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# CORDED POWER TOOLS

## AS CORDLESS TOOLS EXPAND THEIR REACH, CORDED TOOLS UP THEIR GAME

It is easy to get excited as cordless mag drills, miter saws and grinders achieve new levels of power and runtime, but when production can't stop and jobs are toughest, professionals expect their corded tools to provide power to spare and maximum reliability under the harshest loads. These eight leading tool manufacturers are delivering just what the customer ordered.

### DEWALT

With all the attention paid to saws and drills, it is easy to forget the importance of sanders. Recognizing this, DeWalt's new five-inch model DWE6423K variable speed random orbit sander is the first of a new line and features a separate counterweight that provides comfort and control for smooth finishes.



The DeWalt model DWE6423K five-inch variable speed random orbit sander has a separate counterweight that provides the user with comfort and control, leading to a smooth finish.

An expanded rubber over-mold increases user comfort and a rubber dust skirt which minimizes dust escaping around the pad. The dust collection port has a one-handed locking dust bag that works with the model DWV012 and DWV010 DeWalt Dust Extractors and the optional Universal Connector System.

"Weighing 2.9 pounds, the DWE6423K is a powerful three-amp tool that delivers 8,000 to 12,000 opm on a 3/32-inch orbit," explains DeWalt product manager Jeff Beck. "Plus, its compact 140mm tall body allows the user to get closer to the sanding surface for better control and easier sanding projects."

Also in answer to user calls for dedicated products, DeWalt has just released four new SDS rotary hammers ranging from 7/8 to 1 1/8 inches for the plumbing, electrical, forming, HVAC and other concrete-related trades.

"Leading the new rotary hammer collection is the 1 1/8-inch SDS Hammer, model D25263K, which has 15 percent faster drilling speed, on average, when compared to the Bosch Bulldog Extreme Max (RH228VC) when drilling 5/8- by 3-inch holes," Beck claims. "An 8.5-amp high-performance motor delivers 0-1,450 rpm and 0-5,350 bpm with 3.0 joules of impact energy."

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*CS Unitec's END 712 P high-speed, wet core drill produces clean and accurate dowel, anchor and thru holes to 3/4 inch in diameter without shock or hammering, even in hard ceramic tiles and granite.*

The 1 1/8-inch D25263K also features three internal and three external rubber seals which help protect the unit from dust and debris and provide DeWalt-level durability. At 6.8 pounds, with SHOCKS vibration control and a vibration-reducing side handle, this unit limits vibration felt by the user at the handle to 9.8 m/s<sup>2</sup> for optimal user comfort.



## CS UNITEC

CS Unitec bills its 'Mini' diamond drill as the contractor's solution to minimizing blow-out and cracks when drilling through tile, natural stone and concrete. The model END 712 P high-speed, wet core drill quickly produces clean and accurate dowel, anchor and thru holes without shock or hammering.



CARROLL

"Ideal for counter tops, plumbing and other masonry applications, the END 712 P drills precise holes up to 3/4-inch diameter even in hard ceramic 'grès' tiles and granite," states Tom Carroll, president of CS Unitec. "It has a variable speed of 0 - 8,000 rpm for easy starting and fast drilling."

Special water-cooled diamond bits are available from 5/32 to 3/4 inches. The END 712 P has a built-in water swivel with water flow valve. A "click and go" keyless chuck makes changing the bit easy. A depth gauge allows drilling blind holes for anchors. The six-amp motor has a built-in GFCI to protect against electric shock.

The END 712 PC Starter Kit includes the END 712 P drill; a centering device with template for

precise drilling; water suction hose; Gardena-Connector; 1/4-, 5/16- and 3/8-inch diamond wet drill bits, and a sharpening block. Also offered, is an optional water recycling vacuum, a wet/dry vacuum and a portable water tank accessory for use with the END 712 P.

## BOSCH

"The Bosch CM12SD 12-inch compound miter saw continues to bring innovation in the miter saw category with easier adjustment, greater capacity and better material support," states Bosch product manager Jim Stevens.

It starts with all-metal bevel locks that are convenient and easy to reach. The lever is located to the side, which eliminates the need to reach behind the saw to make adjustments. The Bosch-exclusive quick-select turret bevel detent system offers common detents at 22.5, 33.9, 45 and 47 degrees, a feature that boasts more accurate settings for better precision. Bevel and miter scales are scribed on all metal faces for easy legibility.

The Bosch CM12SD compound miter saw offers the greatest cutting capacity of any Bosch saw with ranges from 3 1/2 x 14 inches (4x14), crosscut to 6 3/4-inch base against fence, plus 6 1/2-inch crown molding at 45 degrees.

Similar to other Bosch miter saws, integrated base extensions on the Bosch CM12SD support the work piece and make transportation easier. The Bosch CM12SD is 24 inches wide when retracted and expands up to 39 inches for added material support.

The up-front miter lock requires a simple 1/3 turn for quick lock or unlock. The miter detent overrides with thumb action for easy and precise settings of any neighboring angles to the miter detents. The saw miteres 52 degrees left and 60 degrees right for maximum versatility.

