58 $\frac{1}{8}$ "H
- Approx. shipping weight: 506 lbs.



MADE IN TAIWAN

G0643 ~~\$3795.00~~ **SALE \$3650⁰⁰**

HINGE BORING MACHINE

- Motor: 1 HP, 110V/220V, 3440 RPM 10A/5A, single-phase, prewired 110V
- Table size: 28" W x 13 $\frac{3}{4}$ " D
- Max. throat: 4"
- Fence length: 12 $\frac{3}{16}$ " (x 2), plus 28" left extension
- Stroke: 4"
- Stroke operation: Manual
- Dust port: 4"
- Overall dimensions with handle: 29" W x 36 $\frac{5}{8}$ " H x 25" D
- Footprint: 15 $\frac{1}{2}$ " W x 22 $\frac{1}{2}$ " D
- Approx. shipping weight: 198 lbs.



THREE OPTIONAL HEADS

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G0718 ~~\$2395.00~~ **SALE \$2195⁰⁰**

INDUSTRIAL OSCILLATING EDGE SANDER

- Motor: 3 HP, 220V, single-phase or 3-phase, 1725 RPM
- Sanding belt oscillates $\frac{1}{4}$ "
- 8" vertical table height adjustment
- Table tilt: 45°
- Table size: 11 $\frac{3}{4}$ " x 47 $\frac{3}{4}$ "
- Platen size: 47 $\frac{1}{2}$ " x 9 $\frac{1}{2}$ "
- Base size: 42" x 24 $\frac{1}{2}$ "
- Sanding belt size: 9" x 138 $\frac{1}{2}$ "
- Belt speed: 4120 FPM
- Approx. shipping weight: 873 lbs.



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3 HP, SINGLE-PHASE

G9984 ~~\$3495.00~~ **SALE \$3295⁰⁰**

3 HP, 3-PHASE

G9985 ~~\$3295.00~~ **SALE \$3095⁰⁰**

11 $\frac{1}{4}$ " DOVETAIL MACHINE

- Motor: 1 HP, 110V/220V, single-phase, prewired 110V
- Table size: 19 $\frac{1}{2}$ " x 7"
- Floor to table height: 38 $\frac{5}{16}$ "
- Spindle speed: 18,500 RPM
- Max. dovetail height: $\frac{3}{4}$ ", Min.: $\frac{3}{16}$ "
- Max. thickness: 1 $\frac{3}{4}$ ", Min.: $\frac{1}{32}$ "
- Max. stock size: 11 $\frac{1}{4}$ "W x 28"L
- Min. stock size: 2 $\frac{3}{8}$ "W x 7 $\frac{7}{8}$ "L
- Overall size: 28"W x 23"D x 57"H
- Approx. shipping wt.: 372 lbs.



MADE IN TAIWAN

G0610 ~~\$2595.00~~ **SALE \$2495⁰⁰**

16 $\frac{1}{2}$ " DOVETAIL MACHINE

- Motor: 1 HP, 110V/220V, single-phase, prewired 220V
- Table size: 24" x 7 $\frac{3}{4}$ "
- Floor to table height: 46 $\frac{7}{16}$ "
- Spindle speed: 18,500 RPM
- Max. dovetail height: $\frac{3}{4}$ ", Min. height: $\frac{3}{16}$ "
- Max. thickness: 2 $\frac{3}{8}$ ", Min.: $\frac{1}{32}$ "
- Max. stock size: 59" L x 16 $\frac{1}{2}$ " W
- Min. stock size: 7 $\frac{7}{8}$ " L x 2 $\frac{3}{8}$ " W
- Approx. shipping weight: 492 lbs.



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G0611X ~~\$3495.00~~ **SALE \$3295⁰⁰**

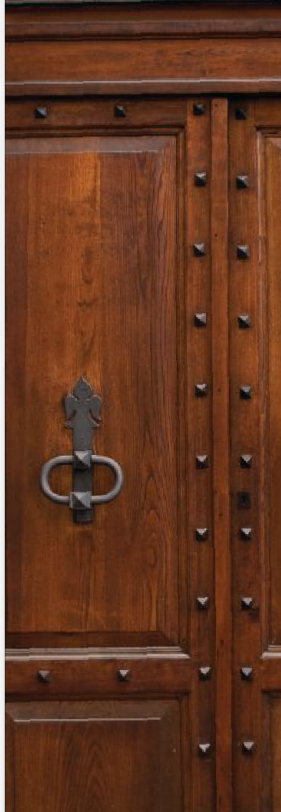
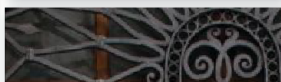


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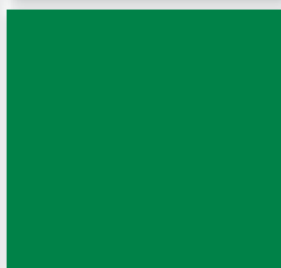


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COMING NEXT ISSUE

Custom Woodworking Business relaunches next issue, partnering with **Closets** magazine to deliver tools, technology, techniques and business advice for the custom interiors markets.

Custom Woodworking Business magazine will be relaunched with the November issue. Redesigned with a fresh new format, *Closets* — the only business publication targeting the home, garage and commercial storage solutions market — will increase its frequency and distribution. As part of the relaunch, *Closets* will move from bi-monthly publication to eight issues per year. Its circulation will be boosted from 19,000 unaudited to 47,500 BPA-audited. In addition, *Closets* magazine will be accompanied each issue by *Custom Woodworking Business* magazine, produced as a uniquely bound “dual cover” publication.

“So many of our readers running closet businesses are being asked by customers to quote on kitchens, bathrooms, even business offices,” says Laurel Didier, *Closets* publisher and Group VP of Vance Publishing, parent of the two magazines. “We’ve seen the same

thing with custom cabinet shops.” With the market improving, *Closets* shops have taken on both residential and commercial cabinetry and remodeling; custom woodshops have moved into closets, garage and storage solutions.

As a result, says Didier, Vance decided to provide readers custom woodworking information — cabinet making hardware, panel, tools and design trends and techniques — as well as business guidance for uncovering sales opportunities in the custom marketplace.

More Design Flair

“*Closets* magazine will have increased emphasis on color, style and design trends, and hardware and components that are a defining aspect of storage solutions,” Didier says. “But the best thing is that our audience of closets professionals will be able to find more

information about new products and solutions for all types of projects. It will widen the reading horizon.”

The November relaunch of *Closets* with *Custom Woodworking Business* will feature a dual-cover format. *Closets* will open on one side; when the issue is turned 180 degrees, readers will navigate the pages of *Custom Woodworking Business*. Online, *ClosetsDaily.com* and *Facebook.com/ClosetsDaily* maintain their focus on total storage solutions.

This announcement follows an news that *Closets* and *Custom Woodworking Business* would join forces to produce the all-new Cabinets & Closets Conference & Expo, Feb. 27-March 1, 2013 in Edison, NJ. (See p. 14.) That expanded event results from the same trends that are seeing more closet specialists move into custom cabinetry and other aspects of home interior remodeling. Learn more at **CabinetsandClosetsExpo.com**. **CWB**



**Cabinets
& Closets**
Conference & Expo

The Cabinets & Closets Conference & Expo, Feb. 27-March 1, 2013, represents an expanded version of the previous Closets Expo.

