



MACHINERY
PRODUCT BROCHURE

FG Mach 70

Automatic Bulk Feed Pinspotter with Five Foot Throat

The Platinum Edition FG Mach 70 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 machine is capable of welding pins up to 4" to address the higher R-value insulation now being specified throughout the industry.

ITEM #	CODE	DESCRIPTION
27184	FG MACH 70	Wide Mouth, High Capacity Bulk Feed Automatic Pinspotter

► 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"

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

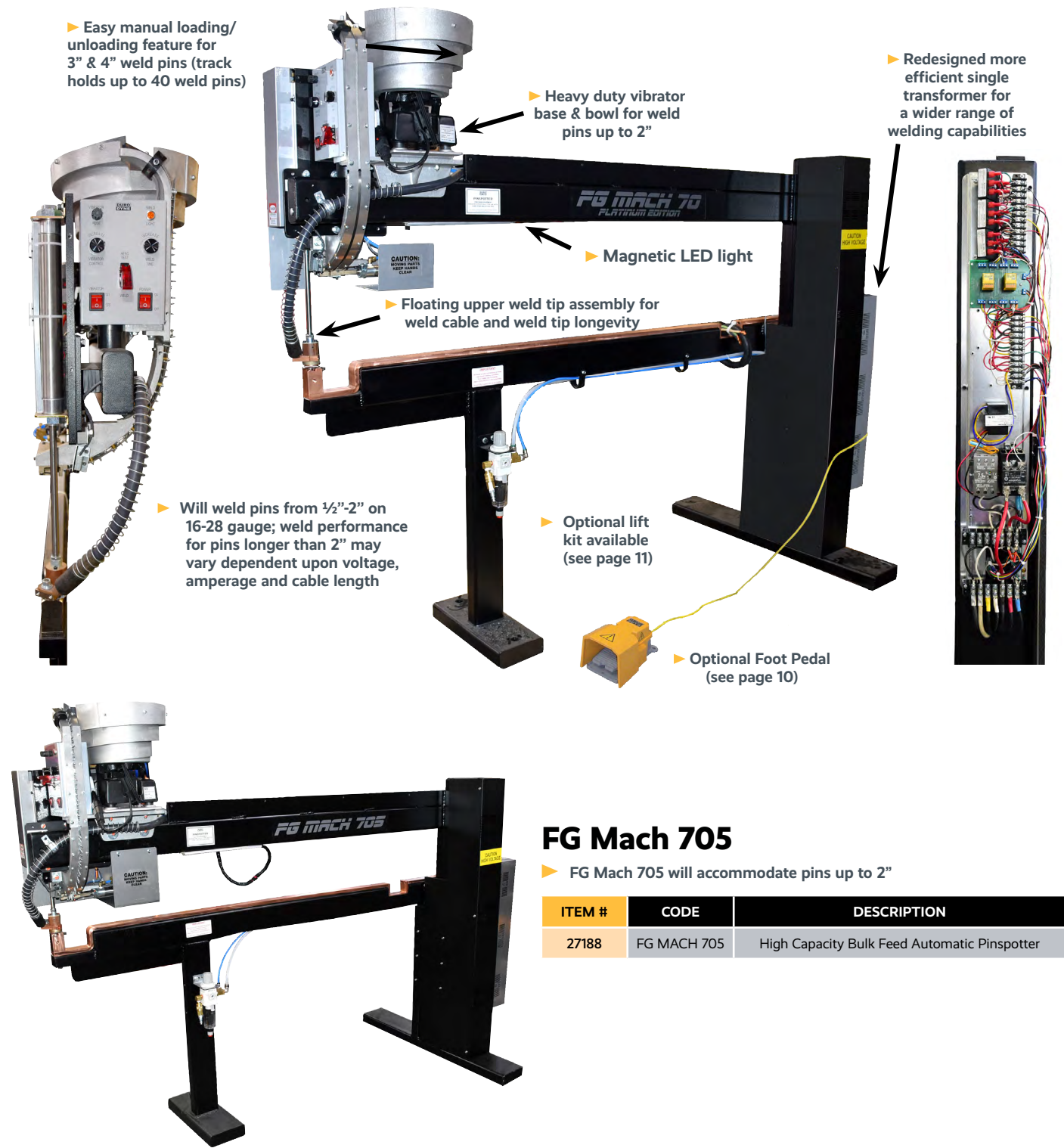
► Magnetic LED light

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

► Will weld pins from 1/2"-2" on 16-28 gauge; weld performance for pins longer than 2" may vary dependent upon voltage, amperage and cable length

► Optional lift kit available (see page 11)

► Optional Foot Pedal (see page 10)



FG Mach 705

► FG Mach 705 will accommodate pins up to 2"

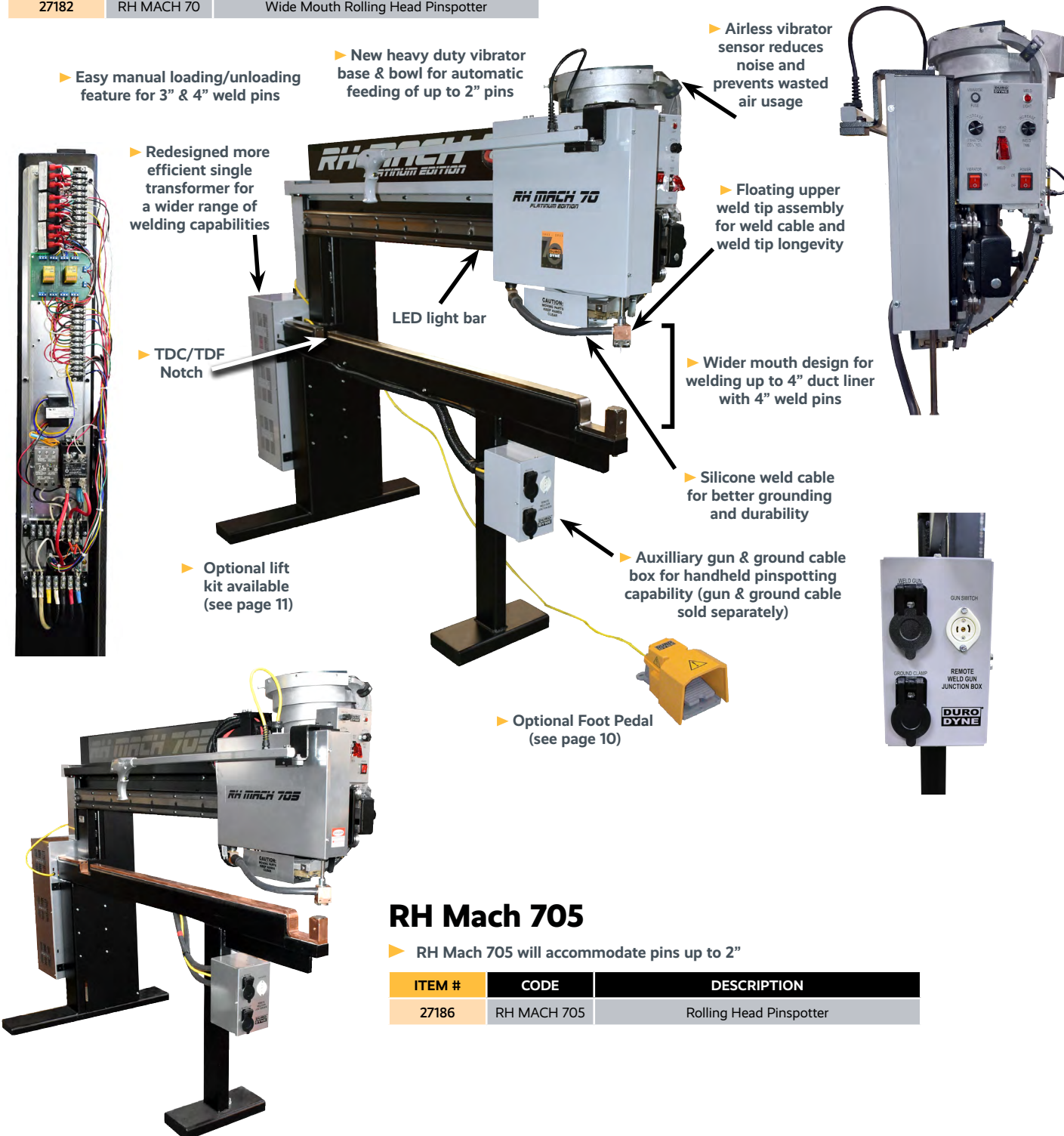
ITEM #	CODE	DESCRIPTION
27188	FG MACH 705	High Capacity Bulk Feed Automatic Pinspotter

