

New Products

Backdraft Ventilation System Clears the Air

Great Lakes Air Systems, Clawson, MI, introduces the WeldPro self-contained back-draft hood ventilation system for manual welding, available as a stand-alone unit or



as a floor-saver model.

With its back-draft design, the WeldPro draws the air away from the welder, making sure that smoke is not pulled across his helmet. Add the overhead 4-ft.-long hood and the capture zone is maximized, making filtration extremely efficient, according to company

officials. The RoboVent floor-mount WeldPro has two slots on its bottom, allowing for forklift placement wherever the model is needed.

Great Lakes Air Systems: 248/655-1800; www.robovent.com

Compact GTA Welder

The Lincoln Electric Co., Cleveland, OH, introduces the Invertec V310-T AC/DC, a lightweight, compact gas-tungsten-arc welding (GTAW) solution for advanced motorsports, aerospace, ship building and construction.

The machine's most recognizable feature is its large, bright LCD screen—the Dynamic Display—making all relevant parameters visible at a glance. This gives the operator ultimate control over weld processes from simple stick mode and basic GTAW to AC/DC GTAW pulse welding.

The screen offers easy viewing of adjustable parameters with a single control knob, allowing the user to scroll through each setting. More complicated controls, such as AC frequency, are readily viewable and, for example, show how the arc is affected when parameters are changed or adjusted.

The Invertec V310-T allows users to customize the arc through its adjustable AC frequency and selectable waveshapes.

Lincoln Electric Co.: 216/481-8100; www.lincolnelectric.com



Mark Variable Data on Steel Coil

Matthews Marking Products, Pittsburgh, PA, has introduced an integrated system for high-quality inkjet marking of variable data on steel coil. The steel-coil marking system can be customized to accommodate special requirements.

Recently installed at one mill, the new system allows products to be marked with dynamic (variable) message information such as production date, operator information, plant location, date/time and part number. Print messages are changed via a PLC or computer in the control room.

With features such as a kickplate bracket to protect printheads when a weld passes underneath the heads, automatic ink priming at print startup and flushing (when not printing) functions, and uniquely formulated removable inks, the system is ideally suited for automated steel-production lines.

The system consists of the I-Mark R44e printhead controller, capable of controlling as many as 16 print heads; long-life, low-ink-consumption Jet-a-Mark 8000-series printheads; Mattcom software to interface with Allen Bradley or other human-machine interfaces for simple programming of print messages; and Matthews SCP240A removable ink.

**Matthews Marking Products:
412/665-2504;
www.matthewsmarking.com**

Long-Life Magnetic Slide Conveyors

Storch Magnetics, Livonia, MI, introduces a series of magnetic slide conveyors designed for long life, and after many years of service can be rebuilt for extended life due to the 304-stainless steel rebuildable track.

The slide conveyors are liquid tight and have no external moving components. All moving conveyor components and drive train are lubricated by a sealed oil bath for long service life. Also, since contaminants can't infiltrate the conveyor's interior, chain and track life are extended.

Storch conveyors use a high-yield-strength solid-pin prestretched chain for long life. Most also use an oversized roller chain to reduce wear on the tracking components. A double C-channel stainless steel laser-cut track provides three-sided encapsulation of the chain while reinforcing and keeping the conveyor frame straight and magnetically insulating the chain from the conveyor body.

All slider plates and guides are through-bolted to the conveyor frame with grade-eight UNC fasteners instead of sheetmetal screws for better seal integrity and added frame rigidity.

A direct-mounted drivetrain minimizes drive components to promote high drive efficiency, less wear and reduced maintenance. Magnets are free floating, which reduces chain stress and binding to extend conveyor life.

Storch Magnetics offers five standard conveyor profiles: 1.75, 3.5, 5, 8 and 11 in., with widths from 4 to 36 in. and capacities from 150 to 18,000 lb./hr. on a single conveyor. Custom-engineered magnetic conveyors can be built.

Storch Magnetics: 734/591-2200;
www.storchmagnetics.com

Corner Clips Improve Corrugated-Box Handling

New and economical Corner Clip material-handling accessories from Creform Corp., Greer, SC, are manufactured from durable polystyrene plastic, providing long, repeatable use. The clips securely pin the end flaps of a cardboard box to its respective side. In most applications, only two clips, placed on opposite, diagonal corners, are enough to hold down the flaps and improve packing/unpacking operational efficiency through unimpeded operator access to box content. Because all boxes remain as single, intact containers when the clips are employed, cost-saving reuse is possible, as is more efficient recycling and disposal.

For added security and to bolster



strength for stacking boxes, clips can be positioned at each of the four corners,

helping to better distribute loads and prevent box sides from sagging. Clip configuration also allows for the use of plastic cable ties that, when installed diagonally across each clip, reinforce and brace the corners for heavy box-stacking applications.

Creform Corp.: 800/839-8823;
www.creform.com

NewProducts

Upgraded Hydraulic Benchtop Presses

Beckwood Press Co., St. Louis, MO, recently added an important design element to its DJ-series line of standardized benchtop presses, in capacities from 3 to more than 40 tons. The models now will feature a ram equipped with antirotation, helping to maintain consistent die

alignment throughout the cycle.

The standardized hydraulic and hydro-pneumatic benchtop presses are available in stock or with a short lead time. They offer high-speed, high-precision performance, suitable for, but not limited to, assembly, compression, punching, trimming, blanking, stamping and coining applications. These standardized sys-

tems can be modified for specific applications that require customized stroke, shut height, bed size and control systems.



Each can be equipped with standard relay-based control or an upgraded PLC control system featuring an operator interface and a digitally programmable pressure switch for return-on-pressure capability.

**Beckwood Press Co.: 636/343-4100;
www.beckwoodpress.com**

Drawing and Stamping Fluid

Houghton International Inc., Valley Forge, PA, introduces Houghto-Draw 7060, an environmentally friendly drawing and stamping fluid for use with high- and low-carbon steel, alloy steels, stainless steels, and titanium and inconel alloys.

The fluid produces low foam and is compatible with hard-water operations. It suits light- to heavy-duty operations and can replace the use of multiple products to eliminate cross-contamination. The lubricant offers good corrosion protection without staining for in-process protection of machinery and parts. Additionally, it provides good stamping and forming capabilities that increase tool life and improve surface finishing.

**Houghton International Inc.:
610/666-4103; www.houghtonintl.com**