

MELSS

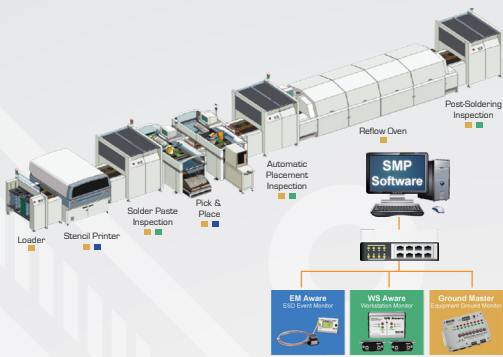


Enabling you to stay ahead of time



An ISO Certified Company

MEL SYSTEMS AND SERVICES LTD.



**DESCO
EUROPE**

DESCO EUROPE., UK

- ESD Workstation Monitors
- Equipment Ground Monitors
- ESD Event Monitors
- SCS Static Management Program
- SMP Diagnostic Kit
- Body Voltage Meter

INDIUM CORPORATION, USA

- Solder Paste
- Solder Wire
- TAC Flux
- Solder Preforms



KYZEN, USA

- EMS Cleaning Solution
- Metal/Industrial Cleaning Solution
- Specific to Aerospace and Defense Industry

OKI INTERNATIONAL INC., USA

- Precision Soldering and De-Soldering Solution
- SMT Rework Station
- Convection Rework Systems
- Fume Extraction Systems



- All-In-One Advanced Technology
- SMT Rework Station
- Contact-less Cleaning
- Multi Reball System

MELSS ROBOTIC SOLDERING

- 125W/250W Powerful Soldering Engine
- Easy Setup
- Wide Variety of Cartridges option for Point/ Drag Soldering



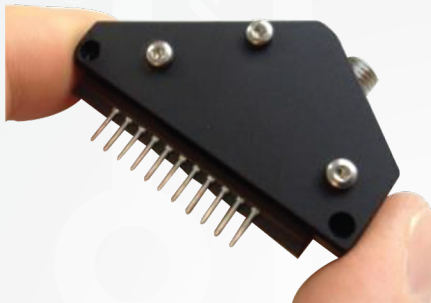


TECHCON, USA

- Precision Manual Dispensing Systems
- Robotic Dispensing Systems
- Dispensing Valves
- Syringe Barrels and Dispensing Tips
- Two-component Dispensing
- Jetting (Non-contact Dispensing)

EXCELITAS TECHNOLOGIES, CANADA

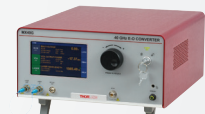
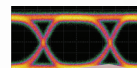
- UV LED Spot Curing Solutions
- UV LED Area Curing Solutions



IBSEN PHOTONICS, DENMARK

- Spectrometers
- Fiber Bragg Grating Interrogator
- Phase Masks
- Transmission Gratings

- THORLABS, USA**
- Optical Components
 - Opto Electronics
 - Opto Mechanics
 - Active Passive Devices



BPM MICROSYSTEMS, USA

- Automated Programmer
- Semi Automatic Programmer
- Manual Programmer

EVERETT CHARLES TECHNOLOGIES, USA

- Probes and Receptacles
- Customised Connectors
- MIL and Industrial Grade Connecting Solutions





ATLAS COPCO, SWEDEN

Micro torque Smart Screwdriver
Programmable Electric Screwdriver
Pneumatic Screwdriver
Compatible with Industry 4.0

MELSS ATE/FUNCTIONAL TESTERS:

MELSS has been the leader of designing and delivering Custom ATEs and Functional Testers for more than three decades. MELSS provides solutions for all types of Electronics Testing – Development, Production or Maintenance Environment using diverse technologies – Functional, In-Circuit, Digital, Analog, Hybrid, Combinational etc. Solutions can be provided for all types of applications in Consumer, Industrial, Defense and Aerospace.