RH Mach 70

Rolling Head Automatic Pinspotter

The RH Mach 70 Pinspotter features a more efficient transformer that provides a wider range of welding capabilities. The Heavy Duty Vibrator Bowl and base weld pins up to 2" and the optional manual feed accommodates pins up to 4" on 4" insulation. A floating upper weld tip and an optional lift kit are among some of the improvements to this Pinspotter. The RH Mach features the Rolling Head for easier material handling. It also features a notch on the support bar to easily accommodate TDC/TDF duct. The ability to move the trolley instead of the ductwork minimizes material handling. This feature coupled with utilization of welded pins will insure your shop of a cost efficient, quality product.

ITEM #	CODE	DESCRIPTION
27182	RH MACH 70	Wide Mouth Rolling Head Pinspotter



RH Mach 705

► RH Mach 705 will accommodate pins up to 2"

ITEM #	CODE	DESCRIPTION
27186	RH MACH 705	Rolling Head Pinspotter

FPP70 PLATINUM EDITION

The FPP70 works in conjunction with the Duro Dyne MF70 compact pinspotter (sold separately). The FPP70 is fully assembled for pneumatic and electronic controls to allow the MF70 welding source to be utilized as both a hand held pinspotter and a fixed head pinspotter. This provides the customer with greater capabilities at a lower cost. The MF70 when used with the FPP70, will weld pins from 1/2 inch to 2 inches long on 26 to 20 gauge.

Features:

- ▶ Increased Speed 2-3x faster!
- ▶ Automatic Pin Feed
- ▶ Vibrator bowl with 1,000 - 1" pin capacity
- ▶ Capable of bulk feeding and welding 2" pins with 2" liner
- ▶ Feed Track sensor to ensure a full track of pins
- ▶ Dwell timer for a more consistent weld
- ▶ Foot Pedal for hands free operation
- ▶ Front mounted Air Regulator Assembly for easier accessibility
- ▶ 5 foot throat
- ▶ Please note: The FPP70 is powered by the MF70 (or previous MF12A, MF12 Models) and will not function without this power source.



*MF70 sold separately



ITEM #	CODE	DESCRIPTION
27181	FPP70	Automatic Bulk Feed 5ft Conversion Platform

HIGH SPEED MULTIHEAD PINSPOTTER

Trouble free service has always been the foundation on which all Duro Dyne Pinspotters are built. All components are designed for easy access for maintenance and service bringing even higher levels of reliability, serviceability and efficiency.

Features:

- ▶ Full production capacity from 1/2 inch pins on light gauge material all the way up to 10 foot sheets of 16 gauge material pinned with 2 inch pins at 6 inch centers at 50 feet per minute.
- ▶ Newly designed pin feed system accommodating 1/2 inch to 2-1/8 inch pins with no change of bowls required.
- ▶ Open Air design that allows operator a full view of material as it passes through the line.
- ▶ Ambidextrous Control Console with Umbilical cord allows operation from either side of fabrication line, to accommodate L to R and R to L work flow.
- ▶ Non-slip belts & magnetic hold downs to insure positive ground and stability during the weld cycle.
- ▶ Fold up gantry to allow easy replenishment of pins.
- ▶ Monitor pin level from the floor with the high mount mirror system
- ▶ Will weld pins from 1/2"-2" on 16-28 gauge.

