

The German engineered and manufactured BeA model 14/40-770C shoots 16/17 gauge staples up to 1 5/8 inches in length. It is available in single-shot or bump-fire versions.

# STAPLERS

## FROM MULTI-PURPOSE TO SPECIALTY TOOLS, THESE GUNS WILL TRAVEL

s the materials in use on job sites change, so too do the tools needed to work with them. As in the case of fasteners, nailers and staplers too must be able to deliver higher driving forces — while still offering the ergonomics and reliability that contractors expect. Whether for general framing, manufacturing or highly specialized tasks, these 12 companies are bringing the best and fastest guns to the job site and the plant.

#### **BEA FASTENERS USA**

Over the past few years, construction activity and industrial output have maintained a sustainable pace. While for a few years, retooling was not at the core of industry thinking, the repair rather than replace approach

— followed by low-cost tools — has been replaced by a renewed end-user preference for quality tools.

BeA's operational principles are founded on its heritage of developing and manufacturing tools in Germany. The product development process includes the direct involvement of customer stake holders: service-staff, distributors and end-users. They expect a BeA product to endure the constant abuse thrown at it, be repairable and not be a "throw-away" product.

"BeA's keen focus on these user expectations has allowed us to introduce many successful tools in recent years, tools that are purpose-built for professionals and will last on the job site and in the factory," says Sebastian Rissmann, president of BeA Fasteners USA. "Based on these proven concepts, BeA has developed a modular approach to new product design that ensures that a new pneumatic stapler will be every bit as tough as its predecessor. It also enables BeA to quickly develop new tools with a considerably shorter time to market.

"The first new tool, the popular model 14/50-785C 16/17 gauge stapler introduced in 2012, laid the foundation for the modular approach in design," Rissmann adds. "Now an entire family of 'heavy-wire' tools have been introduced, including the 785's little brother, the model 14/40-770C for 16/17-gauge staples up to 1 5/8 inches; the new model 145/40-779C 1-inch wide-crown tool (also for fasteners up to up to 1 5/8 inches); and the quick and powerful new model 180/50-786C 15-gauge tool. Coming soon is a tool for up to 2-inch staples. An available optional "booster-kit" allows the tools to be quickly converted for even more power and drive, an efficient and economical way to increase penetration force and cycling speeds."

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A marvel of continual refinement and evolution, the high performance range of FASCO® brand staplers, nailers and specialty tools combine distinctive style with speed, agility and endurance.



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The Apach LU-216LC1 16-gauge medium crown stapler from Axxis fires both SENCO and Duo-Fast type staples from 1 to 2 inches in length. It weighs 4.8 pounds and can fire up to 13 staples per second.

#### **AXXIS US**

As construction continues to rebound though 2017, Axxis expects to see a return in the need for quality 16-gauge staplers, which are still the crown jewels for construction and manufacturing stapling needs.



"The LU-216LC1 16-gauge medium crown stapler accepts SENCO and Duo-Fast type staples, ranging from 1- to 2-inch leg lengths," says Adam Wahrhaftig, Axxis marketing director. Weighing 4.8 pounds, the tool feels well balanced and light in your

hands. Its high-speed operation and extended two-finger trigger can fire up to 13 staples per second."

Tool-free depth of drive adjustment, along with a quick release nose, will keep users running at full speed. The magazine top loads and allows users to view the fastener quantity remaining. The slim, long nose gives a clear line of sight and easy access to tight spots.

Apach wide crown staplers are available in three versions and each shoots up to a 1 1/2-inch leg staple. The LU-2438.1 fires Paslode GSW 16-gauge wide crown staples. The LU-2538.1 accepts Bostitch 16S2 type staples, and the LU-2638.1 uses SENCO P and Duo-Fast 1700 type. Each tool is well balanced and weigh just 5.3 pounds. A quick-release nose cover allows for easy clearing of jams. A sequential trigger is available to order.

