

MODEL FG PINSPOTTER

ITEM # 18001 &
ITEM #18003

MACH I & II

The Mach I and Mach II Pin Spotters were 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.

FG MACH I

The standard Mach I will weld 1/2 to 2 inch pins on galvanized metal from 26 to 20 gauge.

FG MACH IIa

The more powerful Mach IIa with a high performance transformer, will weld the full range of Duro Dyne pins on galvanized metal up to 18 gauge.

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.

PROVEN RELIABILITY:

Trouble-free service was the foundation on which the original FG-1 was built with proven solid state components located for easy access. The Mach I and IIa series continues this concept and brings it to a new level of reliability, serviceability and efficiency.

SUPERIOR HOLDING POWER:

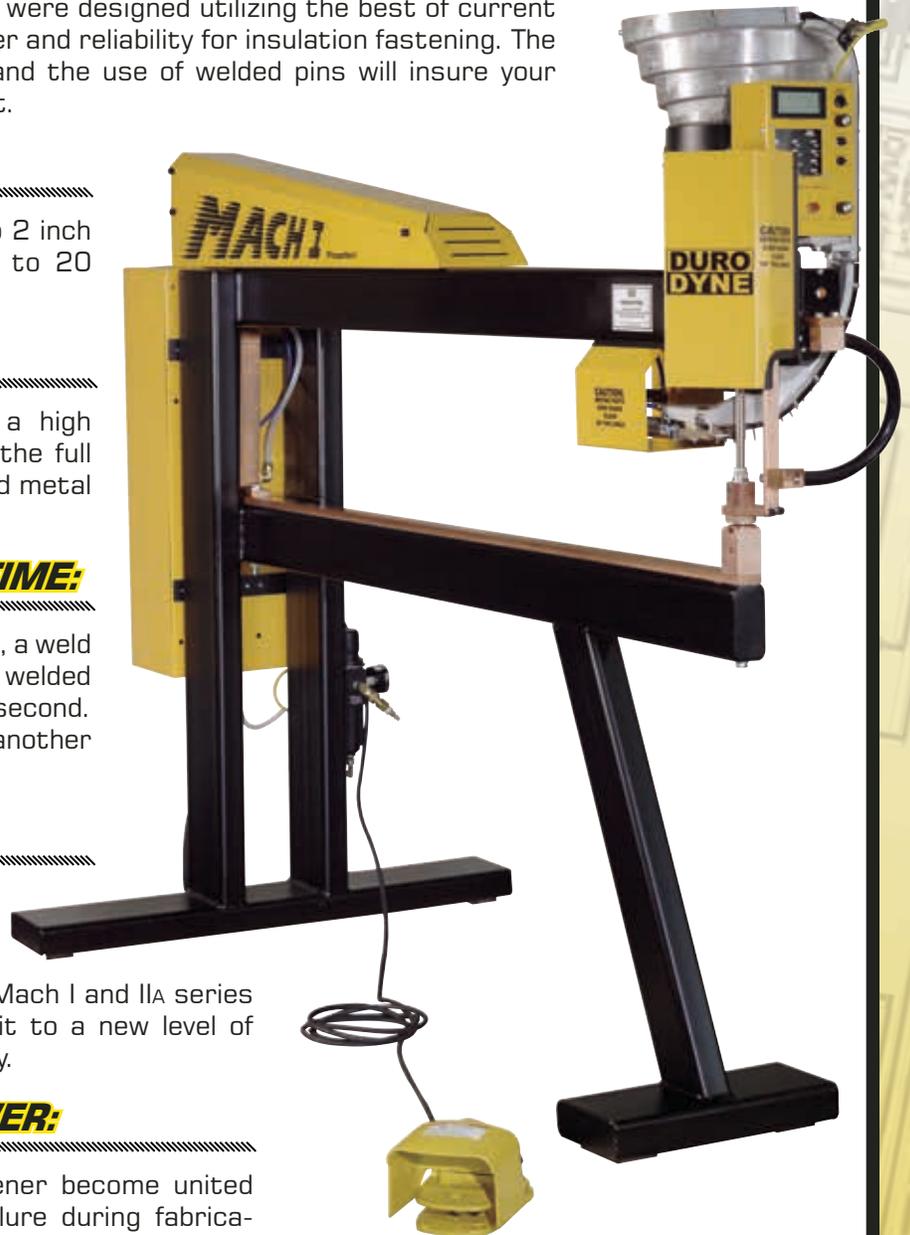
Only through welding can the fastener become united with the sheet metal. Fastener failure during fabrication, transport and installation is eliminated.

CONTROL REDUNDANCY

The Mach I and Mach IIa feature 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.



MACHINERY DIVISION
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FEATURES

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.

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.



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.

HOPPERS

A specially designed vibrator parts feeder holds approximately 1,000, 1 inch pins. 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.

SPECIFICATIONS

ELECTRICAL, MACH I:

Input voltage: 230V, 60 Hz single phase, 30 amp service.

ELECTRICAL, MACH IIa:

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

AIR REQUIREMENTS:

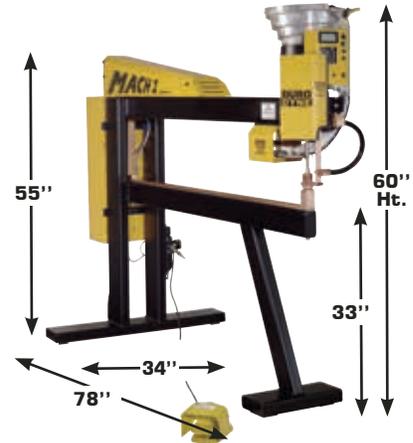
Input pressure of 80 psi.

THROAT SIZE:

A 69" throat allows fasteners to be placed up to 1.5" from edge of work without repositioning.

RIB PIN CAPACITY:

The vibrator bowl holds approximately 1,000, 1 inch fasteners. Fasteners of .5" to 1.5" in length may be fed automatically.



The FG MACH I and MACH IIa utilize Rib Pin™ fasteners which are resistance welded to ductwork securely attaching the fiberglass insulation. Rib Pins are unsurpassed in holding power. In tests conducted by an independent laboratory, samples exhibited holding strength averaging three times that of nail type fasteners.

Item#	Rib Pin	Approx Clip Size	For Liner Size	Pkg.
26023	CP-12	1/2"	1/2"	1M
26028	CPB-12	1/2"	1/2"	5M
26024	CP-34	3/4"	1"	1M
26029	CPB-34	3/4"	1"	5M
26025	CP-100	1"	1" Heavy Density	1M
26030	CPB-100	1"	1" Heavy Density	5M
26026	CP-150	1 1/2"	1 1/2"	1M
26031	CPB-150	1 1/2"	1 1/2"	3M
26027	CP-200	2"	2"	1M
26038	CPB-200	2"	2"	3M

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

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