ITEM #	CODE	DESCRIPTION
39072	HSMH5	5-Head Unit

*6 ft. coil line model also available



MULTIHEAD PINSPOTTER

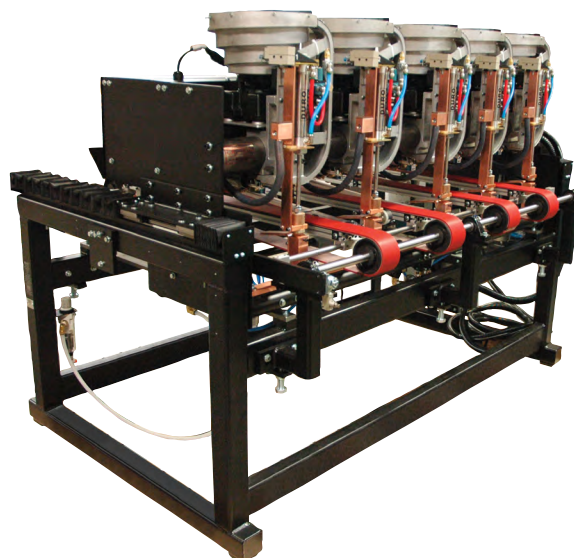
The FGMH Multihead Pinspotter from Duro Dyne will provide maximum fastening quality with minimum maintenance. The Floating carriage design of the FGMH eliminates the need for stopping the material for installation of fasteners and ensures speeds of 40 ft per minute. All Solid state components are easily reachable through simple access panels.

Features:

- ▶ Will weld pins from 1/2"-2" on 16-28 gauge

ITEM #	CODE	DESCRIPTION
39074	FGMH5	5-Head Unit

*6 ft. coil line model also available



CCD110N

For use with 1/2" - 4" Weld Pins

The CCD110N, Capacitor Discharge Welder, is designed for the convenience and comfort of the operator. It is powered by a 110 volt power source so it is ideal for smaller shops and light industrial applications. It will weld pins from 1/2" to 4" long. Its portability on the job, enhanced by its adjustable shoulder strap, makes the CCD110N a smart choice for insulation applications. The CCD110N also features a stud capacity of up to 1/4" steel and stainless steel for enhanced versatility.



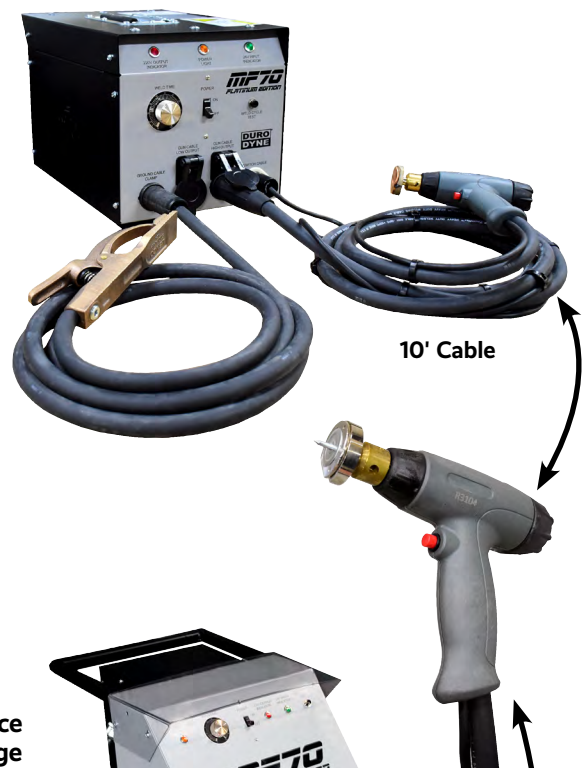
ITEM #	CODE	DESCRIPTION
27122	CCD110N	Compact Capacitor Discharge Pinspotter 110V