"Our tools are all supported by Complete Fasteners (an Axxis company), which offers a full line of interchangeable staples ranging from narrow and medium to wide crown staples," Wahrhaftig continues. "Complete also offers premium fine wire, brads, finish nails and specialty fasteners such as hog rings, U-crown and stainless steel."

#### **DEWALT**

"Contractors value job-site reliability and system compatibility above all else, and DEWALT is answering that need with the new DCN890 Cordless Concrete Nailer." begins Phil Bolton, direct fastening product manager. "Launching in July of 2017, this tool is our first offering of an operationally propellant-free nailer designed for use in concrete and steel applications. Running on just

a DEWALT 20V MAX\* battery, the DCN890 eliminates the need for fuel cells, providing a consistent, powerful alternative to competitive gas concrete nailers that operates on the user's existing battery platform."

The DCN890 operates on a new internal mechanism that delivers impressive power with low noise and recoil. Variable power settings allow it to be adjusted for applications ranging from hollow block to hard concrete and steel.

"Unlike existing competitive concrete nailers, however, the DCN890 fires without a combustion or spring release event," Bolton says. "This makes it the quietest and lowest-recoiling competitive concrete nailer in the market, with an application speed comparable to that of a gas concrete nailer. These features make it a comfortable tool for extended use and an ideal solution for installations in occupied and noise-sensitive spaces."

The DCN890 has been designed to improve ease-of-use and serviceability, and is the only competitive concrete nailer with a field-serviceable driver blade, a quick and easy replacement that the user can complete in under two minutes. Since this fix does not require a trip to a service center, the DCN890 will help reduce downtime on the job site. Other features include dual, tool-free access points to clear jams, a driver stallrelease lever and LED lights.

The DCN890 will launch with a range of proprietary DEWALT fasteners, including Concrete, Steel and Hybrid pins in common lengths of .102, .120 and .145 inches and stepped diameters. Accessories will also be available at launch, including a pole tool and additional noses for mechanical clips and fixings.

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All new from DEWALT, the DCN890 Cordless Concrete Nailer dumps the fuel cell and runs on pure battery power. Variable power settings allow the DCN890 to be adjusted for applications ranging from hollow block to hard concrete and steel.







FASCO's F44AC CN 15W-PS65 15-degree wire- and plastic-coil nailer has a capacity of 200 to 400 nails and shoots 1- to 2 1/2-inch fasteners. It weighs 5.29 pounds and has a switchable trigger for single shot or bump-fire operation.

#### **FASCO AMERICA**

Fastener Group tools and fasteners.

"Labor shortages and higher costs continue to place limits on the construction industry being able to achieve its full potential, causing an increased need for tools that maximize the output of each labor hour and minimize overall cost," states Brett McCutcheon, general manager of FASCO America, master distributor for BECK



"Versatility is therefore in high demand from contractors who need to get more from their tools. With this in mind, the new FASCO F60A CN15W-PS90 SCR 3 1/2-inch Coil Construction Framing Tool takes nails as well as SCRAIL fasteners, in both wire coil or 15-degree sheet plastic coils. It features a wider nail range and is 10 percent lighter than its predecessor, the F6 AC.

"Another trend we see is a demand for products designed for specific applications such as fence stapling. FASCO has a tool for everyone in this niche, starting with the updated F46A FENCE 40-315 pneumatic tool. Featuring a nose specially designed for fencing, the F46A FENCE 40-315 has been completely redesigned for 2017 with a new body style, higher power, a new magazine and adjustable depth of drive."

The new FASCO F70G FENCE 40-315 Gas Fence Stapler requires no air line. This award-winning tool's FASCO fuel cell and powerful NiMh battery can countersink 1 9/16-inch fence staples in pressure treated lumber.