A 4 3/4-inch fence supports material for accurate cuts

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*The Bosch CM12SD compound miter saw delivers the largest capacity of any Bosch saw: 3 1/2- x 14-inch (4x14) crosscut, 6 3/4-inch base against fence, plus 6 1/2-inch crown molding at 45 degrees.*

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and easy bevel setup. It adjusts and removes quickly for professional applications. Machined cast-in fence scales enable repetitive cuts with ease.

“We built the Bosch CM12SD compound miter saw to the specifications of users,” Stevens says. “They told us what they wanted in a next-generation, best-in-class sliding compound miter, and we listened. This is a customer-focused tool.”

**MAKITA**

Contractors are seeking power tools that can deliver both increased productivity and increased comfort. With Anti-Vibration Technology (AVT), Makita is creating power tools that work harder and vibrate less, providing a smart and productive solution that’s better for the tool user.

“Makita’s most recent enhancement of AVT is real power tool innovation with an even stronger stance on vibration reduction — and it’s changing the way contractors

*Makita Anti-Vibration Technology (AVT) is more than just a padded handle – it’s an internal counterbalance system engineered inside the tool for significant vibration reduction without compromising performance.*



work,” says David Fernandez, product manager, Metal Working & Concrete Products, Makita U.S.A.

“Advanced AVT is more than a padded or spring-loaded handle. It’s synchronized technology that is engineered into the tool, which more effectively reduces vibration. As a result, the 1 9/16-inch Advanced AVT Rotary Hammer (HR4013C) and two-inch Advanced AVT Rotary Hammer (HR5212C) have the lowest vibration ratings in their categories, with no compromise in speed and impact energy.”

Advanced AVT is a synchronized, three-component system. First, the air-actuated counterbalance moves

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in the opposite direction of the drive piston to actively reduce vibration. Second, the integrated damper spring at the base of the impact bolt is engineered to absorb impact vibrations from the drill bit. The third component is a vibration-absorbing housing with a spring-loaded main handle and upper housing that move independently of the motor to reduce vibration.

“These are the world’s first rotary hammers to isolate both the rear and side handle, and they are giving contractors industrial performance with unmatched vibration reduction,” Fernandez states.

In the saw category, the combination of power and blade speed can also mean excessive vibration on the user, so Makita has applied AVT to a reciprocating saw for reduced vibration in cutting and demolition applications.

“The Makita 15-amp AVT Recipro Saw combines best-in-class industrial performance with the exclusive AVT counterbalance system inside the tool for significantly less vibration on the user — while delivering more efficient cutting power,” Fernandez concludes.

G&J Hall’s FRV (Forward, Reverse and Variable-speed) Powerbor mag drills feature durable Eibenstock motors, and handle drilling jobs up to four inches in diameter.



### G&J HALL TOOL

G&J Hall Tools is a leading global manufacturer of electromagnetic drills (mag drills) and annular cutters. Hall has been in the industrial tool business for over 100 years and sells into over 70 countries. Manufacturing and global sales are located in Sheffield, England, and the American operations are in St. Louis, Mo.

“G&J Hall has the most extensive range of mag drills available, including 14 models of Powerbor drills and three Revo drills,” begins Jerry Hilf, vice president of G&J Hall  
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## YAMAHA POWER PRODUCTS

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G&J Hall's affordably-priced REVO mag drills are designed for drilling jobs up to two inches in diameter. Coolant systems are standard on most models, as is a two-year warranty.



Tools, Inc. "The best quality Powerbor machines are very recognizable with their yellow and black colors, and have a drilling range up to four inches in diameter."

Some of the unique features of these machines include top-quality performance and durability with Eibenstock motor units, FRV (Forward, Reverse and Variable speed) machines, and FRV drills that can tap without the need for a tapping head. Powerbor units also feature two-year warranties.

Revo mag drills, colored blue and grey, are designed for the tradesman, with drilling capacities to two inches in diameter. Some Revo features are low profile drills for tight areas, standard coolant systems on most models, two-year warranties and economical pricing for tradesmen.

"All G&J Hall machines use industry standard Weldon end annular cutters," Hilf adds. "Hall also offers the most extensive line of cutters in the industry. The range includes cutters made of HSS, Cobalt, TIN coated, TCT and Hall's proprietary Powerbor BluMax cutter. The Powerbor BluMax cutter is an extremely high performance cutter."

"Because of their unique forward, reverse and variable speed feature, many G&J Hall machines are capable of using our 2-in-1 drill tap, with a standard Weldon end fitting, which eliminates the need for a tapping head or multi-piece tap kits. Other special tools include Weldon end step drills."

## METABO

Metabo introduced its first five-inch "Flat Head" angle grinder 18 months ago which quickly became accepted as the go-to tool for grinding, cutting and finishing in tight confined spaces. Due to the unique design of the gear head, the Flat Head grinder can reach into included angles as low as 43 degrees, or narrow spaces as tight as 2 5/8 inches. This design allows users to work more efficiently and safely when operating a grinder in a confined area.