MF70 PLATINUM EDITION

For use with 1/2" - 4" Weld Pins

Special design welding transformers allow the MF70 to deliver more power, precisely timed to the welding tip. The MF70 will weld pins from 1/2"-4" on 26-16 gauge; weld performance for pins longer than 2" may vary dependent upon voltage, amperage and cable length. Proven solid-state weld control circuitry guarantees years of reliable, trouble free service in your shop.

Input voltage: 208-230 V 60 HZ single phase. 60 amp service.



ITEM #	CODE	DESCRIPTION
27180	MF70	Variable Capacity Compact Portable Pinspotter

PBF570 PLATINUM EDITION

Heavy Duty Pinspotter

For use with 1/2" to 4" Weld Pins

The PBF will weld pins from 1/2"- 4" on 26 - 16 gauge; weld performance for pins longer than 2" may vary dependent upon voltage, amperage and cable length. Standard 16 foot gun cable and 11 foot ground cable. Gun Cable is extendable to 24 feet with optional extension set (Item # 27054)

Place a pin on the magnetic tip, insert the pin through the insulation, give the pin a 1/4 twist and depress the trigger switch. For PN type fasteners use a TP2 tip.

Input voltage: 208-230 V 60 HZ single phase. 100 amp service.



ITEM #	CODE	DESCRIPTION
27187	PBF570	Hi-Capacity Portable Pinspotter



MACHINERY INSULATION CUTTERS

PLSU3

Automatic Insulation Cutter for use with 1/2" to 2" liner

The PLSU3 is the latest in Automatic Liner Sizer cutters for the HVAC Industry. The gear driven splitter and a pulley driven cross cut blade create a powerhouse to tackle all specialty insulations. This new cutting action will allow the PLSU3 to accommodate virtually all insulation types on the market including closed cell products, cotton fiber, Neoprene, Elastomeric Foam & more.

Features:

- ▶ Durable pulley driven cross cut blade for cutting to length.
- ▶ 1 gear driven splitter for cutting various widths. (4 can be added for additional cost)
- ▶ An insulation frame is designed to keep liner square and hold 1 roll standard.
- ▶ Micro switch interlocks on all guards for safety.
- ▶ Reliable pneumatic controls
- ▶ Proven 24-volt components for all control circuits.
- ▶ Drive rollers of the PLSU3 also run in reverse for easier material loading/unloading
- ▶ Portable controls allow for one machine to work for both 'Left to Right' and 'Right to Left' flows. The PLSU3 can also be manually operated if desired in addition to automatic operation.
- ▶ The PLSU3 is built to maintain a tolerance of + or - 1/4" of length desired as well as slitting accurately to desired widths.

ITEM #	CODE	DESCRIPTION
40021	PLSU3	Automatic Universal Liner Sizer



LSHT5

Liner Sizer for use with 1/2" to 2" liner

The LSHT5 Liner Sizer will help size and cut duct liner more efficiently than ever thought possible with a hand operated machine. Economical & designed to cut fiberglass insulation.

ITEM #	CODE	DESCRIPTION
27189	LSHT5	Liner Sizer



LSU

Liner Sizer for use with 1/2" to 2" liner

The LSU Advance Liner Sizer will help size and cut duct liner more efficiently than ever thought possible with a hand operated machine. The cross cut and slitter blades are mechanically gear driven to spin while cutting. This spinning action shears the material to create precise cuts in the most difficult of substances.

Features:

- ▶ Its enhanced features make it possible to cut cotton fiber insulations, filter media, rubberized products and other unusual materials.