"A guiding principal of The BECK Fastener Group's innovation roadmap is to create the next generation of tools that will improve efficiency and yield time and labor **CONTINUED ON PAGE 58** 



# PAMFast Drives Screws Everywhere You Do.

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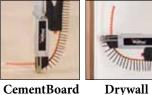
- Easy, consistent driving
- Floor and Decking Projects: Drive while standing
- Wall Applications: Tool easily converts to handheld

#### One Tool. Multiple Uses.























Hitachi's featurepacked model NT1850DE 18-gauge cordless brad nailer has a brushless motor and is powered by a compact 3.0 Ah Lithium-ion battery. It has an LED worklight and holds 100 5/8- to 2-inch fasteners.

savings without compromising quality," McCutcheon adds. "Be on the lookout soon for a new F44AC 0-degree coil siding nailer, which will create a system solution for the 0-degree siding market. Also on the near horizon is the F30AT 16 gauge bradder, a new feature-rich product that will expand the brad and pin tool lineup."

#### **HITACHI POWER TOOLS**

"There is no doubt that the housing market is driving in the fast lane now," begins Lucio Morales, Hitachi product



manager. "With the increased number of housing starts comes a significant increase in the number of personnel working on each job site. Rather than just two or three framing nailers hooked to a compressor, you see five or six attached.

"Also with the increased number of framing nailers working on the job site, you have an increase in the distance from the compressor as people scatter to work on different parts of the house simultaneously."

Hitachi recognized these trends and recently launched the UA3810AB 10-gallon ASME Reserve Air Tank. With the UA3810AB, not only do you automatically add an extra 10 gallons of air to the compressor, but since it's placed between the nailers and the compressor, it helps to keep nailers from losing psi over long hose runs.

With the improving economy, many people are choosing to invest in remodeling their current home rather than buy a new house. This has led to a new influx of remodelers back into the business, who are looking for as much convenience as they can get.

"Hitachi is meeting this need with the newly introduced line of cordless finish nailers," Morales says. "These have the speed and feel of a pneumatic nailer featuring Hitachi's unique air spring drive system that they are accustomed to with Hitachi's well known pneumatic nailers, but the hose and compressor are cut out of the equation.

"Remodelers can now go into a home and do almost any kind of remodel without having to drag a dirty compressor or hose all over the house, not to mention the disturbing noise factor. Stayed tuned for 'bigger' announcements to come this summer along these lines."



#### **MAKITA**

"Makita compressors are top performers in their categories, and now Makita has added to its pneumatic trim fastening system with five new models," begins Andrew Camp, product manager for residential construction. "The model AF63515-gauge, 34-degree 2 1/2-inch Angled Finish Nailer weighs only four pounds with a rear lock-and-load magazine that accepts standard 15-gauge "DA" style 1 1/4- to 2 1/2-inch angled finish nails. The nail lock-out mechanism protects the tool and work surface from dry-fires. It includes a two-mode selector switch for added convenience."

The 16-gauge model AF601 2 1/2-inch Straight Finish Nailer has a rear lock-and-load magazine that accepts a range of 16-gauge straight finish nails from 1 to 2 1/2 inches long. It weighs only 3.8 pounds, has a nail lock-out



Makita is expanding its pneumatic trim fastening system with five new models, including the 2-inch 18-gauge AF505N brad nailer with a narrow nose design that's ideal for work in tight spaces.



Easy to adjust bedding tool. Dial indicator for accurate results. Improved productivity.

Reduced service time.







mechanism, a two-mode selector switch and is engineered for all-day professional use.

Next up, Makita's 2-inch model AF505N 18-gauge Brad Nailer features a narrow nose design for ac-

cess in tight spaces. It drives a range of 18-gauge brad nails, from 5/8 to 2 inches long into hard or soft wood applications. It weighs only three pounds and is ideal for a range of trim and woodworking applications.

The 23-gauge model AF353 1 3/8-inch Pin Nailer has a side drop-in loading magazine that holds up to 130 nails and accepts standard headless pins from 5/8 to 1 3/8 inches. At only two pounds, the AF353 is compact and ideal for a full range of woodworking applications.

