



Stellar CDTplus controllers show crane operators boom angle, how much weight is being lifted and how much can still be lifted. A capacity alert feature informs operators before an overload situation arises.

HYDRAULIC TOOLS & EQUIPMENT

FROM TRADITIONAL TO CORDLESS, HYDRAULIC TOOLS COMBINE POWER AND FINESSE

As cordless tools close the performance gap in some applications such as crimping and cutting, traditional hydraulic lifting and motion control technologies are gaining in sophistication. Here are the newest tools from three leading manufacturers.

STELLAR INDUSTRIES

According to Stellar Industries, users want more longevity from their hydraulic investments and greater communication with their equipment.

"Typically, the most expensive component to mobile hydraulic equipment is the chassis," explains Al Kuhlman, assistant product manager. "To get the most longevity out of the chassis, customers are starting to migrate from a PTO and hydraulic pump to an APU, or Auxiliary Power Unit. By using the APU, they can turn off the engine on the chassis and save additional wear and hours."



KUHLMAN

Customers also want to know what their equipment is doing and what else it can accomplish. Real-time readouts and indicators on equipment are satisfying this need. Stellar Industries, Inc. is meeting these demands with economical APUs and Stellar CDTplus radio crane remote controls that show boom angle, how much weight is being lifted, how much weight can still be lifted and how far the weight is from the center line of the crane.

"This information let's an operator know whether or not he can safely complete a lift without moving the truck," Kuhlman adds. "Plus, Stellar CDTplus-equipped cranes are the first in the mechanics crane market to offer an integral capacity alert into the handheld controller's LCD screen, which alerts users before they encounter an overload situation."

ENERPAC

Enerpac has just introduced a new addition to its EVO Series synchronous lifting systems, the EVO Mini (EVOM), which combines high-pressure hydraulics with a PLC

(Programmable Logic Controller) system to monitor and control precise movement and positioning of heavy loads in a compact, simple-to-use package. Through an integrated Human Machine Interface (HMI), all movements are managed from a central control position that displays live operation with real-time status for each lifting position.

The multi-functional EVOM can be used with standard 10,000 psi single- or double-acting cylinders and is offered with 1-, 1.5- or 3-hp hydraulic power units. The EVOM offers manual and automatic control modes and can control up to eight jacking points with one hydraulic power unit (HPU).

"The EVO Mini system allows one device to control the entire lifting operation while providing status updates at every point of the process, without the need for manual monitoring," says Peter Crisci, global business development leader at Enerpac. "For superior visibility and control, the system features a user-friendly interface with easy-to-use menus for simplistic navigation. By digitally monitoring and controlling lifting



CRISCI



Enerpac's EVO Mini synchronous lifting system allows a single user to monitor and control the precise movement and positioning of heavy loads with up to eight jacking points.

operations, users enhance safety and eliminate costly downtime and manual operations."

For demanding applications requiring more than eight lifting points, the Enerpac EVO system offers eight standard hydraulic control modes and can control four, eight or 12 jacking points with one HPU. It can also be networked to link up to four HPUs together to accommodate up to 48 lifting points.

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All around better: The RIDGID RE 6 electrical tool crimps lugs, cuts wire and punches electrical boxes with three interchangeable heads.

RIDGID

"A contractor's work is physically demanding and any opportunity to make the workday less taxing is a benefit," begins Bob Solymos, RIDGID global marketing manager. "That's why over the past several years we've seen contractors move toward smaller and lighter tools in the handheld micro-hydraulic tool space."

"Gone are the days of contractors carrying bulky, heavy equipment from job to job. The RIDGID design team is developing innovative solutions that not only lighten contractors tool loads, but also make the tools they use more efficient to save time and money."

One example, the RIDGID RE 6 electrical tool offers a three-in-one solution for cutting wires, crimping lugs and punching electrical boxes. The RE 6 was RIDGID's first battery-powered solution for electrical contractors. It features the RIDGID QuickChange System so contractors can quickly switch between three interchangeable heads with 360-degree rotation.



SOLYMOS

Because the RE 6 eliminates the need to carry multiple tools to the job site, electrical contractors save cargo space and eliminate trips back and forth to their truck, which increases efficiency and maximizes productivity.

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- www.enerpac.com
- www.ridgid.com
- www.stellarindustries.com

"The RE 6 is just one example of micro hydraulic tools that RIDGID has recently reinvented," Solymos adds. "Our RP-340 press tool is 30 percent smaller, 17 percent lighter and has a 31 percent longer service interval than the previous generation of the tool. In addition, our RP-200 and RP 210-B press tools weigh less than 6.5 pounds." **CS**



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