

Tooling Update

Vision Sensor Features Compact IP-68-Rated Camera

Banner Engineering Corp., Minneapolis, MN, announced that its PresencePlus Pro vision sensor now features a compact, metal IP-68-rated camera, with the option of an integrated light or lens cover. The sealed Pro accurately and reliably performs advanced machine-vision inspections in challenging industrial and washdown environments, according to company officials.



The rugged camera is designed for use in dirty industrial environments. Applications include 360-deg. geometric fixture-free inspection, error proofing, assembly verification, rapid pattern presence/absence recognition, flaw detection, orientation confirmation, sealed-cap and -flap verification, fill-level detection, 2D and 1D barcode reading, and color verification and matching.

The PresencePLUS Pro incorporates a remote camera with a controller. All con-

trollers include a suite of gray-scale tools, while color models also offer a Color Match tool to inspect for a specific color or color range taught to the sensor.

For more from Banner Engineering, write no. 200 on your reader response card.

Extended Line of QDC Clamps

Serapid Inc., Sterling Heights, MI, has introduced an extended line of its TBHS escaping arc clamps. The clamp now comes in a range of sizes, accommodating dies from 2 to 63 tons. Optional sensors detect clamped and unclamped positions. The TBHS clamp was designed for high-temperature applications where die

swelling is an issue. The clamp moves in an arced path to eliminate the risk of sticking. It also features a mechanical safety detent so dies will not drop in the event of a pressure failure. The clamp is well suited for automated systems, where sensing position is required.

For more on TBHS escaping arc clamps from Serapid, write no. 201 on your reader response card.

Nitrogen-Gas-Spring Two-Post Lifter

The new, patent-pending SL2.180 nitrogen-gas-spring two-post lifter is the latest addition to the SL series of lifters offered by Dadco, Inc., Plymouth, MI. It has a 31.8-mm profile, stroke length from 25 to 125 mm, and force-on-contact to 450 lb., one size larger than the SL2.090 with a 25-mm profile and force-on-contact to 200 lb.



Lifting force for the SL2.180 is provided by Dadco's Micro 180 gas spring and is adjustable to meet individual requirements. The lifter's rail plate is available in an optional compact version and with metric or imperial mounting and dowel holes. Ideal for progressive dies, the SL2.180 and SL2.090 lifters provide a modular approach to lift applications.

For more information from Dadco, write no. 202 on your reader response card.

Die Splitter Eases Maintenance Operations

Green Valley Mfg., Mt. Zion, IL, introduces its Titan 2288 die splitter that allows safe separation, inverting, maintenance and reassembly of dies. The unit mates with the firm's die cart to allow for safe die handling throughout the maintenance process.

A rear kick-out table with swing-away bolster extensions allows the bottom half of the die to be rolled away from the splitter to a separate roller-top table for access during servicing. The upper half is rotated 180 deg. and lowered to a convenient work height. The swing-away bolster extensions on the kick-out table can be folded to allow front and rear access to the inverted upper die half. Once all die maintenance is completed, the die motions are reversed and the die is safely and precisely reassembled.

For more information from Green Valley Inc., write no. 203 on your reader response card.