ITEM #	CODE	DESCRIPTION
28076	LSU	Advanced 5ft. Insulation Cutter w/ 1 Slitting Assembly



LSU Capabilities



Super Sprayfast Universal

For use with WITM adhesives

The revamped Universal version of our Super Sprayfast Adhesive Applicator (SSFU) machine makes it possible to use the same applicator on either a 5 gallon bucket or 55 gallon drum. In addition, it now also includes a new flush kit for easy clean up and maintenance. The SSFU features an acetal/teflon diaphragm pump circulating system and surge tank to provide quick, easy and even spray, with minimal overspray.

Features:

- ▶ Designed for use with 5 gallon pails or 55 gallon drums of water-based adhesive
- ▶ Pump is self-priming and charges the spray gun quickly.
- ▶ 25-foot hose gives the operator plenty of freedom of movement.
- ▶ For use with water based adhesives - these adhesive are nonflammable and contain zero solvents
- ▶ No venting is required
- ▶ The built in surge tank helps maintain an even spray
- ▶ The spray gun is constructed of aluminum and stainless steel to resist corrosion
- ▶ It is recommended you flush out your SSFU weekly
- ▶ The new flush kit of the SSFU model makes this clean up and maintenance procedure easier than ever before. Simply close the glue valve, open the water valve and set your water hose into a 5 gallon pail of water. Then, spray out any remaining glue in your hose. The pump will flush out the hoses for the next use.



5 gallon & 55 gallon pick-up tubes included

ITEM #	CODE	DESCRIPTION
5151	SSFU	Super Sprayfast Universal Adhesive Applicator

GBACW

High-Performance Water Roll Coating System

Our GBACW system enables cost-effective, high-speed water application to adhesivebacked liners. Paired with the Roto Bonder, it maximizes production efficiency by quickly prepping liners for bonding to metal.

ITEM #	CODE	DESCRIPTION
41037	GBACW	Roto Bonder



Designed to activate

JM
Johns Manville
pre-glued liner

GBAC

Adhesive applicator for use with water based adhesives

The GBAC applies Duro Dyne WITLV, WITM, and WITHS water base adhesive to insulation in preparation for application to sheet metal. It requires 110v service fused for 15 amps. A source of air is required. Please specify the direction of work flow when ordering.

ITEM #	CODE	DESCRIPTION
39171	GBAC	Roto Bonder w/Circulating Sys. - left to right flow
39250	GBAC	Roto Bonder w/Circulating Sys. - right to left flow



L to R Shown

Scan to watch a video



WITLV, WITM, & WITHS

Water based adhesives for bonding insulation material to sheet metal - work great with GBAC models

Available in 1 Gallon, 5 Gallon, or 50 Gallon Drum.



MACHINERY SPOTWELDERS

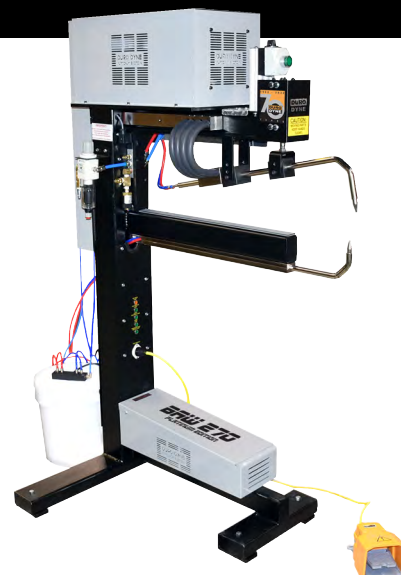
BAW *PLATINUM EDITION*

The BAW Free Standing Spot-Welding Machine will weld metal from 30 gauge to 11 gauge. It features a specially designed transformer and features a pump that cools the welding tips so there are no burning hazards. The BAW is an efficient but powerful resistance welder designed specifically to do the job of spot welding steel in configurations most usually encountered during sheet metal duct applications. The 5 foot throat of the BAW570 allows you to weld large sheets with minimal movement of material. The 2 foot throat on the BAW270 offers the same machine capabilities in a compact footprint.

