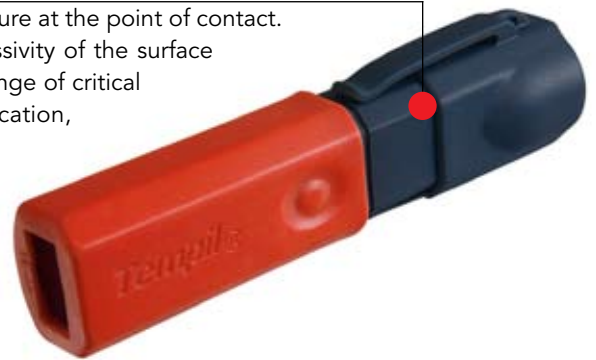


Each month MSC's product section features items from all areas of the steel construction industry.

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 category or search on any term to help find the products you need, fast.

Electronic Surface Thermometer

The Tempil Estik provides a quick digital readout of actual surface temperature at the point of contact. And, unlike infrared technology, it is not necessary to know what the emissivity of the surface material is in order to obtain an accurate reading. Developed for a wide range of critical temperature monitoring applications, including welding and metal fabrication, the patent-pending Estik incorporates the latest in microthermocouple technology with a bold digital readout to instantly display the surface temperature with an accuracy of +/- 2%. Features include an easy-to-grip ergonomic design, a three-digit backlit display, and Fahrenheit and Celsius scales. The Estik also includes an auto shut-off, no wires or no cables, and measures from 32 °F to 999 °F (0°C to 537 °C). The device is quick and easy-to-use, and is available with a heavy-duty lanyard and nylon holster.



For more information visit www.tempil.com or call 800.757.8301.

Enhanced Fabrication Management Software

Version 3.0 of FabTrol MRP provides feature enhancements throughout the product's integrated modules. New functionality in the Project Organizer module helps fabricators manage Requests for Information (RFIs) by providing a way to formally track questions and responses through to resolution. It manages all drawings and other documents that are sent and received relating to an RFI, and tracks follow-up questions and responses. The OptiMiser module can now produce an XML vendor export file containing material and nesting requirements, which can be emailed and then imported into popular software used by service centers. The new Plate Manager module produces multiple manual nestings and provides a diminishing list of plate parts to nest. It is particularly helpful in managing what plate parts have been nested and what plate parts are left to nest.

For more information visit www.fabtrol.com or call 888.322.8765.



Wash Your Hands

Uncle Earl's Soap for Machinists, from Zebra Skimmers Corporation, prevents the irritation caused by metalworking fluid's chemistry and biology. This formula, which also has been helpful for the hard-working hands of those in other industries, helps alleviate the problem of dry, cracked, and burning hands commonly associated with the use of metalworking fluids. Formulated to easily remove dirt, grease, and grime, it includes moisturizers that protect skin and prevent drying and irritation, eliminates the need for gritty cleaners and use of barrier cream, and is made with all natural ingredients.

For more information visit www.uncle-earls.com or call 888.249.4855.

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 Tom Klemens (klemens@modernsteel.com). To be included in MSC's online products directory, contact Louis Gurthet (gurthet@modernsteel.com).

Inverter-based Plasma Cutters

The AirForce 500i (27.8 lb) and 700i (31.4 lb) are highly portable, power efficient and affordable inverter-based plasma cutters. The 500i can plug into 115- or 130-VAC power receptacles using a simple multi-voltage plug (MVP) for a $\frac{3}{8}$ -in. rated cut on mild steel. For heavy-duty applications, the 230-VAC 700i delivers a rated $\frac{7}{8}$ -in. cut on mild steel at 50% duty cycle. Both are supplied with Hobart's 16.5-ft ergonomic hand-held torch, designed for increased comfort, more efficient post-flow air cooling and economical replacement tips. The units come with replacement tips (two tips, two electrodes) and a convenient cable management strap for easy transportation.

For more information visit www.hobartwelders.com or call 877.462.2781.



Beam Fabricator

The PHI Automatic Steel Beam Welder enables manufacture of custom steel beams continuously with minimum delays for changing beam sizes or shapes. It automatically welds both flanges of the beam at once, delivering the penetration you need on up to $\frac{1}{2}$ -in. steel web and $1\frac{1}{2}$ -in. flange—all in one operation, one pass, and from one side. The system produces a fillet weld between the web and flange. Welds are uniform and of the quality demanded by construction codes. Working at a convenient push-button console, the operator presses the start button. The

machine automatically holds the steel in position, while the work piece is fed under the two weld heads. Pressure and guide rollers maintain accurate alignments of web and flanges. All guides are easily adjustable to match the dimensions of the beam section. Welding is performed by a pair of submerged twin-arc welders. The system automatically dispenses and removes flux, reducing manpower requirements and cutting material costs through recycling of the flux.

For more information visit <http://www.phi.com/> or call 626.937.3313.

Improved Conductivity, Heat Dissipation

Tough Lock Retaining Heads from Tregaskiss now feature the company's dual taper technology, consisting of a second rear taper between the gooseneck and the contact tip. This design improves electrical conductivity and heat dissipation to provide consistent welding performance and extend the life of consumables. The upgrade also complements the existing taper design between the retaining head and contact tip, which helps keep the tip secure, centered and cool. Tough Lock contact tips are machined with exceptionally tight tolerances and feature a dual-lead thread design that allows the tips to be rotated 180 degrees to create a new wear position and extend tip life. They can be used on both semi-automatic and robotic MIG equipment.

For more information visit www.tregaskiss.com/dualtaper or call 877.737.3111.

