The FG Mach III Pinspotter was designed utilizing the best of current technologies to provide greater power and reliability for insulation fastening. The inherent minimal material handling and the use of welded pins will insure your shop a cost efficient, quality product. Our upgraded FG Mach III machine is capable of welding pins up to 4” to address the higher R-value insulation now being specified throughout the industry. Will weld the full range of Duro Dyne pins on galvanized metal up to 18 gauge.

For best performance, use genuine Duro Dyne insulation fasteners

- Rib Pins
- Slope Pins
- Target Pins
- Econo-Point Pins
- Gold Seal Pins

LED indicators for ease of function & serviceability

Easy manual loading/unloading feature for 3” & 4” weld pins (track holds up to 40 weld pins)

4” PINS ON 4” INSULATION

Wider mouth design for welding up to 4” duct liner with 4” weld pins

New heavy duty vibrator base & bowl for welds pins up to 2”

Floating upper weld tip assembly for weld cable and weld tip longevity

An optional machinery lift kit is also available for a custom ergonomic work space.

Redesigned more efficient single transformer for a wider range of welding capabilities

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SLOPE PINS

GOLD SEAL PINS

ECONO-POINT PINS

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**FEATURES**

**MINIMIZED FASTENING TIME**
With a simple press of the footswitch, a weld pin is pressed through the liner and welded to the sheet metal in a fraction of a second. The welding tip then retracts and another pin is automatically fed into position.

**SUPERIOR HOLDING POWER**
Only through welding can the fastener become united with the sheet metal. Fastener failure during fabrication, transport and installation is eliminated.

**CONTROL REDUNDANCY**
Features two electronic weld relays. Should one fail during a job a simple flip of a switch puts the backup online so you can continue working while waiting for a replacement part.

**MEETS SMACNA SPECS**
The welded fastener fully meets specifications as outlined in the SMACNA manual.

**EASY CONTROLS**
One adjustment sets the weld and dwell times for perfect welds every time. A digital display provides easy reference to settings for repeatability. A central located weld cycle indicator confirms power to the transformers on each cycle.

**PIN AND TIP**
Pins are magnetically held by the upper electrode ready to be pressed through the insulation and welded to the duct in a fraction of a second.

**FOOTSWITCH**
The footswitch frees the operator for handling of small fittings and odd shapes. It features a protective covering to minimize the accidental actuation of the machine. 16 foot cable length.

**HOPPERS**
A specially designed heavy duty vibrator parts feeder for weld pins up to 2”. Pins are automatically supplied to the track.

**FEEDING TRACK**
A tested gate design feeding track insures jamless feeding of pins. Costly double feeding is eliminated.

**FEED TRACK SENSOR**
An electronic sensor controls the vibrator to assure a full track of pins.

**COMPONENT TRAY**
The solid state pneumatic head design provides extremely reliable operation with a minimum of components. Repairs, should they be required, are performed by modular component replacement. 24 volt circuitry provides for safe maintenance and ease of operation.

**OPERATIONS DISPLAY**
This helps identify the source of a problem should the pinspotter fail to properly perform. Lights give you a clear indication of electrical flow of the various circuits and components during use. Simply press the footswitch and note which lights fail to illuminate.

**SPECIFICATIONS**

**ELECTRICAL**
Input voltage: 230V, 60 Hz single phase, 60 amp service.

**AIR REQUIREMENTS:**
Input pressure of 80 psi.

**THROAT SIZE:**
A 69” throat allows fasteners to be placed up to 1.5” from edge of work without repositioning.

**PIN CAPACITY:**
The vibrator bowl holds approximately 1,000, 1 inch fasteners. Fasteners of .5” to 2” in length may be fed automatically. Manual feed available for up to 4” pins.

**MINIMIZED FASTENING TIME**
Note: For best performance, use genuine Duro Dyne insulation fasteners.