Finally, the 18-gauge model AT638A 1/4-inch Narrow Crown Stapler has a bottom-loading magazine that accepts 1/2- to 1 1/2-inch staples. The staple reload indicator window alerts the operator when to reload staples. It weighs only 2.7 pounds and also has a twomode selector switch.

Each model, when partnered with a Makita industrial compressor, is engineered to help contractors work more efficiently.

#### **ITW PASLODE**

"As the housing market improves, productivity on the job site is more important than ever," says John Sara, marketing manager for Paslode. "As the leader in cordless, Paslode's gas-powered cordless nailers provide all the freedom of working without hoses in a powerful, compact, lightweight design. This helps customers improve

their productivity and reduce fatigue on the jobsite.

its predecessor. "Our new Cordless XP Framer makes framers more productive because it has 15 percent more power to drive nails flush— even in laminated veneer lumber (LVL) and other harder woods— this added power saves time for the user by keeping the hammer in the pouch more often.



The Cordless XP Framer now works down to 14 degrees when used with the new Paslode Framing Fuel with All-Season Formula, so users can now take full advantage of the convenience of cordless framing throughout the whole year.

With the new PowerMaster Pro Framing Nailer, Paslode has reduced the weight by one-half pound without sacrificing any of the durability that professional contractors

"Productivity remains our focus for our pneumatic and cordless framing systems," Sara says. "Paslode is one of the few companies that manufacture both framing tools and fasteners in our own plants. So we'll continue to optimize 'the system' performance in all of our new product innovations."

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Above: Paslode's

Cordless XP Framer

power to drive nails flush even into LVL.

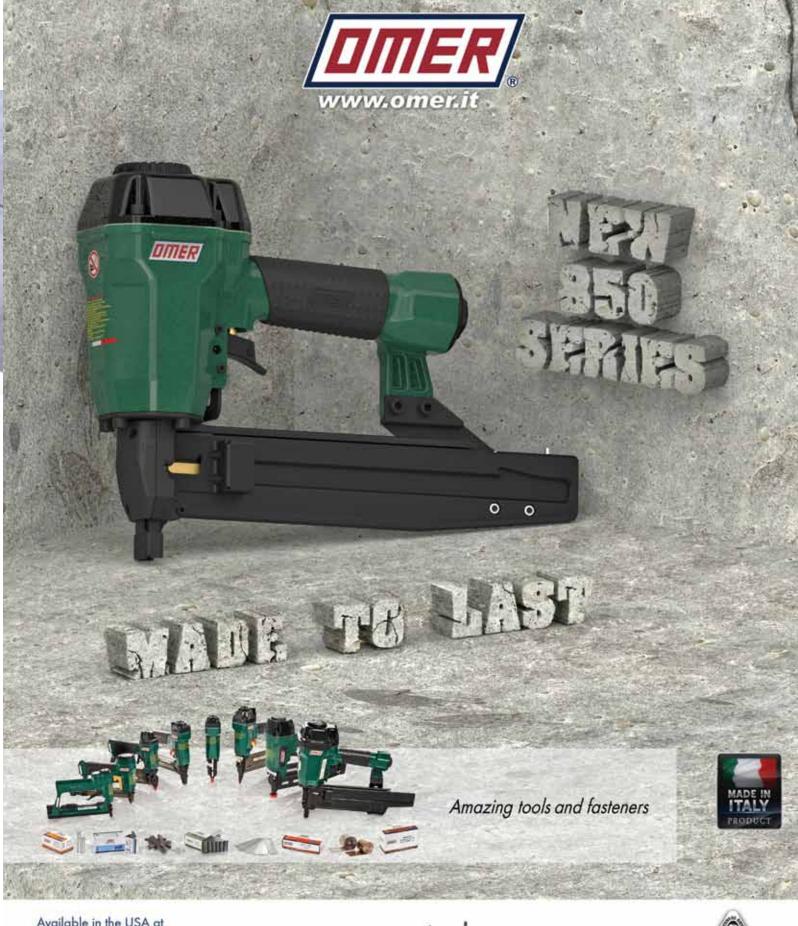
Left: The Powermas-

ter Pro Framing Nailer

weighs 7.9 pounds,

1/2 pound less than

has 15 percent more







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#### **OMER**

Step into typical factories and you will see that "industrial demands" placed on stapler and nailer producers, are still ... demanding, to say the least. Many of today's nailing and stapling tools will amply suffice for general contractor requirements and for DIYers.

