

# Hardware Innovation Alley

## 五金新品大道

Compiled by Fastener World



### **Cordless Nut Runner N1B1** N1B1無線螺帽扳手

Lobtex launched the cordless nut runner "N1B1" on December 2, 2024. This product can fasten over 1,000 blind nuts on a single full charge and features a digital stroke adjustment function for easy customization. It is compatible with M3 to M10 blind nuts and enhances on-site work efficiency due to its cordless design.

Product Features:

- Cordless design allows for use in any location.
- Can fasten over 1,000 blind nuts on a full charge.
- Easy adjustment with digital stroke adjustment function (saving up to 10 data settings).
- Includes a screw damage prevention feature (excluding M3 and M4).
- Simple construction of a foolproof system.



### **EH2-R4002-SC High-speed Hand Nutrunner**

#### EH2-R4002-SC高速螺帽扭力工具

Estic Corporation is launching the "EH2-R4002-SC," a high-speed hand nutrunner for robots that accommodates a tightening torque range of 0.2 to 2.0 N·m. Capable of achieving high-speed tightening at up to 2,543 rpm, this tool features a compact design, making it ideal for automating tightening processes. Previously, Estic has provided a series of "hand nutrunners for robots" to meet the automation needs in tightening processes. The introduction of "EH2-R4002-SC" makes it possible to cover a lower torque range.

### **Innovative Hot-dip Galvanized Screw for Solar Structures**

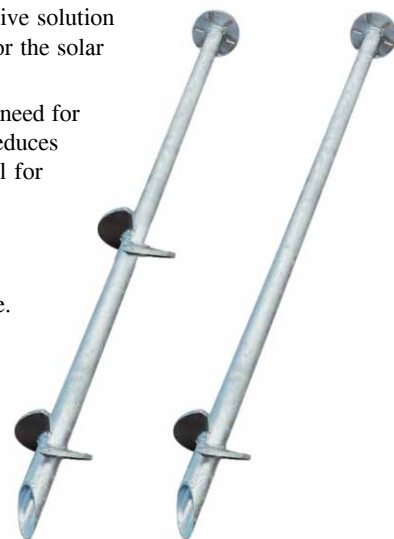
#### 適用於太陽能專案的創新熱鍍鋅螺絲

The hot-dip galvanized ground screw by Elementos de Sujeción Galvanizados is an innovative solution designed specifically for the renewable energy sector, providing robust and efficient support for the solar structures.

It is a metal structure with propellers and can be installed directly in the ground without the need for excavation or concrete foundations. The screw nails easily into the ground. This considerably reduces installation time and cost. Thanks to its design, it offers maximum stability and strength ideal for supporting solar panels and other light infrastructure.

Features:

- Hot dip galvanizing: It is coated by a hot-dip galvanization process, which guarantees durability, corrosion protection even in extreme climatic conditions, prolonging service life.
- Quick and easy installation: No heavy machinery or complex processes required. This makes it an ideal choice for solar energy projects looking for agile installation.
- Environmentally friendly: No traditional foundations are required, thus avoiding the use of concrete and reducing environmental impact.
- High strength and durability: Designed to withstand heavy loads, providing long-term security and stability for solar structures.
- Versatility in the field: It works efficiently on different types of soils, from soft to more compacted soils.





## Rechargeable LED Light Pickup Tool

### 充電式LED照明拾取工具

KTC has launched a "Rechargeable LED Light Pickup Tool" (AL817) designed to illuminate work areas while picking up small screws and parts.

Product Features:

1. The light's tip can be extended and is adjustable. Use the tip at your preferred angle.
2. The tip of the light includes a magnet (lifting capacity of approximately 1 kg), allowing it to pick up small screws and parts. It can also be fixed to walls or cabinets using the bottom magnet.

## Digital Torque Wrench Memoruk PRO

### 數位扭力扳手Memoruk PRO

KTC announced the launch of its new digital torque wrench, Memoruk PRO, released in December 2024. This innovative tool aims to transform torque management into a comprehensive work management system without altering existing workflows. Memoruk PRO features advanced sensing technology that notifies users through sound, light, and vibration when the desired torque is achieved, significantly reducing errors associated with manual operations.

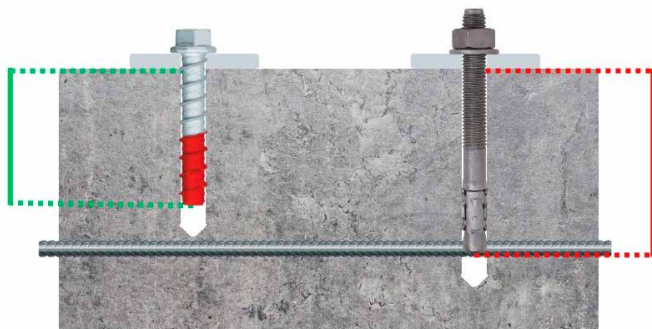
As industries increasingly automate production processes, KTC recognizes the need for enhanced safety and efficiency in manual tasks, particularly in sectors like aerospace and rail. Memoruk PRO addresses common issues such as incorrect torque settings and miscommunication of work instructions. By integrating real-time data transmission with management software, KTC aims to improve work quality and user safety while boosting overall customer satisfaction. The product lineup includes 23 variants tailored for various torque measurement needs.



## The Shallowest C2 Seismic Concrete Bolt in Australia

### 來自澳洲鑽孔深度最淺的C2抗震混凝土螺栓

Seismic design adds complexity and cost. ICCONS® has developed the shallowest C2 seismic concrete Screw-Bolt in Australia, making installation easier for engineers and contractors alike.



- 8 x 55MM Bolt: Significantly lower cost than other typical C2 approved anchors
- 60mm Drill depth: Reduced drill-time and incidence of hitting reinforcing bar resulting in less machine and accessory wear
- 50mm Embedment: Labor saving through rapid installation
- 5mm Max. Fixture Thickness: Suitable for countless C2 Seismic applications ■