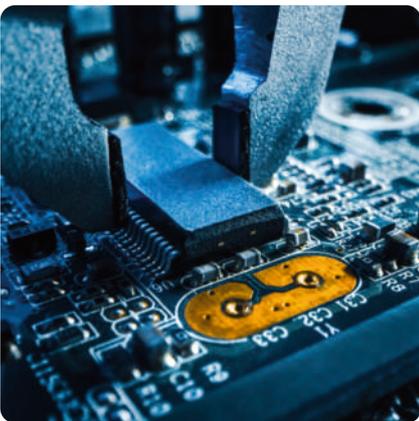
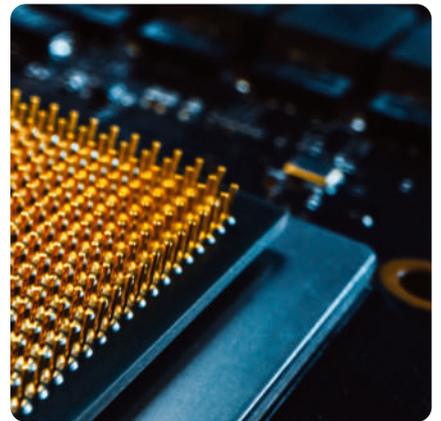
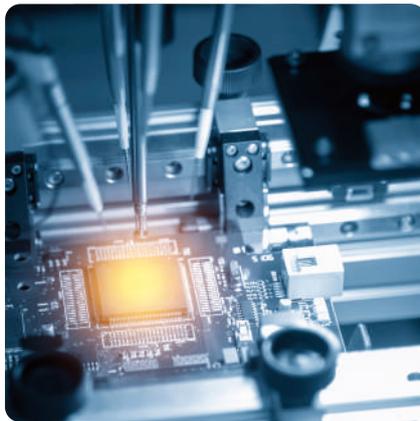
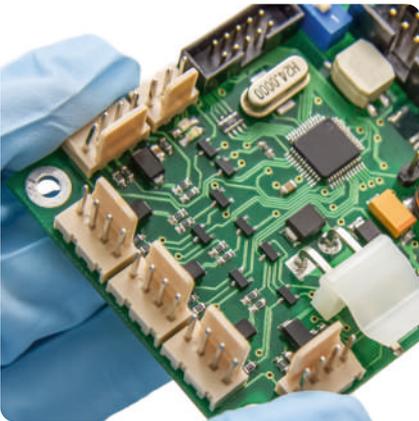


SMARTEMS High Performance™ EMS Solutions



SMARTEMS High Performance™ EMS Solutions

We have become a well-known supplier for the electronics manufacturing industry, automotive, aerospace, medical and other industrial sectors, providing a wide range of SMT systems, inspection systems, component programming, rework and dispense, automation solutions and specialized service support. Our comprehensive support packages cover you from installation, helping you get setup quickly and learn to unleash the full performance potential of your new equipment. Our backup helps you keep your equipment running at its optimum. To meet our customers' needs, we aim to provide solutions that are compatible with emerging Smart Factory practices and support new manufacturing techniques.

INSPECTION

High-speed high precision inspection systems, Solder Paste Inspection (SPI), Automated Optical Inspection (AOI). **SAKI** 3D-SPI, 2D and 3D-AOI, and 3D-AXI machines are designed with unique gantry systems, technologies, and inspection algorithms to deliver highly accurate, high speed, and user-friendly measurement systems for components and solder paste.



DEVICE PROGRAMMING

We are provider of manual and automated security provisioning and device programming systems for Flash, Microcontroller, and Logic devices. **Data I/O** has developed innovative solutions to enable the design and manufacture of electronic products for automotive, Internet-of-Things, medical, wireless, consumer electronics, industrial controls, and other markets. Today, our customers use Data I/O's security provisioning and programming solutions to reliably, securely, and cost-effectively bring innovative new products to life.



DEPANELLING

De-paneling equipment from **MSTECH** are high-performance machines for the de-paneling of single circuit boards with electronic components. The cutting principles we use are especially fast, reliable, and low-stress, and ensure maximum productivity and the best cutting quality.



REWORK AND DISPENSE

For rework and repair, we offer the right product for every step. From desoldering, removing residual solder and reballing, to placement and soldering. **MARTIN** EASYSOLDER 07 software makes it possible to create precise reflow profiles for the EXPERT family and to guarantee optimum results. Precise dispensing of liquid media is becoming increasingly important due to the ever-increasing miniaturization of components. To meet this challenge, Martin offers dispensing units for desktop and automated line production. Complete control of cartridge and dispensing nozzle temperature enables high repeat accuracy of volumetric dispensers. Expensive materials such as solder pastes, adhesives and filled materials can be processed cost-effectively. Our software makes it possible to achieve exact results immediately using the material library.



SMARTEMS High Performance™ EMS Solutions

CLEANING TECHNOLOGY

PBT Works high performance cleaning machines are designed to remove all unwanted contamination present in electronic manufacturing and micro-mechanic processes. Removing post reflow resin and flux soldering residues from PCBAs eliminates eventual corrosion leading to dendrite formations, leakage currents and shorts. Defluxing is highly recommended for circuit boards populated by BGA, CSP, LGA, QFN, MELF and other low standoff components.

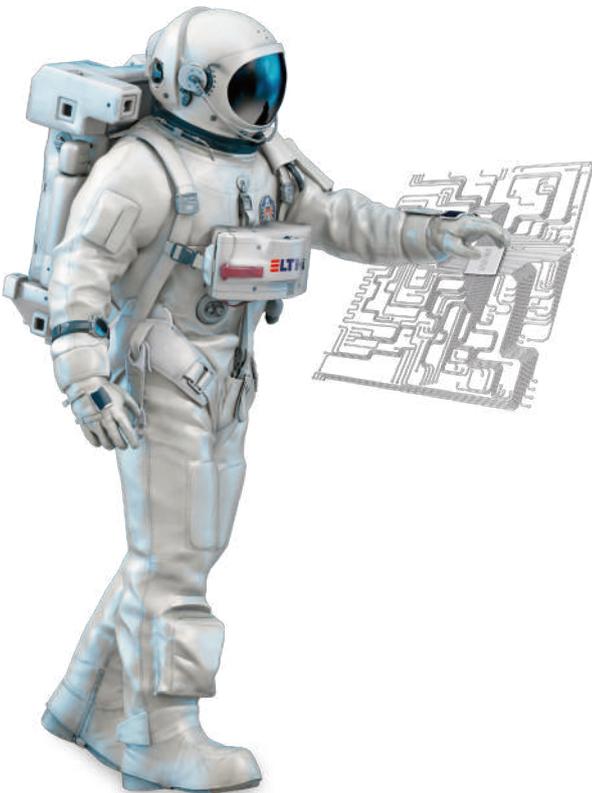


EMS EQUIPMENT





We provide **Specific** and **Measurable**,
Achievable but **Relevant**, **Time-based**
industry solutions.



SMARTID Ingenious Product™
ID Solutions

SMARTFRM PLASTIC Converting™
Solutions

SMARTMTL METAL Converting™
Solutions

SMARTESD Sustainable Safety™
ESD Solutions

SMARTEMS High Performance™
EMS Solutions

SMARTCHE High Precision™
CHEMICAL Solutions

Ardealul 70 • 300153 Timisoara • Romania

HQ +40 256 202 286 • +40 256 201 273

HQ +40 729 009 922 • +40 723 636 500

F +40 724 688 150 • lthd@lthd.com

www.lthd.com

www.lthd.com