Cabinets & Closets Conference & Expo

Custom woodworkers and cabinetmakers get a new show and conference designed just for them. The Cabinet Makers Association and the Association of Closet & Storage Professionals continue their partnership with Vance in this expanded event.

Staff Report

A brand new event, the Cabinets & Closets Conference & Expo, is set to debut February 27-March 1, 2013, at the New Jersey Convention & Exposition Center in Edison.

The new trade show and conference represents an expanded version of Closets Expo, which has been operated for eight successful years by Vance Publishing — the parent of *Closets* magazine.

Show Director Rich Christianson says the Cabinets & Closets Conference & Expo represents a natural evolution Closets Expo, which co-located with the Custom Cabinetmakers Conference for the past three years. The Cabinets & Closets Conference & Expo builds on that foundation, integrating the events a step further

— reflecting the transformation of cabinet-making and closet businesses and markets.

“The launch of Cabinets & Closets Conference & Expo recognizes the synergies between the closet and storage solutions arena, and the custom cabinet markets, but provides unique education and product information relevant to each of them,” says Christianson. “Cabinets & Closets Conference & Expo will provide valuable education for custom cabinet companies that are crossing over to win closet business. And it will help closets companies that are increasingly called on to do cabinetry and other non-closet custom woodworking projects.”

The Cabinets & Closets Conference & Expo is a joint effort of *Custom Woodworking*

Business and *Closets* magazines, both publications of Vance Publishing’s Woodworking Network.

Partners On Board

Last year’s show partners — The Association of Closets and Storage Professionals (ACSP), and the Cabinet Makers Association (CMA) — expand their involvement with the 2013 Cabinets & Closets Conference & Expo.

ACSP has maintained a long-standing partnership with *Closets* magazine, its official publication, and is collaborating with Vance in program development for the conference sessions, according to ACSP’s new president, Dave Skinner, owner of We Do Closets of Russell, ON.

The CMA, which has co-located its

Custom Cabinet Conference with Closets Expo for the last three years, continues its partnership with *Custom Woodworking Business* in the development of an even more robust educational program geared for cabinetmakers, custom woodshops and closets businesses looking for opportunities in custom woodworking.

This will be a particularly significant program for the CMA, which piloted its Professional Certification program and Continuing Education Units (CEU) at the 2011 Closets Expo in Charlotte, NC; then formally launched the CMA Professional Certification program at AWFS 2011. As with last year's Custom Cabinet Conference in Austin, TX, CMA will present a mix of business, marketing and technology topics, relevant to both closets businesses and custom cabinetmakers.

"The Cabinet Makers Association is committed to education and intent on helping woodworking executives develop their business skills," says Dave Grulke, executive director of the CMA. "The CMA looks forward to continuing its partnership with *Custom Woodworking Business*."

Tracy Yarborough, president of CMA and owner of Maple River Wood Works, Cowey, SC, also notes, "The Cabinets & Closets Conference will focus on tried-and-proven ideas that cabinet and custom woodwork executives can take back to their shops to do a better job of pricing projects, finding new business or reducing production costs."

Award Winning Programs

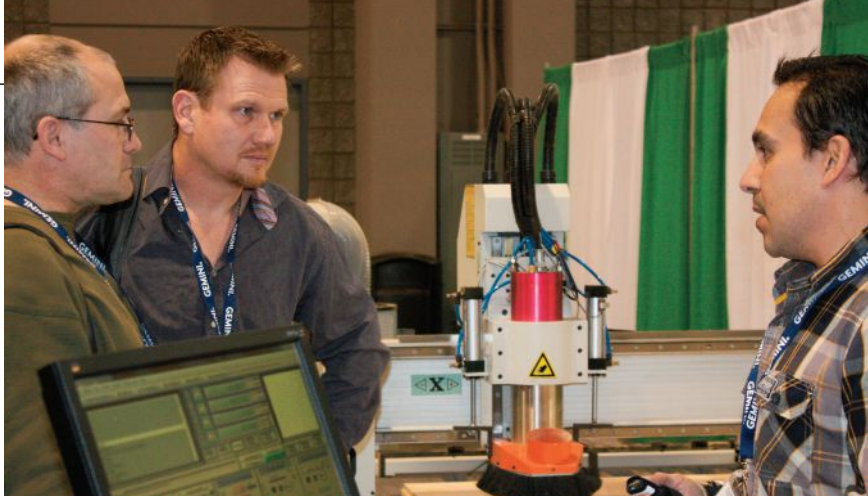
Winners of the 2012 Custom Woodworking Business Design Portfolio Awards will be recognized at the event. Entries are now being accepted at woodworkingnetwork.com/designportfolio. (Deadline is November 1, 2012.) Design Portfolio Awards are given in:

- kitchen/bath cabinets
- residential furniture, freestanding
- residential furniture, built-in
- architectural millwork
- specialty products
- closets
- commercial/institutional casework
- solid surface

A People's Choice award is also voted online.

Winners in the *Closets* magazine Top Shelf Design Awards will also be announced at a Cabinets & Closets awards gala reception. The deadline for submitting entries is January 15, 2013. Submissions are now accepted at ClosetsDaily.com/topshelf.

Enter Design Portfolio at woodworkingnetwork.com/designportfolio. **CWB**



The Cabinets & Closets Conference & Expo at the New Jersey Convention Center is geared to owners and managers of cabinetmaking shops, closet designers and retailers, garage remodeling businesses and other home storage providers.



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CNC Opens Doors to Museum Work

From stage and concert sets, Hamilton Scenic Specialty finds a new museum niche.

by Bill Esler

Hamilton Scenic Specialty got its start 12 years ago custom fabricating scenery and stage sets from wood and mixed materials. Its projects for Broadway and rock-and-roll road shows, and other segments of the entertainment industry, have high visibility.

To manage the intricacies of such work, Hamilton Scenic Specialty handles CAD detailing, planning, construction, finishing, installation, follow-up and long-term support for its projects, fabricating in aluminum, steel, solid woods, plywoods, laminates, plastics and veneers.

The majority of its work is creating theatrical stage scenery. Clients include Disney Theatrical for the set of its North American tour of *Mary Poppins*; the Blue Man Group in Orlando; and Holland America cruise ship entertainment sets.

Hamilton Scenic boasts of its pool of creative and flexible craftspeople who have a wide knowledge of design techniques, materials and equipment. The nature of projects means it also handles electrical services, such as set wiring and lighting, LED and fiber-optic installations.

A New Niche

All its skills have been readily transferable to a growing new segment: public art installations and museum theming throughout North America, all built and shipped from its Dundas operation.

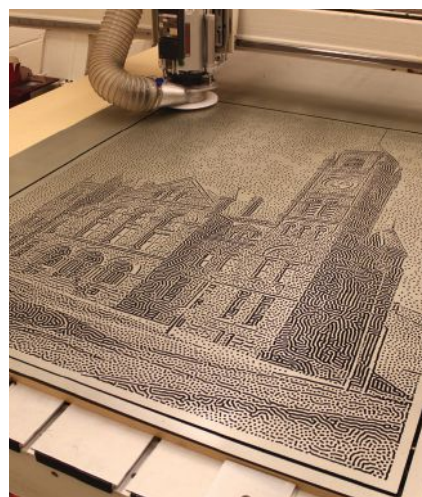
Both museum installations and stage sets have become increasingly complex, with many more parts, and styles that emphasize unusual angles and shapes. Furniture for the sets is frequently custom designed and built to match a particular perspective, work well with stage lighting and colors, etc.

