

Each month, MSC's product section features items from all areas of the steel construction industry.

In general, these products have been introduced within the past six months. If you're looking for a specific product, visit MSC's online product directory at www.modernsteel.com/products. You can browse by product categories or search on any term to help find the products you need, fast.



Organized for Convenience

UNIST, Inc. has published a comprehensive new resource for metalforming companies. The company's complete family of metalforming lubrication systems is now presented in a single, easy-to-use catalog. Since introducing its first roller system for coil stock lubrication in 1993, UNIST has developed an extensive line of components for use in nearly every type of metalforming application, and the entire product line is displayed in this 56-page full-color publication.

Serving as a product overview, system planning tool, and ordering guide, the distinct feature of the new catalog is the way it is organized. A color-coded section is dedicated to each group of components, including supply systems, spray nozzles, four types of uni-Roller systems, and two types of controllers. Each section describes the system and its applications, explains how it works, and lists available options. It also illustrates the relationship of each system to the other components and directs the reader to additional equipment necessary to complete their configuration. Dimensional drawings for installation planning conclude each section. This all-inclusive guide can be used to easily customize a stock or blank lubrication system for metalforming applications.

UNIST plans to have each section of the catalog available for use on the company web site later this year. A free copy of the new catalog can be obtained immediately from UNIST's headquarters or through a UNIST representative.

For more information, visit www.unist.com or call 800.253.5462.

Increased Range of Motion for Drill

Hougen Manufacturing's new Model HMD904S Swivel Base Portable Magnetic Drill marks a major performance improvement to its HMD904 model. The S series features a new drill body-to-magnetic base coupling that provides both a pivot axis for up to a 1½-in. arc of side-to-side motion and a straight-line axis that permits up to 1¾ in. of front-to-back movement. After the magnetic base has been engaged, the added axes allow operators to fine-tune the drill position and precisely locate hole center points. The unit incorporates a lock-down mechanism that makes releasing and securing the pivot and slide coupling simple, fast, and virtually effortless. A single-actuation handle with short-stroke travel both unlocks and securely retightens the swivel base coupling.

The HMD904S is ideal for applications where hole position accuracy is critical, or for challenging fabrication, maintenance, and on-site installation/erection jobs involving horizontal or overhead/inverted drilling where supporting and energizing the magnet while locating the drill can be awkward.

The drill weighs just 30.5 lb and measures 16¾ in. x 7¾ in. x 8¼ in. long, yet provides drilling capacities of from 7/16 in. up to 1½ in. diameter and a 2-in. depth of cut. For versatility, the drill also includes Hougen's new hex drive arbor, which can be easily removed for installation of drill chucks and other Hougen Portable Machine Shop accessories.

For more information, visit www.hougen.com or call 810.635.7111.



All products submitted are considered for publication, and we encourage submittals related to all segments of the steel industry: engineering, detailing, fabrication, and erection. Submit product information via e-mail to Keith Grubb (grubb@modernsteel.com) or Geoff Weisenberger (weisenberger@modernsteel.com). To be included in MSC's online products directory, contact Louis Gurthet (gurthet@modernsteel.com).

Expanded Joist Information

Discussions of ASD/LRFD design, composite joists, and updated design tables are featured in Canam Steel Corporation's newest joist catalog, including the Steel Joist Institute's 42nd edition specifications.

The first 35 pages of the catalog aid the designer with typical joist applications, including photos, reference charts, design tips, and discussion. Other highlights of the free catalog include the following:

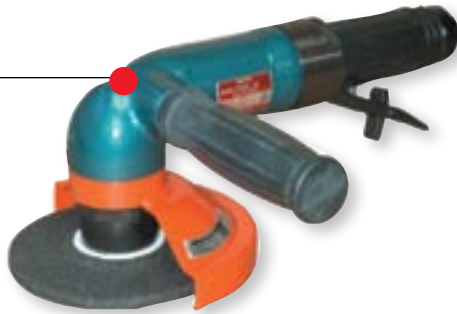
- The diagonal bridging chart has been expanded to cover deeper joists, wider spacings, and larger bridging.
- The user can find a discussion and chart for end anchorage for uplift.
- The catalog covers the idea, advantages, and appropriate use of a 3½-in.-deep seat for certain K- and LH-joists.
- There are new charts for sloped seat depths, which are now standard throughout the joist industry.

For more information, visit www.canam.ws or call 301.874.5141.



Quick Change

The NPK NAG-11LW-U5 Angle Grinder from Michigan Pneumatic Tool, Inc. features a quick-release spindle locking mechanism. The 5-in. angle grinder features a revolutionary composite plastic handle with a two-step safety throttle lever mechanism, and also features a left- or right-hand dead handle and a composite plastic rear exhaust handle. The threaded spindle allows the use of threaded hub grinding wheels and wire wheels.



The operator can change an abrasive wheel or wire wheel in seconds—no more fumbling with multiple wrenches. Simply depress the spindle locking mechanism on top of the housing and remove the abrasive wheel.

For more information, visit www.michiganpneumatic.com or call 800.521.8104.



Handling Tough Jobs

Zorb-IT Ultimate is the newest member of the nitrile-coated Zorb-IT product line from Best Manufacturing. This shallow-dipped glove brings new levels of form-fitting comfort and cut-resistance, thanks to a cut-resistant shell made from aramid fibers spun with stretchable, breathable Lycra. Its sponge-nitrile technology absorbs oil and water to deliver the same superior grip and handling in wet or oily applications that it does in dry jobs. Whether you're handling small, sharp parts or changing out blades and cutting instruments, Zorb-IT Ultimate is the ultimate in advanced, cut-resistant, nitrile-coated hand protection. Available in sizes XS-XL.

For more information, visit www.bestglove.com or call 800.241.0323.

No More Burrs

Designed to increase productivity of in-machine deburring in CNC machining centers, the Weiler Corporation's Bore-Rx line of internal deburring brushes easily remove all burrs found at intersecting holes and other internal edges of the work piece, and can also be used for bore-finishing applications.

The brushes provide a solution to the problem of removing internal edge burrs, which is often met using inefficient tube or "bottle" brushes. Tube brushes have several shortcomings, but most notable is their lack of filament density, which determines aggression and life. Bore-Rx brushes, however, have ten times more filament density, allowing them to remove even well-attached burrs.

Further, tube brushes cannot be operated at high RPMs and are prone to untwist when used in both directions of spindle rotation. Bore-Rx brushes correct these disadvantages by operating at high RPMs and rotating in both directions.

Available in sizes ranging from ¾ in. to 4 in. in either wire or abrasive nylon filament, the brushes can be adapted for use in end mill holders or can be mounted using ⅜-in. collets.

For more information, visit www.weilercorp.com or call 800.835.9999.

