

UMG Technologies, Inc.

INDUSTRY EXPERTS IN ELECTRONIC ASSEMBLY EQUIPMENT

When the marketplace asked for a truly price performing small footprint single item assembly system, we listened.

Introducing: **Model PLT-501** the smallest high volume Inline Interconnect Inserter available

INDUSTRY'S FIRST PIN / TERMINAL INSERTER

- With Plating Aspirators at Feed and Shear Points
- Servo Driven Lower Board Support Anvil
- 100% Insertion Reliability Checking
- Optional Rotating SMT Pin in Paste Anvil
- A Microsoft Windows Interface
- English, Spanish, Czech, Mandarin and Russian Menus
- Insertion Lead Sense
- Occupies 1 Meter of Flowline Space

INNOVATIVE PROCESS FEATURES

- Optional Brushless Servo-Driven Clinch Anvil
- Optional Force Monitoring with Lead Sensing (pat. pend.)
- Applicators available at 18,000 CPH and at 9,000 CPH
- Bi Directional Rotary Table
- Inline Conveyor Available
- Self-Calibrating with set-up Tools
- Optional PCB Thickness Measurement with Servo Applicators

OPERATOR INTERFACE / SOFTWARE FEATURES

- Microsoft Windows Presentation
- Four Pushbutton Control Panel
- Touch Pad Pointer
- SPC Fault Reports
- Machine Utilization Reports
- Productivity Reports
- Machine Manual / Help Files On-Board
- Preventive Maintenance Alert

OFF-THE-SHELF LEADING EDGE TECHNOLOGIES

- Intel PC Controller
- Yaskawa Brushless Servo Motors and Amplifiers
- Kuroda Ball Screws
- THK Linear Ways
- Motorola Digital Servo Positioning
- Opto-22 I/O
- Keyence and Omron Sensors
- Oriental Motors
- SMC Pneumatics

STANDARD FEATURES

- Optical Vision
- CAD Data Driven / Compatible
- Self-Teach Programming
- Excel Compatible
- Full Screen Editor
- Extensive Diagnostics
- Multi-Level Password Security
- Material Splice Detection
- End of Material Notice

PRODUCTION FEATURES

- Aspirators at Component Feed & Cut
- Optical Insertion Hole Correction
- Auto Repair Component Present Inspect
- Preventive Maintenance Alert
- Insertion Lead Sensing
- Part in Tooling Sensors
- Automatic Material Feed by Lead Sense
- End Of Reel / Tab Material Sensor
- Mechanical Control of Material Payoff
- 304mm (12")L x 280mm (11")W Insert Area
- Optional Force Measurement Capability



OPTIONAL FEATURES

- Inline Conveyor
- European Conformity "CE"
- Bar Code Product Changeover
- Input Material Verification by Barcode
- LAN Connection
- Force Monitoring with Product Reporting

AVAILABLE INSERTION APPLICATORS

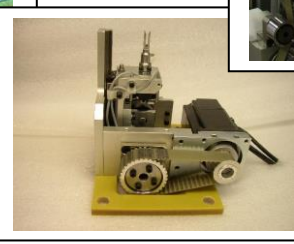
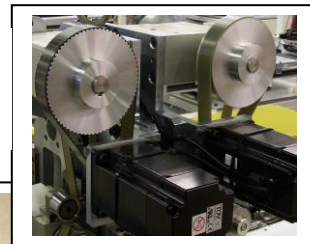
- Terminal, Pins and Loose Interconnects
- Compliant Lead Press Fit Insertion
- Large Molded Connectors
- Pin in Paste Process Ready

Quick Change Modular Toolsets



SMT Servo Anvil

Servo and Pneumatic Driven Applicators



INTRODUCING THE PLT-501 Odd-form Single Head Interconnect Inserter (a line balancer for your volume content).

The industry's first flexible small footprint interconnect attachment platform designed with the production manager in mind. Our Lean 501 Single Head platform is built using the same technology as our successful multi head 901 and 902 SXT interconnect attachment systems. It provides medium or high volume production in a small footprint flexible cost-effective platform. This lean machine solution is designed for single item interconnect assembly or multi pin high volume line balancing. It provides world-class manufacturers with insertion reliability at the lowest cost of ownership for single item assembly.

The PLT-501 is the smallest footprint volume production platform for terminal, pin and molded connector attachment.

UMG Technologies, Inc.

Industry Experts in Electronic Assembly Equipment

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