To produce these unique pieces efficiently, the decision was made in 2010 to add a CNC router.

Hamilton Scenic Specialty selected the XYZ 4010 with an auto tool changer, specially engineered to achieve a quality look. Details on stage sets, seen from a distance,



Hamilton Scenic Specialty, which began crafting custom fabrications for stage and concert sets, found a new niche in a growing segment: public art and museum installations.



maybe more forgiving than museum installations, where audiences crowd closely to view exhibits. The 4010 can handle high volume production, repeatability in part production, and edge quality.

"It allows my crew to focus on quality and finishing touches as the machine works on tackling the quantity," says Mike Kukucska, Hamilton Scenic Specialty president. "We

are shaving up to 50 percent off the fabrication time."

Now Hamilton uses its CNC to cut all kinds of materials, from plywood templates, to furniture pieces, signage, stage sets, even welding jigs.

"The machine has brought us work that we never would have had access to," says Kukucska. **CWB**

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Extra Capable Router Table

Durable enough for jobsite or woodshop applications, two options for portable router tables.

by Bill Esler

Built for “precision above all else” is how Festool describes its CMS System, a router table and accessories selection that fit its OF 1400 and OF 1010 routers. But watching it in use and checking out its compatible add-ons, it’s more like a Swiss Army Knife of router tables. It also eliminates cobbling together a work area at an installation jobsite, providing a consistent, stable alternative. Resolving this headache was certainly behind the thinking in creating the CMS.

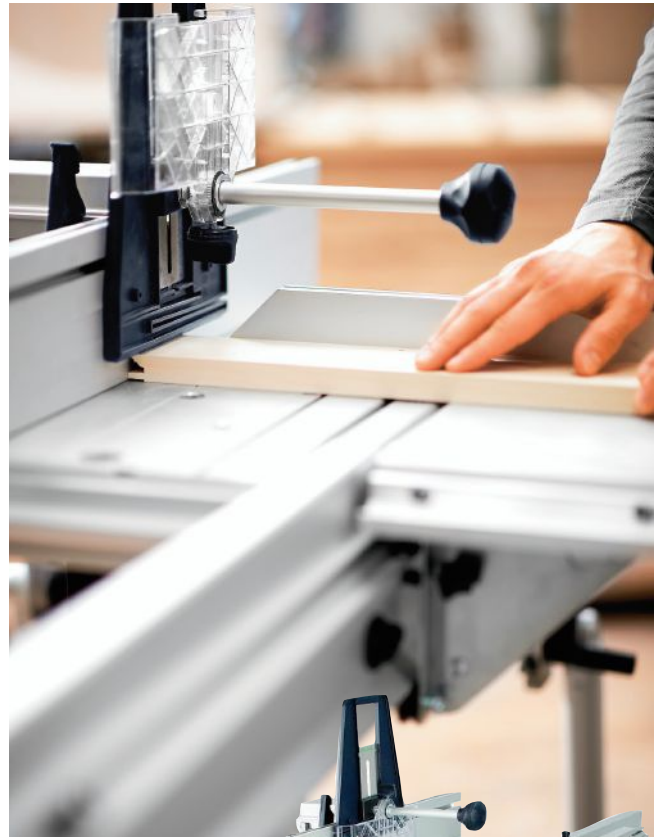
The portable CMS GE folds down for carry-in, legs snap out and secure in place with big-handled turnbuckles.

Festool says the standalone CMS-GE is rugged and durable enough to perform on a jobsite, and sturdy enough to perform dutifully as any stationary workshop equipment. The fact that you can use the identical setup in the shop or at an install means you don’t have to rethink your router work practices for differing locations. You can carry on as you are used to right in your customer’s kitchen.

Working onsite with it at a client’s location, it’s nice to have meaningful dust control. Among CMS features is a port to attach dust control hoses for capturing and containing chips and debris at the point of cut. If your vacuum system is good enough it means you won’t be relegated to the client’s driveway while routing.

Another version of the Festool’s router table system is the CMS-VL, which attaches to the Festool MFT/3 Multifunction Table, turning it into a large, stable work surface integrated to the portable routers.

Available for either is the CMS sliding table, which glides forward and backward for precision movement. A compatible miter gauge offers control for repetitive applications, especially for end-grain routing. Its fences feature independent precision microadjustments. For the CMS-GE, an extension table is available as well. **CWB**



A portable router table and accessories offers a stable router work surface in the shop or jobsite.

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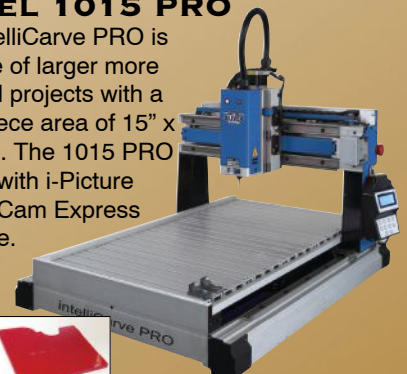
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Restored Millwork Has Lasting Design

A window rebuilt used current technology, classic millwork, and specialized lumber to last for decades.

Staff Report

Hastings Read is the first to admit that Oakleigh Custom Woodworks of Mobile, AL, the three-person shop he runs with wife Anne, had no business bidding the 14-window replacement project for the Dauphin Way United Methodist Church in Mobile.

Not only is the shop small, it was less than two years old at the time.

But the fact that Oakleigh not only won

the project from more established operations and also pulled off a stellar job is a testament to the dedication, skill and savvy of the shop and the materials it uses for its custom commercial and residential wood projects.

The Reads' path to becoming go-to woodworkers in Mobile isn't a typical one. The British couple had careers in finance, both in England and in the States. After retiring to Alabama, the Reads converted

Hastings' woodworking hobby into a business at the height of the recession in 2010, a decision that turned out to be less risky than one might think.

Most of Oakleigh's work centers around Mobile's famous Dauphin Street, a historic area whose old homes, businesses, restaurants and art galleries are in continuous need of authentic wood detailing. Among the Oakleigh projects were replacement windows for the Mobile Bay Lighthouse,

retail shop windows, and gates, fencing, railings, windows and doors for nearby homes.

But much of their success stems not only from custom capabilities, but also from the couple's attention to detail and old-fashioned professionalism. These skills became part of the sales strategy that helped them win the Methodist church project.

Knowing that the building's 50-year-old existing windows had rotted out, "Our approach was to look at the total lifetime cost of the new windows, rather than the first cost of acquisition," says Hastings. "The choice of materials could have a huge downstream effect on subsequent cost. We wanted to avoid a bidding war with the absolute lowest cost prevailing regardless of other benefits. A financial analysis demonstrated the significant benefit of looking beyond first cost, i.e., the initial cost of the windows."

Oakleigh's bid included insulated or low-E glass — targeting a 30 percent reduction in the building's five-figure annual energy cost — as well as an elastomeric glazing, and extremely high quality Fine Paints of Europe.