The magnesium alloy model M2.50 stapler from OMER features Italian design and fires 3/4- to 2-inch 16-gauge staples and weighs just 4.85 pounds.

"Historically, rough factory use of our industrial-grade tools has guaranteed that they will be used and severely abused, something akin to the old Samsonite luggage



commercial that showed how tough your product needed to be to survive 'gorilla testing," says Chuck Hotze, vice president of U.S. market development for OMER USA. "Come to think of it, many stapler and nailer users in factories may expect to treat

their tools like the gorilla from that classic ad!"

But tough by itself isn't sufficient. The speed expectations for industrial grade tools have taken a quantum leap beyond what a woodworker or even a typical contractor really expects from their tool.

OMER SpA in Susegana, Italy has a team of technical experts that more than rise to such challenges. They make tools with a built-in factory rate of speed that dramatically surpasses what might be deemed satisfactory by others. When it comes to keeping up the frantic pace in a factory where tool operators may be paid on piecework, nothing less than greased lightening will do.

A great example is the OMER M2.50 stapler. The M2.50 weighs 4.85 pounds and features a magnesium alloy head and body, a quick unjamming system and shoots 3/4- to 2-inch staples. It offers bump-fire operation or optional single sequential activation.

#### **MURO NORTH AMERICA**

"The evolution of auto-feed technology continues as more contractors realize that to be competitive they need to offer a higher-end service while getting in and out of the job site quickly," observes Victor Horvath, Muro sales and marketing manager. "Replacing nails with screws gives that added benefit and using a quality Auto Feed System

continues to provide that needed advantage — speed!

"Like anything, you get what you pay for. So don't automatically go for the cheapest system available. Do your research and choose a proven brand with a stand-up reputation. We all understand that fundamentally a tool is only valuable when it's working."

Key features to look for in an auto feed fastening system include well-thought-out ergonomics, a heightadjustable T-handle and a unit designed to stand when not in use, a jam-free feeder design and a reputation for

hours of trouble-free driving. A large payload is desirable, as are easy to change bits with no awkward tools needed. In addition to these features. Muro proudly offers a purpose built system, with units assembled in North America.



"Muro's model FDVL41 Speed Driver remains the go-to system amongst professional contractors with its 150 screws per coil which offers more time driving and less time loading," Horvath says.

"Collated screws are now available to tackle many jobs where a threaded fastener is the optimum solution. Screw design has also advanced in recent years to combine operations and eliminating steps — no more pre-drilling or countersinking even in metal and exotic hardwoods. CONTINUED ON PAGE 64





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"Wings and reamers have been added to eliminate board jacking; screw heads have improved for cleaner finishes in composite lumber; and, ves, color head screws are available to match-up to your lumber."

Muro backs up its tool lineup with a full array of quality and specialty fasteners for all screw applications including: cement/Hardie Board, all types of decking, flooring and roofing. Muro has been leading the charge in the auto-feed category for 26 years.

#### **PREBENA**

As the construction industry gets busier, West Virginiabased nail and staple manufacturer PREBENA North American Fastener Corp is celebrating its 30th anniversary. As the imports are still significantly cheaper than "America First" local production, PREBENA North American Fastener concentrates on stainless steel (304 and 316), divergent point and specialty products. The average delivery time for custom products is about two business days.

"PREBENA North American Fasteners imports the pneumatic tools of the German PREBENA Group," explains Ulrich Wicke, general manager. "This ensures perfect spare part availability and service for a long life cycle.

