

**MODEL FG
PINSPOTTER
ITEM # 27188**

FG MACH 705

The FG Mach 705 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 FG Mach 705 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.

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

Heavy duty vibrator base & bowl for weld pins up to 2"

**4" PINS
ON 4"
INSULATION**

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

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

Magnetic LED light

Optional Foot Pedal

For best performance,
use genuine Duro Dyne insulation fasteners



**RIB
PINS**



**SLOPE
PINS**



**TARGET
PINS**



**ECONO-
POINT PINS**



**GOLD
SEAL PINS**



**CWFTC
PINS**

**MACHINERY
DIVISION
7/15/2026**

**DURO
DYNE**®

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.

MEETS SMACNA SPECS

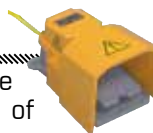
The welded fastener fully meets specifications as outlined in the SMACNA manual.

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.

CONVENIENTLY LOCATED CONTROLS

One adjustment sets the weld and dwell times for perfect welds every time.

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.

SOLID-STATE COMPONENTS

Components proven under rigorous shop usage, control the pneumatic and weld circuitry. Few adjustments are required.

18 GAUGE CAPACITY

With a custom designed high powered transformer, the RH will weld up to 4" pins to 18 gauge effortlessly.

BALL TRANSFER (OPTIONAL)

Roller feed tables with ball transfers adjoining the RH enable work to be easily positioned by the operator; in many cases with just one hand. Productivity is increased and worker fatigue minimized.

Ball Transfers
DD Item #27025
Code: BT100



SPECIFICATIONS

ELECTRICAL

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

AIR REQUIREMENTS:

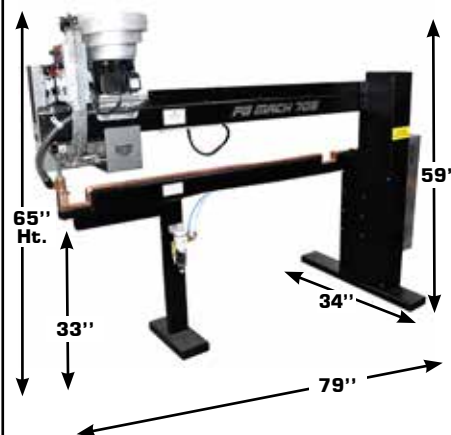
Input pressure of 80 psi.

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.



Note: For best performance, use genuine Duro Dyne insulation fasteners

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