Oakleigh also specified Accsys Technologies' Accoya wood, an acetylated (or modified) radiata pine that resists swelling and rot common in Mobile's wet, humid climate. (Accoya wood reduces swelling and shrinkage by 75 percent or more, according to Accsys Technologies, which mills it.) This means coatings also last three to four times longer, therefore reducing annual maintenance costs.

Authentic Technique

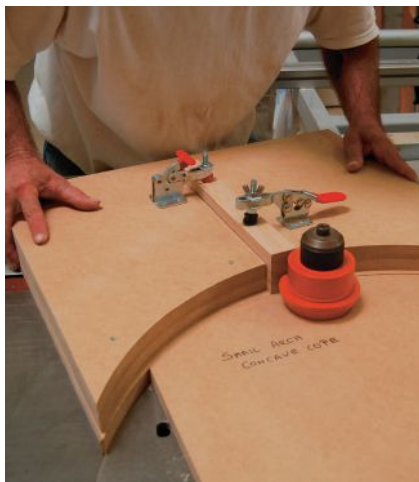
The project's contractor was swayed by Oakleigh's plan for custom cross-lap joints, in which continuous vertical and horizontal muntins (rather than single pieces) are notched at each intersection to create a lattice for stronger joints.

"It shows how to compete for business on something other than price," Hastings says. "This is a case study in how to get the customer away from the price and focusing on the overall benefits."

With 14 windows measuring 54 inches wide by 21 feet high, the church was Oakleigh's most ambitious project to date. Replicating the historic windows they replaced, each new unit includes 56 double panes of glass, each with 1/16-inch clearance. Before starting in production, the team built a prototype window at full



Counter clockwise from top: Completed windows weighed 700 pounds, challenging for transport and installation; the jig makes a concave cope cut on the end of the muntin bar where it meets the convex part of the inner arch; vertical muntins being notched, on a Laguna CNC; a concave cope cut lets the muntin meet the arch; gluing the lattice; profiling the convex side of the inner arch.





Oakleigh Custom Woodworks used Accoya wood to recreate this antique gate.

width and partial height to determine a precise construction method.

The windows' 27 individual and interchangeable parts were made in advance then assembled at one time; each length was made into three subcomponents, then fingerjointed into the final window.

To create the arched panes, Hastings made blanks from four pieces of Accoya wood then cut the arches on Laguna CNC machine. All construction, including glazing and painting, was completed in house.

Oakleigh's CNC machines, including a Laguna CNC, were central to the project. Hastings says the treated pine performed similarly to other wood products. The automated machines allow his shop to provide the speed and accuracy of a larger plant, within the walls of a low-overhead small operation. The Reads' precise techniques, including laying out every cut by hand, also helped maximize the use of the raw wood pieces to bring down upfront material costs.

While the project may have seemed overly ambitious for such a small business, "In part, we wanted to prove we could do it," says Hastings. And that he did.

Details on the Window Process

A slide show online details step-by-step the recreation of the windows by Oakleigh Custom Woodworks. Among the highlights:

- The outer arch of each window was made up of four straight pieces fingerjointed and glued with epoxy. Special clamps were used to pull the joints tightly together while the glue set up.
- Arch blanks were cut, then placed on the CNC machine. A plywood spoilboard (in the rough shape of the arch) was held down with 5 vacuum pods and the arch blank was held to the spoilboard with double-sided tape.
- The CNC machine cut the half joints where the horizontal joins the vertical using a halving joint. After this process the board was ripped into individual muntins.
- Vertical muntins notched two-up, are held down side-by-side on custom vacuum pods. After the top cut, the muntins were turned over to cut the other V notch. The muntins underwent three separate operations on the CNC so accurate placement of the material was critical to making the joints.
- The final glazed window weighed some 700 pounds, and was moved by a shop made cart. "We slid dowels under the window and pivoted on the edge of the assembly table sliding over the dowels," explains Hastings. "An air-assist forklift was essential."

See the project online in a slide show at woodworkingnetwork.com/articles **CWB**



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A photograph of a luxurious, multi-story interior. The scene features a grand staircase with ornate wrought-iron railings, a large chandelier, and a comfortable seating area with leather sofas and patterned cushions. Large windows with red curtains and a fireplace are visible in the background. The overall atmosphere is one of elegance and traditional craftsmanship.

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Crowded booths dominated the International Woodworking Fair, as cabinetmakers, specialty woodworkers, custom furniture makers and wood shops owner arrived in large numbers.

What's New at IWF? A Busy Show

Our woodworker correspondents offer International Woodworking Fair snapshots, with a page of links to extensive show floor coverage.

Staff Report

After four tough years, woodshop owners and craftsmen of every stripe filled the aisles of the International Woodworking Fair. The biannual Atlanta show suffered in 2010 along with the woodworking industry. Both attendance and exhibitor count were lower.

This year equipment, software and supplies manufacturers returned for a successful show. Preliminary attendance was 23,000.

For custom woodworkers, fundamentals were key. Practical offerings — software to rent instead of buy; basic floor machinery (particularly saws) — trumped whiz bang technology in capturing woodshop pros.

Attendees came for education — the Cabinet Makers Association reported more

than 400 registrations for its workshops — as well as peer fellowship. Our bloggers and correspondents reported from the show floor:

Bernie Bottens, owner, Kapellmeister Enterprises, Vancouver, WA: MD Dario exhibited an articulated bandsaw. The articulated arm allows the saw to come to the wood and make difficult, intricate cuts while the work piece holds still.

All of you folks who are cutting really bulky pieces on a band saw understand the difficulties of feeding something really heavy or bulky through the saw while trying to conduct an intricate cut. Here's a way to do that while the work piece holds still and the saw moves. The articulated arm,

with its ball bearing joints keeps the saw perfectly plumb in all axes. There is also a guide on the saw that lets you follow patterns clamped to the workpiece.

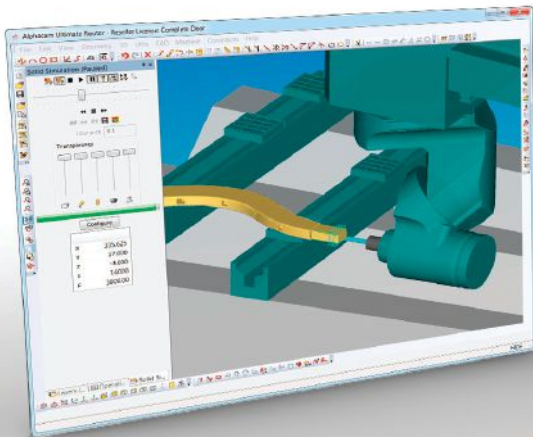
The saw has a multiple workstation where the saw arm pivots around a central point to service four separate pieces, at four work stations.

Jared Patchin, J Alexander Fine Woodworking, Boise, ID:

I began my wanderings through Hall B, which is mostly machinery. Looking at top-of-the-line woodworking machines all day is pretty awesome, but buying some of those machines is even more awesome.

I worked my way to the Felder Group

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Putsch USA showed its line of vertical panel saws, exhibiting at its first IWF.

booth, which has some pretty impressive equipment spread throughout its Hammer, Felder, and Format lines.