TUERK

"In March of this year, Metabo launched an entire new range of redesigned small angle grinders that boast up to 50 percent more torque, 20 percent more output power and 20 percent more overload capacity," says senior product manager Terry Tuerk. "The 22 new tools are built around a new, patented motor that allows for the development of higher power while meeting user demands for physically smaller tools. This motor concept is now being applied to four new versions of the Flat Head Grinder."

In October, Metabo will launch three new six-inch-capacity Flat Head grinders; one with a side locking switch (WEF15-150), a non-locking paddle switch version (WEPF15-150), and, due to increasing user demands for safer tools, a version with non-locking paddle switch and mechanical brake (WEPFB15-150) that stops the grinding accessory in under two seconds.

"The six-inch Flat Head angle grinders have increased power ratings of 13.5 amps (1,550 Watts) and the ability to reach into included angles as low as 39 degrees while maintaining the 2 5/8-inch clearance," Tuerk continues. "Electronics provide speed stabilization for highest productivity, soft start for user comfort, overload protection as well as electronic cutout to help reduce the likelihood of kickback in the event the accessory jams."

"Lastly, the new WEVF10-125 offers five-inch capacity, with increased torque and variable speed. The WEVF10-125 is targeted at the stainless steel hand rail and fabrication user who is grinding or finishing in restricted areas."

## SKILSAW

As the residential housing market returns, pros are seeing major change in the types of materials being used; driven by new demands from home buyers. Open interior spaces are in high demand which requires the use of larger, stronger trusses for proper support. These trusses

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Coming in October, Metabo's model WEPBF15-150 Flat Head grinder features a nonlocking paddle switch and a mechanical brake that stops the grinding accessory in under two seconds.



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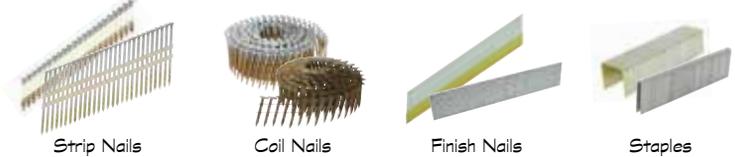
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SKILSAW's 10 1/4-inch "Sawsquatch" worm drive circular saw rips through 4x material in one pass. It features SKILSAW's largest dual-field motor with more torque for cutting larger and tougher building materials.



are made from a number of new materials, such as LVL, which are much larger than traditional lumber.

Home buyers are also asking for outdoor rooms which have increased the use of 4x cedar. All of these emerging trends, and others, are forcing pros to look for more efficient ways to cut larger materials.

"At SKILSAW, our mission is to provide the pro tradesman with the best cutting tools on the market," observes Roger Amrol, SKILSAW president. "We recently launched a 10 1/4-inch Worm Drive Saw, specifically designed to cut 4x material quickly and cleanly in one pass. The 'Sawsquatch' as we call it, is powered by our largest Dual-Field motor — a motor designed specifically for saws, and provides more torque for better performance to power through larger and tougher materials."

Another growing trend in residential construction is the use of engineered materials such as fiber cement or composite decking boards, which contain potentially harmful components. For example, cutting fiber cement creates fine silica dust that is hazardous if inhaled and the exposure to this dust is regulated by OSHA. This can make it difficult for users to cut these materials safely.

"At SKILSAW, we'll continue our mission of designing and producing the best saws to meet the industry's changing building requirements, regulations and user demands for productivity," Amrol notes.



AMROL

## FESTOOL

"Armed with the most advanced motor technology and every feature you have come to expect from Festool, plus many more never imagined, the Carvex jigsaws will shatter all expectations," claims Festool's Michael Clark. "Conquer any scribe line and curve with ease thanks to the robust blade guidance system that makes blade drift and deflection a thing of the past. Carvex jigsaws feature a revolutionary base-changing system that adapts to any application, multiplying the capabilities of your jigsaw. Perfect visibility of the cut line is enhanced by the quad-LED, stroboscopic system that penetrates through darkness and dust."

The Carvex PS 420 EBQ Jigsaw's variable speed blade reaches a maximum 3,800 strokes per minute. The saw has triple blade guidance for perfectly perpendicular cuts and splinter guards for tear-free cuts. It's stroboscopic high-intensity LEDs ensure high blade visibility and its brushless motor technology gives the tool less weight, more power and longer service life.

"Drywall sanding used to be a messy, labor intensive task but not any longer with the new Festool PLANEX drywall sander," Clark adds. "The PLANEX features a modular design, exceptional dust collection, robust built quality, great ergonomics and offers quick return on investment."

The PLANEX offers two lengths in one machine and easily extends or retracts in seconds. It has two-speed gears for efficient, rapid material removal on walls and ceilings and robust, reliable drive com-

ponents. It also has efficient power transfer and adjustable suction power that decreases the perceived weight of the machine. The PLANEX carries a three-year warranty. **CS**

*Festool's Carvex PS 420 EBQ Jigsaw has a variable speed, brushless motor that reaches 3,800 strokes per minute, high-intensity LEDs for visibility and triple blade guidance for true cuts.*



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