Features:

- ▶ Basic Electrical Controls are all that is needed to control this user friendly welder
- ▶ The low profile bottom arm and tip assembly enables you to weld pipe and fitting having a cross sectional dimension as small as 6 inches
- ▶ Unique water cooling system injects water into the tip and then continues through the entire arm, ensuring both the arm and tip assembly will never over heat
- ▶ Simple water cooling system: Connect the cooling hoses, add water to the pail, then plug the pump into the receptacle on the back of the BAW
- ▶ Electric foot switch controls electronic circuits which operates the arms pneumatically
- ▶ Unit is designed so the operator can stop the cycle at any time by releasing the foot switch, allowing the operator to correct any errors

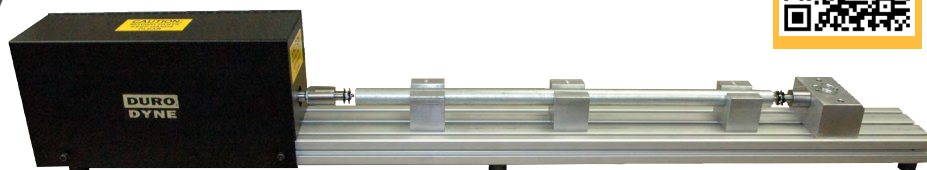
ITEM #	CODE	DESCRIPTION
27185	BAW570	5ft Turbo Water Cooled Spot Welder
27183	BAW270	2ft Turbo Water Cooled Spot Welder



MACHINERY ROD-LOC MACHINE

Rod-Loc Insertion Machine

The Rod-Loc Insertion Machine offers contractors a fast and convenient way to set up rod locks and conduit. It runs off of a standard 110 volt outlet and a 70 PSI minimum air supply. Simply place either 3/4" or 1/2" conduit in the cradle and a rod loc on each side, and by the flip of a switch the air cylinder inserts a rod lock on both ends simultaneously of hollow conduit at the perfect inset spacing, eliminating the old timely hammer in method! Footswitch accessory also available.



ITEM #	CODE	DESCRIPTION
43011	WVDL1234A	Rod-Loc Insertion Machine

MACHINERY REPLACEMENT PLATES & TIPS

Machinery Consumables

Nickel plated for improved performance.



FG, RH & MH
Upper Replacement Plate Pkg.
Part# 18031



FG, RH & MH
Lower Replacement Plate Pkg.
Part# 18032



FG, RH & MH Upper Weld Tip Assy
Part# 18033



FG, RH & MH Lower Weld Tip Assy
Part# 18034



TP9 MF/PBF Weld Tip Kit
Part# 18035

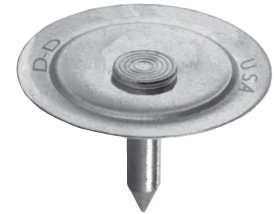
MACHINERY INSULATION FASTENERS



► BDEP Target Pins



► CWFTC Cupped
Washer Pins



► CTC Slope Pins



► SSP Gold Seal Pins



► FTC Econo-Point Pins



► CP Rib Pins

Spiral Wand Set

The Duro Dyne Spiral Wand foot pedal activated gun works with your PBF and MF units. The 4½ ft compact design allows pinning in small diameter round pipe and is able to reach the center of 10 ft spiral duct. The magnetic tip hold pins for precision placement.

Wand, cable, and foot pedal included.