I would love to buy one of their planers and jointers with the "Silent Power" spiral cutterhead! I also saw, for the first time, a crosscut fence with a digital readout for the cut length and angle, complete with an automatic cut length adjustment depending on the angle of the cut. Consider me impressed!

Edgebanding discoveries highlighted the next part of my day. I got an in-depth demonstration of the new Brandt Ambition 1110 edgebander. Over the past three months I have been looking for quality used edgebanders. Used equipment has been perfect for my company. But after surveying the used market, and educating myself on edgebanders, I decided that I was willing to pony up the money and buy new.

Brandt's Ambition line of edgebanders is geared towards the small cabinet shop. The machine comes standard with top and bottom trim, front and end trim, and buffing, and can also include, at time of purchase, a pre-mill unit.

The pre-mill will actually removes anywhere from 0.5 to 3mm from the face of the piece, thereby ensuring the edgeband is being applied to the most perfect face of particleboard possible.

After spending my money on the Brandt edgebander, my mission was now strictly one of information gathering and education. In Hall A, which is lumber, veneer, edgebanding and supplies, here in no particular order are some of my IWF highlights:

A tour of the Blum booth changed my outlook on what is possible with hinges and slides and drawer boxes, which sounds quite nerdy, unless you make your living using that hardware. I was impressed by the BluMotion soft-close undermount slides complete with a servo-driven push-to-open mechanism; and the soft close hinges including an on/off switch on each hinge. I am also seriously looking into Blum's TandemBox, a double-walled metal drawer box with integrated BluMotion slides. I know that Grass and Salice have many of the same offerings, but the Blum demonstration was eye-opening.

Woodworker as Electrician

I will be educating myself on the Loox systems offered by Häfele, and Rev-A-Shelf's recently acquired lights source, Tresco, so I can start selling and integrating these lighting systems into our

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Woodworker Jared Patchin's big buy at IWF was a Brandt edgebander.

cabinetry and furniture.

LED lighting for cabinetry has now become as easy as 1-2-3. First, plug the driver into an outlet that is hidden, like in the microwave cabinet or on top of the cabinetry. Next, plug in all the different lights that will be run off the driver (up to six ports). Lastly, plug in any of the switches, which include motion detectors, dimmers, and sensors, and you're done. The only thing you would need a professional electrician for is to hard wire the 120V outlets for the drivers.

On the next leg of my IWF tour, I discovered rolls of solid wood edgebanding in 2 or 3 mil thicknesses. I will be using this stuff every time I edgeband plywood panels. (It can be layered for a super thick edgeband.)

The most serendipitous discovery was TreeFrog Veneer and its Chemetal line of metallic veneers. These sheets of metal veneer will now allow me to bid on a project in metal that I had at first refused.

Show Specials

Another interesting little tool I found is the ThingaMeJig: pretty much a scribing tool on steroids. The next item that caught my eye was the Systainer booth. You may have seen a Systainer container and not known it. All of the Festool tools are packaged in systainers. The design and engineering that has gone into this modular, incredibly flexible, and endlessly customizable container system is brilliant, but not cheap.

The first product that seriously made me consider opening my wallet to take advantage of a show special was the Senco Fusion F-18 cordless nail gun, especially for two features: it can shoot 18-gauge finish nails, and Senco has a gas cartridge that never needs to be replaced. A charged battery is all that the gun needs to work. The thought of not having to lug a compressor and air hose into a client's home made it very tempting.

I have always had a fondness for well engineered layout tools — squares, straightedges, levels, and the like. So no surprise the Maya Posi-Stop booth caught my eye. We have an older CTD saw we use for cutting rough lumber to smaller lengths. I want to upgrade the fence system so we can cut all our face frame and door material to final lengths on this saw, rather than cart everything to the one chop saw in the shop with an accurate fence system. A 12 fence and a Model 1 stop should do the trick. **CWB**

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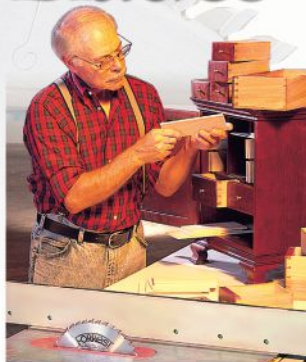
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IWF 2012



Martin T75 Table Saw's blade wings to tilt in two directions. It won a Challengers Award.

Challengers 2012

Seven winners for the 2012 IWF Challengers Awards were announced Aug. 22 during IWF, drawn from 80 entrants.

Martin T75 Sliding Table Saw: The T75 tilting blade can be tilted to both sides, while still retaining the capability to reach a cutting height of 8 inches. Changing the blade size lets it score and do other functions in cutting solid wood or panels.

Frontino, Häfele America: Frontino sliding door hardware lets doors open in close spaces, where there's no room to swing open. Sliding doors sit flush, sharing the same track, but riding over each other. Frontino can be used on upper or base cabinetry or in furniture. "We've gotten a phenomenal response to it," says Häfele's Mae Holler, product marketing manager.

Extra Plus Aggregate Head, Techniks Inc.: After Techniks worked with door manufacturers to raise productivity in mortising on the CNC, it built the Extra Plus Aggregate Head. The tool oscillates to increase material removal, cutting time needed to mortise deep pockets. It is aimed at the architectural millwork, drawer, door, window and furniture markets or "anything joined together and using deep pockets," said Greg Webb, VP sales.

Solid-CIM 3D, CIM Tech: Automatic Feature Recognition works directly on 3-D solids and 3-D solid assemblies to lay parts flat and identify machine operations. Nested programs for any CNC machine are created with a cutlist with all the parts.

Prisma 6000 ECotech, Giben America Inc.: This panel saw cuts power consumption 35 percent, says Mark Craig, Giben GM. "We started looking at the technology available and decided to...create an electric hybrid," he said.

HPI Gloss Control UV Curing, Miltec: Miltec UV's new HPI Gloss Control UV Curing System eliminates the need for down-time by allowing use of only one UV final topcoat for all gloss ranges from 30 to 80 gloss units, depending on the UV coating formulation. It is applicable to any type of wood finishing process with a top coat and where a gloss is needed. The primary market is for hardwood flooring and the kitchen and bath industry.

Cameron Flooring Nester, James L. Taylor: It increases bundling quality in flooring production using laser measuring, a sorting mechanism. It tallies material automatically, too. **CWB**

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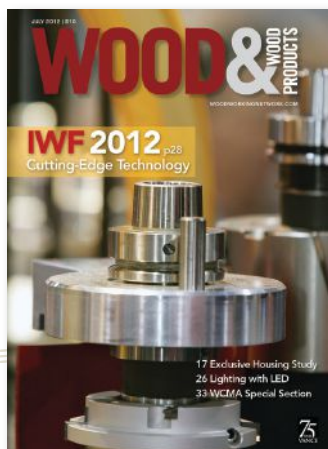


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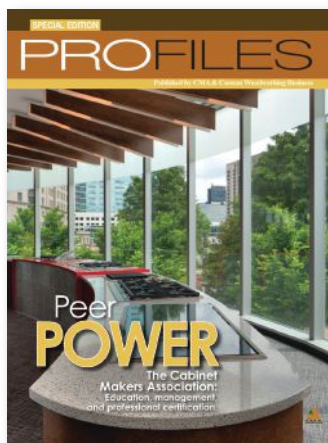
<< Wood & Wood Products

This July 2012 issue captured the growing excitement during the run up to IWF 2012, plus new products introductions and announcements.



