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9 Law Drive

Fairfield, NJ 07004

973.227.8080

turchette.com

News Release

client: **Omega Design Corp.**

contact: Christopher Dale

Turchette Agency

(973) 227-8080, ext. 116

[cdale@turchette.com](mailto:cdale@turchette.com)

Chris Siegele

Omega Design Corporation

(610) 363-6555

[csiegele@omegadesign.com](mailto:csiegele@omegadesign.com)

**Debuting At Pack Expo, Omega Design’s**

**Robotic Bottle Unscrambler**

***Dual infeed system maximizes robotic movements for heightened throughput;***

***Modular, expandable design brings flexibility and versatility.***

*EXTON, PA* – **Omega Design Corporation** – a global provider of innovative packaging machinery for the pharmaceutical, nutraceutical and consumer healthcare industries, and a worldwide leader in bottle unscrambling technology – will introduce a new fully **Automatic Robotic Unscrambler** at **Pack Expo Las Vegas**, September 11-13. At **Booth C-3836**, the company will demonstrate the new machine’s ability to provide smarter sorting by utilizing a parallel-kinematic, multi-axis, pick-and-place robot module, which separates, orients, and positions bottles onto a conveyor or into stabilizing pucks.

Omega Design Corp.’s versatile new automatic unscrambler is ideal for applications running complex or multiple bottle shapes, including a broad array of containers, bottles, tottles, jars, vials, jugs and tubes. The limited number of changeover points greatly reduces setup times. Its integrated hopper minimizes footprint, and the conveying system is optimized for robotic handling, with intelligent infeed metering control reducing recirculation of bottles.

The machine combines speed and accuracy via Omega Design’s dual infeed system, which purposefully presents two containers at once to the unit’s robotic arms from a single hopper. This process optimizes the robotic arms’ movements, yielding throughputs unobtainable by conventional methods. The setup also minimizes the machine’s overall floorspace footprint.

Another strong suit of the new Automatic Robotic Unscrambler is flexibility. The system can be configured to meet a range of capacity needs and speeds. This includes increased hopper capacity, as well as additional robot modules to increase speeds by up to 90 containers per minute per robot.

The machine features a user-friendly 15” touchscreen HMI, a sophisticated Rockwell Automation Optix visualization platform, and an advanced Allen Bradley integrated safety programmable logic controller (PLC). Rapid, repeatable pushbutton changeover with a limited number of change points helps diminish downtime between new product runs.

“Introducing a fully automatic robotics unscrambler applicable to a wide variety of containers aligns with our ongoing mission to produce equipment solutions that simplify processes through reduced labor requirements and intuitive operation,” said Glenn Siegele, President of Omega Design Corporation. “Importantly, the machine also comes in a modular design that can be configured to meet the specific needs of every customer.”

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**About Omega Design Corporation**

Omega Design Corporation is a global provider of innovative packaging solutions for the pharmaceutical, nutraceutical, and consumer healthcare industries. For over 50 years, Omega has specialized in the design, manufacture, service, and support of a broad range of container handling and packaging equipment systems, including bottle unscramblers, bottle-puck handling systems, shrink bundlers, stretch banders, secondary bottle and 5th panel carton orienters, canister and pouch-style desiccant/oxygen absorber feeders, as well as coding, vision and case packing modules supporting serialization and aggregation.

Omega Design Corporation operates from a fully integrated facility in Exton, Pennsylvania, that provides product research and development, product line engineering, parts manufacture, machine assembly and testing. Come visit for a Demo. For more information, call 610-363-6555 or please visit [www.omegadesign.com](http://www.omegadesign.com).