- Electric vehicle – OBC & DC-DC ATE
- Power protection Relay ATE
- SMPS, Charger/Adapter ATE
- Inverter, UPS, Battery ATE
- Solar Inverter ATE
- LED Driver ATE
- Electronic Module ATE
- PCB level Functional ATE
- ATX/Telecom Power Supply ATE
- Military and Medical Power Supply ATE
- LRU/SRU Level Functional ATE – MELSS 9100
- RF ATE



CHROMA ATE INC., TAIWAN

Power Electronics Test Solutions

AC & DC Electronic Load, AC & DC Power Supply, Bi-directional DC Power Supply, Regenerative Grid Simulator, Solar Array Simulator, Automatic Test System (ATS), Digital Power Meter, DMM

Electric Vehicle Test Solutions and Battery Test Solutions

Battery Pack/Module Test Solutions, Li-ion Battery Cell Formation System, Battery Simulator, Motor Test Solution, OBC, DC-DC Converter, EVSE, Powertrain

Passive Component Test Solutions

LCR Meter, Auto Transformer Test System, H.F. AC Tester, Component Test Scanner, Milliohm Tester

Electrical Safety Test Solutions

Hipot Tester/Safety Tester, Ground Bond Tester, Impulse Winding Tester

Video & Colour Test Solutions

Colour Analyser, Video Pattern Generator

CHECKSUM, USA

Solutions for High Volume PCBA Panel Testing Applications

- In-Circuit Testing (ICT)
- In-System Device Programming (ISP)
- Parallel Functional Testing (PFT)



CHECKSUM



TERADYNE, USA

PCB Functional Test Systems
LRU Functional Test Systems
Functional Tester for MIL-Aerospace

NEXEYA, CANADA

Cable Harness Testers for Avionics and Rail Coaches
AC/DC Hipot Tester
Portable Harness Tester
Field Upgradable Units



SHINKEN, JAPAN

Uniaxial Electro Dynamic Vibration Test Systems
Triaxial & Combination Vibration Test Systems

NOISE LABORATORY CO., LTD, JAPAN

EMI Test Solution
ISO/IEC Compliance Testers for EMC



ESPEC, JAPAN

Environmental Test Chambers
Benchtops Chambers
Reach-in Chambers
Walk-in Chambers
Industrial Ovens



Quality is more than a word

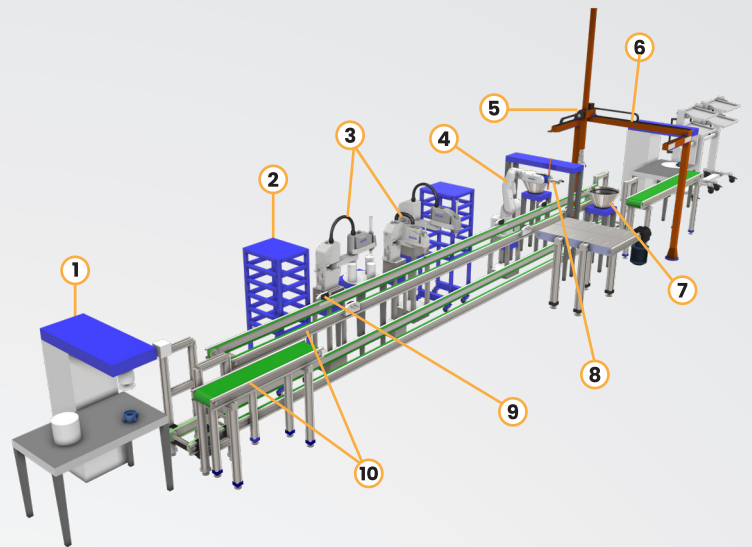
ESPEC, NORTH AMERICA

Bench-Top Vibration Systems
Portable Vibration Systems
HALT/ HASS Chambers



MELSS Automation Solutions

- 1 SPECIAL PURPOSE MACHINES
- 2 AUTOMATED STORAGE AND RETRIEVAL SYSTEMS
- 3 ROBOTIC DISPENSING, SOLDERING AND ASSEMBLY
- 4 COBOTS
- 5 GANTRY SYSTEMS
- 6 END-OF-LINE TESTING
- 7 CONVEYOR SYSTEMS
- 8 MACHINE VISION - INSPECTION & IDENTIFICATION
- 9 MES, TRACEABILITY & IOT
- 10 FEEDING SYSTEMS



sixdime PIK2LITE

Real-Time Traceability
 Reduce Picking Errors
 Improved Order Fulfillment Speed
 Real-Time Inventory Management



TRACEABILITY SOLUTIONS

Track and Trace solutions
 Mistake proofing/Poka Yoke
 Digital Walls and Dashboards
 Real Time Manufacturing information

- Machine Monitoring
- Overall Equipment Efficiency (OEE)
- Energy Monitoring

Solder Paste, Wire and Flux | Cleaning Chemicals | ESD Workstation Monitors
 SMT / BGA Rework Station | PCB Assembly & Bench Tools | Dispensing Systems | Memory Programmers
 Probes and Receptacles | Power Supply & Test Products | Component Testers | General T&M Products
 ATE / Functional Testers | EMI Test Products | Reliability Testers



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