<< Video Reports

In on-the-spot attendee interviews, close-ups of new products and equipment in action, Woodworking Network captured IWF 2012 as Official Videographer.



<< CMA: The Cabinet Makers Association Peer Power

The Cabinet Makers Association delivers education, certification and peer-to-peer sharing.

>> Custom Woodworking Business

New product introductions for woodworkers were detailed in CWB's July 2012 issue.



>> IWF Technology Innovations

Snapshots of panel processing, assembly, finishing and sanding, solid wood machining, tooling and software.



>> IWF Supply Innovations

Lumber, veneer, edge-banding, wood components and materials were the focus of this July 2012 digital publication.



>> Challengers Competition

Find 80 entrants and 21 finalists profiled in the Official IWF Challengers Award publication for the woodworking industry's technology competition.



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WOOD

OF THE MONTH

oct 2012

Pacific Maple

Big Leaf and Soft

By Jo-Ann Kaiser

Pacific Coast maple — *Acer macrophyllum* — goes by a variety of terms, among them big leaf maple and Oregon maple, but by any name the domestic hardwood is known as the soft maple of the Western United States and Canada. This “big leaf” maple is a wood of importance in the Pacific Northwest, second to red alder among hardwood species in abundance and commercial importance.

The species has a wide range of uses, including as a substitute for cherry. Pacific Coast maple is used for many of the classic applications for hardwoods, such as cabinets, furniture, mouldings and flooring. It is also used for countertops, paint brush handles, picture frames, gift boxes and coat hangers. The highly figured maple is used for the manufacture of electric guitar bodies and other musical instruments.

Commercial Appeal

The wood is one of the few commercial hardwood species on the Pacific Coast and the only commercial maple of note on the West Coast. Small compared to its conifer associates, most mature big leaf maples are 50 to 60 feet tall, although large trees can reach heights of 100 feet with diameters of 36 to 48 in. The name big leaf maple comes from the fact that its leaves are typically 12 inches across, although some can have widths of 24 inches. Big leaf maple is an excellent shade tree.

While the East Coast maples are the more predominantly used wood for maple syrup, the sap from Pacific Coast maples also can be made into syrup. Considered to be moderately long-lived, some of the Pacific Coast maples live to 300 years of age.

Most of the estimated volume of standing saw timber in the United States is found in Washington and Oregon, while in Canada, big leaf/Pacific Coast maple is predominant in British Columbia. The name “Pacific Coast” also comes from the fact that the trees often grow near the ocean and rarely more than 186 miles inland.

Article excerpted from Wood of the Month archives.



★ FAMILY NAMES

ACER MACROPHYLLUM OF THE FAMILY ACERACEAE

★ OTHER NAMES

PACIFIC COAST MAPLE, BIG LEAF MAPLE, PACIFIC MAPLE, OREGON MAPLE

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To view more doors, drawers and additional wood components, visit WoodworkingNetwork.com/directories

Door Finishing Program

Valley Oak Cabinet Doors expanded its finishing program to include a wide variety of painted products known as the Artisan Line, including seven colors and two glaze options for each color. The new painted finishes are applied to maple framing and MDF panels on all raised panel designs. (800) 592-5266 ValleyOakCabinetDoors.com

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Transitional Wood Shaker

Northern Contours announces a new series of transitional wood shakers to its custom wood door product line. Wider stiles and rails combined with straight grain veneer panels provide a modern appeal. All panels are reverse-raised for added stability and manufactured with either straight grain or plain sliced veneer on an engineered core. Available in cherry, maple, red oak, quartered white oak and black walnut. (866) 344-8132, NorthernContours.com

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Left to right: Conestoga, Indaux and Hettich

and slab drawer fronts. Profile selections include some of Conestoga's most popular framing beads, panel raises and edge profiles. (800) 964-3667 ConestogaWood.com

Customizable Drawer System

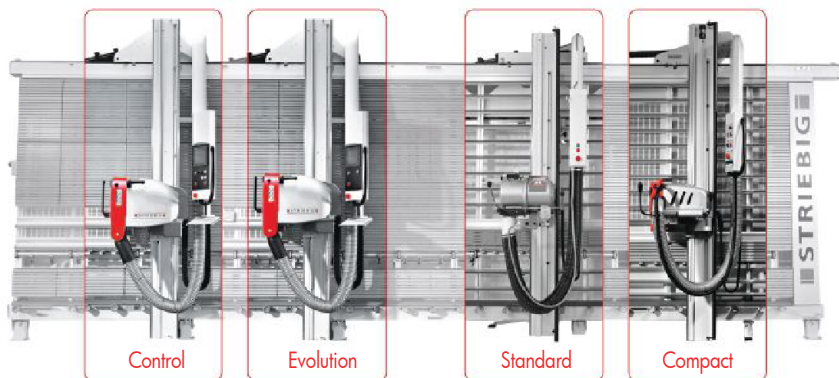
Hettich America's ArciTech Drawer System, features two drawer profile heights, six rear panel heights, railings, steel TopSides and

DesignSides, each in two heights, as well as a low side-profile and rear-panel height for special applications. ArciTech features the Actro runner, offering soft closure and stability. Runners have 40 kg, 60 kg and 80 kg loading categories and use the same carcass drill-hole pattern throughout. (800) 777-3733 Hettich.com/us

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Pipe Chase Dovetail Drawer

Waterville Woodcraft's new options for dovetail drawers include a pipe chase drawer. Especially designed to fit any pipe chase, the custom sized piece from Waterville is dovetailed and ready to install. A drawing is requested when a customer sends in an order directly to customer service or on line through the website. (819) 837-2476 WatervilleWoodcraft.com

Double Wall Drawer

INDAUX'S offers a double wall drawer system with progressive action in three different heights. ARIANE is its newest product in that line. It comes standard with a 125 lbs dynamic load capacity, the lowest pullforce to open the integrated soft close system and is available in three different heights 84mm (3-1/2 in.), 116mm (5 in.) and 172mm (6-3/4 in.). (336) 210-3965 Indaux.com

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Decore-ative Specialties offers a comprehensive designer frame program, providing products from square-edge and beaded frames, to high-end inset molding frames. The items are available in a variety of materials, 13 unique frame edges, assembled or unassembled, finished or unfinished. (800) 729-7277 Decore.com **CWB**

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Veneer Resources Return to Show

Veneer companies appear at IWF 2012.

Veneer sources found at the International Woodworking Fair included more than two dozen companies, though most products target industrial, not custom, wood production.

Veneer has been facing challenges for years from decorative laminates, which have upped the ante with more photorealistic reproduction, and, more recently, textured surfaces to mimic tactile qualities of veneer.

Veneer is also a victim of design trends, bumped in the design phase if clients turn to painted surfaces, or plastic and metal laminates.

At IWF, M. Bohlke Veneer put a tree on display, symbolizing its commitment to FSC

certified sourcing and its extensive line of veneers. Bohlke notes that it has been prepared for the recent rise in popularity, offering bamboo veneer (including FSC certified) in caramel (darker) and natural (lighter), and in flat cut with a wide grain 3/4-inch pattern and quarter cut in a narrower grain of 1/4-inch.