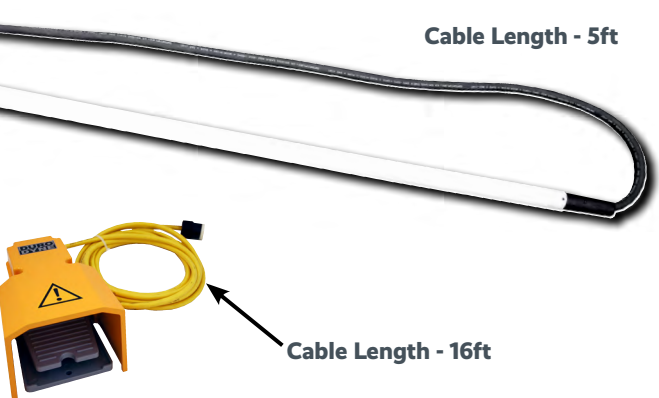
Features:

- ▶ Works with PBF and MF style Pinspotters
- ▶ Overall length 4½ ft.
- ▶ Able to reach center of 10 ft. spiral
- ▶ Compact design allows pinning in small diameter round pipe
- ▶ Magnetic tip hold pins for precision placement

ITEM #	CODE	DESCRIPTION
27002	SWG4.5	Spiral Wand Set



[Scan to watch a video](#)



Foot Pedal

The cast aluminum foot pedal from Duro Dyne comes standard with certain models of machinery to free up the operators hands for easier material handling. It is a light, durable, cast aluminum foot pedal and features a large opening to accommodate today's steel/composite toe boots.

It can accept a maximum voltage of 250VAC and can be used universally on all our machines that accommodate a foot pedal option such as the RH series pinspotters, FG series pinspotters and Rod Lock Insertion machine.

Features:

- ▶ Extra Heavy Duty
- ▶ Cast aluminum
- ▶ 16 ft. cable length
- ▶ Large opening to accommodate steel/composite boots

ITEM #	DESCRIPTION
17372	Footswitch



Gun & Cable

A new, innovative, ergonomic, high impact gun allows more flexibility during operation. The cable enters through the bottom rather than the back, making it more comfortable to use. The plastic molded casing makes the gun lightweight and durable, and its compact size allows welding in round duct as small as 8 inches.

Features:

- ▶ Available in 16ft cable & 10ft cable
- ▶ Lightweight & durable
- ▶ Compact Size
- ▶ Ergonomic design
- ▶ Rebuildable

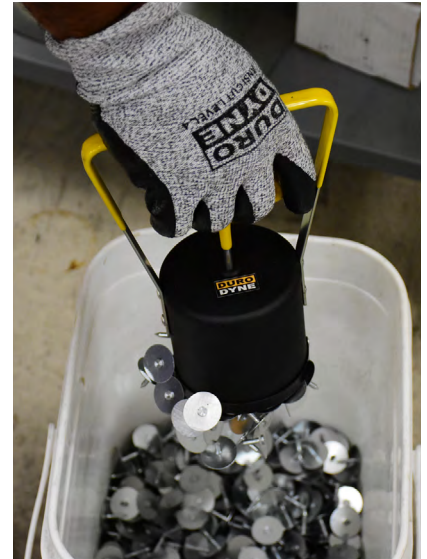
ITEM #	DESCRIPTION
27275	10ft Cable
27276	16ft Cable



Mighty Mag Plus

This lightweight magnetic materials handler, with five pounds of holding power, has a “T” handle release. It is designed for easy one-hand operation.

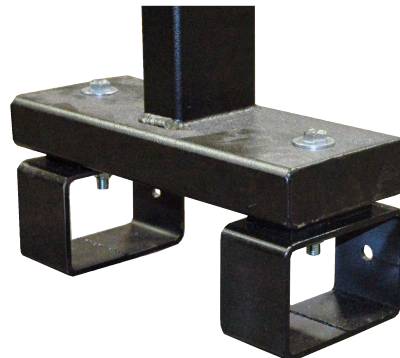
ITEM #	DESCRIPTION
22040	Mighty Mag Plus



Lift Kit

An optional machinery lift kit is also available for a custom ergonomic work space. Multi-Height Pinspotter Lift Kit will allow for height increase of 4" or 6".

ITEM #	DESCRIPTION
17135	Lift Kit





**To order, contact your
local sales representative.**

durodyne.com

TEL
631-249-9000

FAX
631-249-8346