

Hardware Innovation Alley

五金新品大道

Compiled by Fastener World

New Generation Low Torque Transducerized Screwdriver Series EIDS

新一代低扭矩測力式螺絲起子EIDS系列

Industrial assembly tool leader Desoutter has introduced the EIDS series, a new generation of low torque transducerized screwdrivers, in March 2026. Designed for safety critical and high precision assembly applications, the EIDS series helps manufacturers secure core fastening points while maintaining flexible and efficient production operations.

The series is suitable for industries such as electronics, medical devices, e-mobility, and smart mobility, where tightening quality directly affects product safety, compliance, and long term reliability. The EIDS series employs transducerized technology to measure torque directly at the tool level, delivering repeatable tightening accuracy of $\pm 2.5\%$ across the full torque range. The tools can be used flexibly in handheld, fixed station, or automated setups, enabling a single tool range to support multiple applications and reduce part numbers and management complexity. With a wide torque coverage of 0.2–16 Nm (inline) and 1.5–22 Nm (angle), plus a robust, service friendly design, the EIDS series can seamlessly integrate into existing fastening ecosystems, enhancing line stability and long term operational efficiency.



ErgoDek® — A New Generation Metal Deck Fastening System

ErgoDek® 新一代金屬樓承板鎖固系統

Fastening technology leader SFS Group has introduced ErgoDek®, an ergonomic fastening solution specifically designed for metal deck overlap installation, marking a new era of safer, more efficient and innovative metal roof and cladding construction. The system combines a lightweight design, productivity boosting performance and a strong focus on operator wellbeing, enabling roofing and metal cladding contractors to complete installations in a safer, faster and more consistent way. ErgoDek® can be used with standard cordless screwdrivers and features an integrated collated fastener magazine that reduces operator fatigue, improves fastening quality and ensures consistent screw placement. The system comes in three variants, each compatible with mainstream cordless tools from DeWalt, Hilti and FEIN, and suits a wide range of metal deck profiles with a combined thickness of up to $2\frac{1}{2} \times 1.25$ mm. It can be paired with SFS metal deck screws, further enhancing installation speed and overall work quality.

New Generation Cobra+ IFS Insulation Fastening System

新一代Cobra+ IFS保溫層快速鎖固系統

Construction fastener and tool leader Ramset has officially launched its Cobra+ IFS Insulation Fastening System in the U.S., transforming the existing Cobra+ nail driving platform into a single tool solution for rapid insulation board installation. The system is designed specifically for rigid and semi-rigid insulation boards and can secure them directly into concrete, eliminating adhesive cure times, predrilling, and bracing, thereby significantly streamlining the installation process and improving labor and jobsite management efficiency.

The Cobra+ IFS system can be converted from a standard Cobra+ tool into an insulation fastening configuration in under three minutes using the IFS Conversion Kit, which includes dedicated piston, barrel, and buffer components. Combined with specially designed spiral steel pins, it enables one shot fastening of common foam board and mineral wool insulation types. The tool also features an integrated thermal cap and patented nail head geometry that enhance thermal performance while maintaining a clean, aesthetic finish, targeting residential and commercial retrofit insulation projects.



New Mechanical Inline Connector Enables Direct Copper to Aluminum Wire Connection without Terminal Blocks

全新機械式直通連接件
銅與鋁導線直連免除端子塊

GBP K.K., a provider of integrated renewable energy solutions, has announced the launch of a new Mechanical Inline Connector in the Japanese market that allows copper and aluminum conductors to be connected directly in a straight through configuration, eliminating the need for conventional terminal blocks. The product is designed to save panel space and improve on-site installation efficiency. Engineered to suppress galvanic corrosion between dissimilar metals, the connector supports conductor sizes from 14 mm² up to 500 mm² and can be used across a wide voltage range, from low voltage circuits up to 35 kV class systems. Installation requires no crimping or compression tools; instead, a standard power driver or wrench is sufficient, with torque break head screws providing visual confirmation that the specified torque has been reached, thereby improving consistency and reducing reliance on operator skill. The low voltage version comes standard with a cold shrink tube for insulation, waterproofing, and mechanical reinforcement, while high voltage applications can be combined with commercially available inline insulation materials applied in accordance with the manufacturer's instructions, enhancing safety and standardization in power and renewable energy projects. □



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