Veneer Tech, Elias Woodwork and Edgeco also showed veneer at IWF. Edgeco offers wood veneer edgebanding in over 30 species, pre-finished, and in a range of widths. It can be ordered custom stained, and in thicknesses of 1, 2 and 3 mm. Veneer sheets are also offered.

Elias Woodwork offers pressure sensitive veneer, unfinished or custom prefinished. Veneer is affixed to 3M peel and stick backer,

which Elias says results in a permanent bond to most surfaces. It is available in 2-foot by 8-foot sheets. Paperback veneer comes in 4-foot by 8-foot sheets, in dozens of species both domestic and exotic.

Moulded Applications

An interesting sidenote: Danzer veneers, well known in architectural interior applications, also makes a deep-draw 3-D veneer. Moulded parts made of 3-D veneer or parts coated with 3-D veneer have a closed surface. Formed mats are very strong due to their three-dimensionality. You can buy it online as a covering for iPad2 direct from danzershop.com.

For more information on veneer, visit Redbookonline.com. **CWB**



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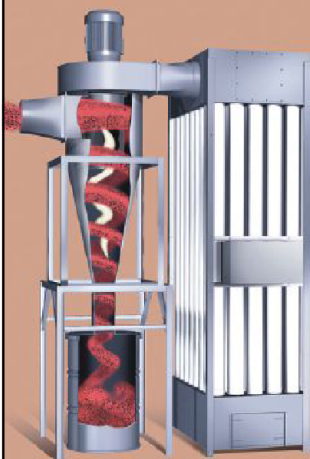
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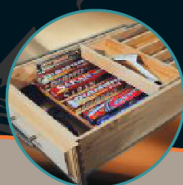
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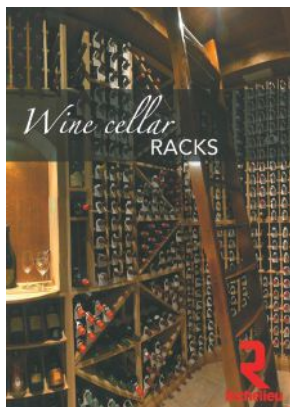
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Richelieu introduces a new line of wine cellar components. The modular line offers a wide range of ready-to-assemble components for creating multiple configurations designed to make optimal use of any space. Each module offers a selection of racks in mold-resistant poplar wood, designed for long-term storage of a variety of bottle sizes. (800) 619-5446 Richelieu.com



^ NOISE REDUCING INTERIOR WALL SYSTEMS

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Abet Laminati introduces the Silentwall Interior Wall System. The system offers a wide selection of finishes with semi-custom panel dimensions and a variety of aluminum profiles designed to offer flexibility in function and design for vertical or horizontal installations. Silentwall is a noise-reducing panel designed to absorb noises in rooms with high traffic or a high level of background disturbance. System features include a 5/16-in. thick high-density fiberboard core with more than 500 colors and patterns available. (800) 228-2238 AbetLaminati.com



^ RECLAIMED RUSSIAN SPRUCE PANELING

Viridian Wood Products

Viridian introduces its Siberian Spruce paneling line milled from reclaimed Russian crating material. Siberian Spruce, a mix of slow-growing spruce and pine from subarctic Russia, is available in 5/8 in. or 3/4 in. thicknesses, with a face width of 3 ft, and in random lengths from 4 ft – 8 ft. The material, which offers the rustic look of an Alpine lodge, has a light yellow color, suitable for contemporary installations as well. Viridian offers it prefinished and in custom stains and profiles. (877) 909-WOOD ViridianWood.com



PEEL & STICK DOOR SKINS

Outwater Plastics Industries Inc.

Outwater Plastics' peel and stick MirroFlex Door Skins adhere to existing flat panel doors for a new look without the cost or time that it would take to install new doors and offers an environmentally friendly option. Outwater's MirroFlex Door Skins are offered in many different finishes, including light oak, medium oak, light maple, chestnut apple, espresso apple, light cherry, medium cherry, light walnut, medium walnut, dark walnut and wenge. (800) 631-8375 OutwaterCatalogs.com

^ CORNER CABINET KITS

Gingrich Woodcraft Inc.

Gingrich introduces the Corner Cabinet Kit, a unit designed to fit into the kitchen corner, replacing lazy Susan shelves with corner drawers. The kit is available for 36-in. or 39-in. corner spaces and can be assembled with face frame or without. Dovetail corner drawers have various back corner options and can be prefinished. The cabinet kit does not include drawer hardware or a cabinet base. (877) 368-8245 WoodworkingNetwork.com/Gingrich.



EDGEBANDERS WITH HYBRID GLUE TECHNOLOGY

Holz-Her US Inc., Div. of Weinig

Holz-Her introduces the new ARCUS range of CNC edgebanders designed and built for every level of production. These machines feature servo-controlled programmable adjustments for working units, which allow easy programming and repeatable setups in seconds. They also feature a Power PC Control System with color graphics designed to make programming easy. (704) 587-3400 HolzHer.com



TWO-PART GLUE MIXING STAND

Smartech Intl LP

Smartech Intl LP introduces the Steady|Mix, which is designed to eliminate fatigue and guesswork when mixing two-part adhesives for 3-D lamination. Adjustable for 1- to 5-gal mixing jobs, the Steady|Mix ensures the hardener will be steadily and consistently added to the adhesive for optimal performance. The system can be used for other mixing applications as well. (704) 362-1922 SmartechOnline.com



CORDLESS JIG SAW

Milwaukee Electric Tool Corp.

Featuring a new hybrid grip design, the M12 jig saw from Milwaukee Electric Tool Corp. combines the best features from both top handle and barrel grip jig saw designs to provide cut control and balance. It is 4.1 lbs and 8.75 in. long. Powered by M12 red lithium battery technology, the M12 jig saw 3/4-in. stroke length and 0-2,800 SPM variable speed trigger deliver fast and accurate cuts in multiple materials. (800) 729-3878 MilwaukeeTool.com

USER-FRIENDLY CNC CARVING MACHINE

General Intl

General introduces the Model i-Carver 40-915X, 15 in. by 20 in. CNC Carving Machine. The CNC carving machine features an easy start-up procedure and a large, user-friendly control panel with LCD display, keypad and USB 2.0 port for easy file transfers, and uses a pendant style hand-held controller and i-Picture programming software. The carver has variable cutting speeds up to 118 in. per minute and a positional accuracy up to 0.001 in. with a 500W spindle included with automatic spindle on/off control. (514) 326-1161

General.ca



TOOL & END MILL SHARPENER

Conquest Industries

Conquest's Cuttermaster Tool & End Mill Sharpener offers the versatility and rigidity of a full-size universal tool and cutter grinder in one machine, allowing users to sharpen tools in-house. The Cuttermaster Tool & End Mill can be used for cutting and sharpening end mills with the capacity of sharpening drill bits. Benefits of in-house tool sharpening include eliminating regrind bills and the ability to keep machine tools running constantly. (800) 368-2278 ConquestInd.com

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^ METAL SPRING SAWHORSE CLIPS

Rockler Woodworking and Hardware

Rockler introduces Sawhorse Clips for Bench Cookie Plus Work Grippers, a new accessory that enables users to create a no-slip, non-marring work surface anywhere it is needed. The metal spring Sawhorse Clips are mated with Bench Cookies (46902, sold separately) with included pan-head screws and allow users to accommodate any size or shape of lumber or other workpieces that may be laid across sawhorses. (877) ROCKLER Rockler.com



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POWER/DATA GROMMET WITH WIRELESS CHARGING

Doug Mockett & Co.