"About two years ago, PREBENA began introducing a new tool generation featuring Optiwear Technology: a complete new piston design to reduce wear and tear as well as air consumption and noise, with an attenwww.axxisus.com dant increase in service life and reduction

of service costs. Starting with fine wire staplers, the range extends to 18- and 16-gauge staplers."

The 3GP-L40 stapler is for 16-gauge 7/16-inch crown staples up to a length of 1 1/2 inches. As this tool is very light weight at approximately 3.5 pounds and

Made in Germany. the Prebena model 3GP-L40 shoots 16-gauge 7/16-inch crown staples up to 1 1/2 inches long and weighs just 3.5 pounds.



air efficient with less than 1/4 gallon of air per staple, it is perfectly suited for any kind of furniture or manufactured housing prefabs as well as difficult working environments. PREBENA recommends using this tool in combination with PREBENA L-staples or with most Senco N-compat-

#### **SENCO**

www.dewalt.com

www.paslode.com

www.makitatools.com

www.omertools.com

www.prebena-usa.com www.senco.com

www.jaaco.com

www.fascoamerica.com

"The biggest trend in power fastening solutions remains the expansion of cordless tools and the evolution of battery technology that is driving this," begins David Shumate, SENCO product manager. "Today, there are over 40 cordless models on the market across 10 major

distinguish one from another. "SENCO was the first to launch a cordless tool with our patented Fusion LEARN MORE air spring design," Shumate continues. "Fusion is based on traditional pneumatic www.beafastenersusa.com tool principles only without the air hose. Fusion continues to perform well and fulfill

brands. A challenge for professional contractors is how to

the demands of trim and finish professionwww.hitachipowertools.com als. The Fusion cordless platform is an important category for SENCO, and we're always looking for applications that are suited for applying this technology."

> Other trends influencing pneumatic tool design include user demand for compact and lightweight options, even as substrates continue to evolve with denser materials

that require more powerful tools. Users are not willing to sacrifice smaller, lighter tools to gain additional power.

To address these trends, SENCO recently introduced the FinishPro 30, one of the smallest and lightest 15-gauge finish pneumatic nailers on the market. While it works in a wide variety of applications, it's designed with the cabinet maker in mind. Its small, lightweight magnesium body allows it to be used in tight spaces without sacrificing power or durability.

The magnesium-bodied FinishPro 30 weighs just 3.8 pounds and is one of the lightest 15-gauge tools available, maximizing ease-of-use. Measuring 12 inches in length and 9 5/8 inches in height, it is also extremely maneuverable in tight spaces such as cabinets, while strong and durable enough to handle a range of finish and trim projects.

The FinishPro 30XP accepts 1- to 2-inch 15-gauge 34-degree strip finish nails. Its E-Z Clear latch virtually eliminates fastener jams and associated downtime. It has a five-year warranty and comes with a carrying case.

#### **JAACO**

NAILPRO Specialty Fasteners are manufactured and marketed through JAACO Corporation, a Taiwan-based company that in addition to being ICC-ES approved, also belongs to ISANTA, the International Staple, Nail, and Tool Association; AWCI, the Association of the Wall and Ceiling Industry; and has been a STAFDA associate member since 1996. The company's U.S. offices are in Redmond, Washington. JAACO manufactures more than 2,000 types of fasteners and a variety of pneumatic and fuel cell tools

JAACO's NP-9021D Combo Duplex & Framing Nailer easily handles four types of fasteners including duplex and framing nails, ballistic pins and colleted screws.



for hardened pins, standard and specialty nails.

The versatile JAACO NP-9021D Combo Duplex & Framing Nailer can drive four different fasteners: duplex collated strip nails from 2 1/2 to 3 1/4 inches; 21-degree plastic strip nails to frame or apply plywood to panels from 2 3/8 to 3 1/2 inches; 21-degree ballistic pins to attach 2X plates to concrete; and NailPro "reversible nails" collated screws.

"The NP-9021D is an excellent tool for both framing and concrete forming applications including columns, tie beams, sea walls and bridge forming," explains Bob Hill, JAACO sales manager. cs