Doug Mockett & Co. introduces the Model PCS54WC Recessed Power/Data Grommet with Wireless Charging. It is designed with a power grid station built into the lid, which allows users to rest mobile devices on top to begin automatic charging. The stripes on the lid are the charging elements. The universal adapters work with virtually every type of electronic device and the charging station on the top-side of the lid eliminates access interference or limited access with the other power and data components within the unit, which include two 110V electrical outlets and two Category 5E data modules. (800) 523-1269 Mockett.com/Furniture-Hardware

Mid Century & Danish Modern Legs



^ MID-CENTURY MODERN TABLE LEGS

Classic Designs by Matthew Burak

Classic Designs announces the addition of new furniture legs for mid-century décor, tripling its line of retro-style legs. The new additions include three period-correct style options in eight wood species and heights from 4 to 29 in., including the McCobb series of straight tapered legs, the Wegner collection of Danish Modern style curve-tapering legs in eight heights up to standard dining table height and the Lasdun collection of nine short tapered feet designed for use under case pieces and sofas. (800) 843-7405 TableLegs.com

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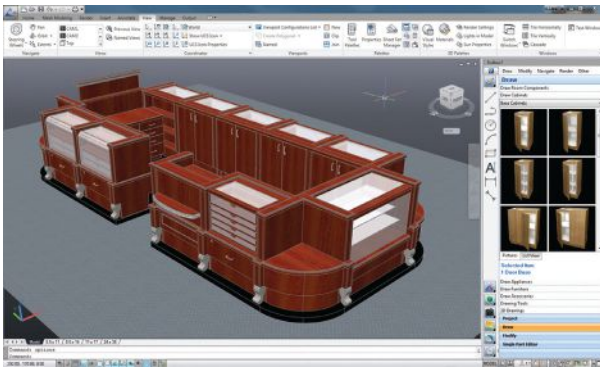
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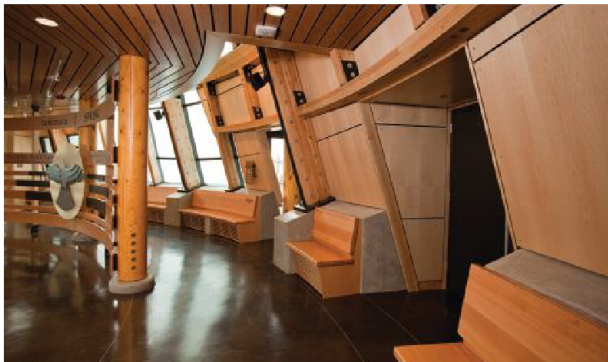
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OGB Architectural Millwork, Albuquerque, NM, received an honorable mention in the architectural millwork category in the 19th Custom Woodworking Business Design Portfolio awards. Enter the 20th annual contest at WoodworkingNetwork.com/designportfolio.

Submit Your Best Project

by Michaelle Bradford

Custom Woodworking Business is seeking entries for its 20th annual Design Portfolio awards. Submissions are now accepted at WoodworkingNetwork.com/designportfolio.

Winners in each category will be featured in a special December digital publication as well as in the January 2013 print issue of *Custom Woodworking Business*, and will be recognized at the debut of the new Cabinets & Closets Conference & Expo, held February 27 - March 1, 2013 in Edison, NJ. Also, entrants will be featured in Woodworking Network's Facebook album as well as on our web site in slideshows and feature articles.

Contest categories include:

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- Commercial Projects
- Closets
- Solid Surface

Susan Gelwicks Thompson of The Closet Designer, advises custom cabinet and closets companies to enter design competitions to leverage their marketing programs.



How It Works

The Custom Woodworking Business Design Portfolio Awards are given each year to honor custom woodworkers for their outstanding craftsmanship.

To enter submit photos of your projects that fit into the above categories. All projects entered must have been completed after Jan. 1, 2011, and must have been built for an outside customers. The submission deadline is Nov. 1.

For more information, visit WoodworkingNetwork.com/designportfolio. **CWB**

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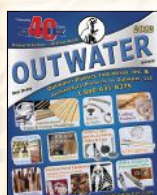
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Fine Wood as Fine Art

Rail Yard Studios reclaims 19th century hardwood railroad ties as functional fine art.

by Bill Esler

Thousands of seasoned crossties of oak, hickory, walnut, cherry and other hardwoods are discarded each year, rejected as seconds during the late 19th and early 20th centuries — too warped or cracked to provide solid footing for railroad cars — or pulled out during railroad track maintenance after a century of service. They were burned or left to rot.

Any lover of fine lumber can identify with Robert Hendrick's pain at such wanton destruction. Hendrick's response: salvage the fine wood for practical use in custom furnishings that cross the line between art and craft.

Hendrick, who owns a rail line maintenance company, established Rail Yard Studios with a mission to save railroad materials with a documentable history. He creates furniture-as-art for homes and offices — desks, coffee/end tables, chairs, beds, wine/coat racks, etc.

Art on the Floor

The railroad ties and rails date back as far as 1898. Each furniture-as-art piece is individually numbered with a scavenged railroad date nail. (Railroad crossties used to be marked with a date nail to indicate the year of production.) The Rail Yard Studios' work is seen in galleries and art competitions in Atlanta, Nashville, Chattanooga and Chicago.

"We get many questions about our timbers — their source and their safety," Hendrick explains. "We do not use creosoted ties. We use only new ties that have not yet been treated in any way."

The timbers were "culled" as seconds, marked and destined for the furnace before being intercepted by Hendrick.

"We stain some ties to give them color, and we seal all of the ties with finishes," he says. The bed shown here has walnut posts



Railroad crossties of solid walnut form the posts on this bed, with solid hickory along the head of the bed. It is finished in low-VOC golden oak stain and spar urethane.

combined with hickory for the portion running along the head of the bed. It is finished with a golden oak stain and spar urethane — both low-VOC.

"Using exterior urethane helps to smooth down some of the roughness inherent in the timbers from their being air dried, and allows us to maintain that rough characteristic," Hendrick says.

The wine rack featured on the table of contents in this issue is hickory finished in golden oak stain with spar urethane. The rack featured on the cover is a white oak timber finished with a provincial stain and spar urethane.

These ties were singled out because of excessive knots, splits, warps or other imperfections. While those features make the ties less than ideal for running 180,000

pound rail cars over, "they also add great character to our pieces," Hendrick says. "The imperfections are beautiful; they're what make the woods interesting."

Hendrick holds a masters degree in Industrial Design from The Ohio State University. After school he pursued technology and industrial entrepreneurial opportunities, never expecting to return to design, especially after acquiring a railroad contracting firm in 2001. After picking up the love of wood from his father Jim, the two launched Rail Yard Studios in 2010.

"With a demand for authenticity, we insist that only railroad materials be integrated into a design," Hendrick says. His products are branded Made in the USA, "crafted in large part by the same hands that work the railroad on a daily basis," he says. **CWB**

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