

# MF-12A PINSPOTTER ITEM # 27110

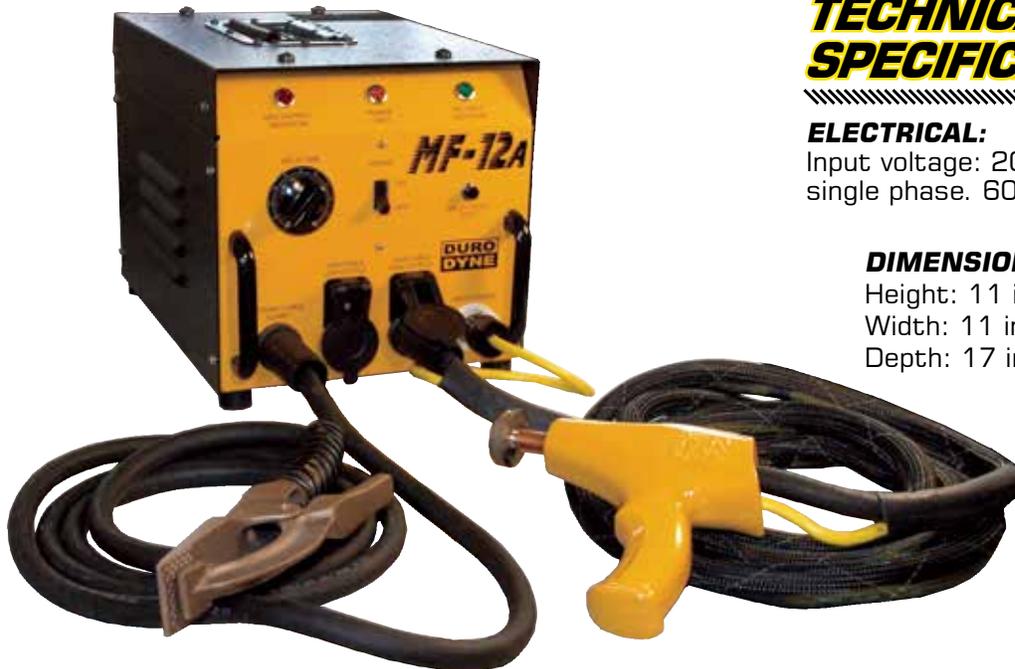


## GENERAL DESCRIPTION

Duro Dyne's MF has been the standard for entry level "through insulation" welders for over 30 years. Proven performance and high reliability have made the MF a "Must Have" for any sheet metal shop which does occasional insulating. Duro Dyne now introduces the MF12A, building on that history, and creating a new pinspotter with greater power and versatility. Special design welding transformers allow the MF12A to deliver more power, precisely timed to the welding tip. The new MF12A will weld pins from 1/2 inch up to 4 inches long on steel up from 26 to 16 gauge. Proven solid-state weld control circuitry guarantees years of reliable, trouble-free service in your shop.

## FEATURES

- Compact design for easy handling
- Standard 10 foot gun cable and 10 foot ground cable
- "Easy read" weld timer for precise control
- Panel mounted test switch and indicator lights for easy troubleshooting.
- Proven Solid State controls
- For use with FTC, CP, SSP, BDEP, CTC, PN\* & LN\* weld pins  
(\*Change tip from TP8 to TP2 for PN, and to TPL2 for LN)



## TECHNICAL SPECIFICATIONS

### ELECTRICAL:

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

### DIMENSIONS:

Height: 11 inches  
Width: 11 inches  
Depth: 17 inches

For best performance,  
use genuine Duro Dyne insulation fasteners



RIB  
PINS



SLOPE  
PINS



TARGET  
PINS



ECONO-  
POINT PINS



GOLD  
SEAL PINS

**MACHINERY DIVISION**  
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## ***SPECIFICATIONS- MODEL MF-12A PINSPOTTER***

**Physical Dimensions: (See Photo at right)**

**A. 11" B. 17" C. 11"**

**Electrical Information:**

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



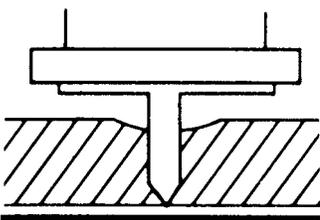
## ***PUT THE MF-12A TO USE IN YOUR SHOP AS A BENCH TOOL***

To use your work bench as a welding table, cover the bench top with a copper (.025) inch thick sheet. Set the MF-12A on the bench top. Attach the MF-12A ground clamp to the copper sheet and it will act as a ground when the duct rests on the bench top. Activate the trigger switch and pins quickly weld every time. No burn marks or wasted pins due to misfires.

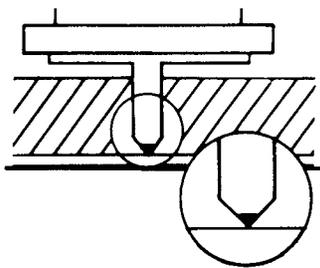
## ***BRING THE MF-12A TO THE WORK***

- When duct is too large to put on a bench, snap the ground clamp onto the duct and secure the insulation quickly by welding pins inside or outside of the duct as required.
- Eliminate the heat mark on the duct by using the simple "heat sink" on the opposite side of weld.

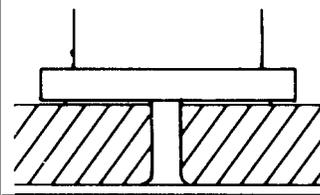
## ***HOW FASTENERS ARE INSTALLED***



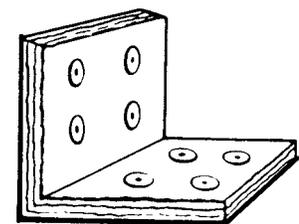
The needle sharp point enables the operator to easily push the fastener through the insulation into firm electrical contact with the metal duct.



The welding cycle is activated by pressing the trigger switch on the gun. Current flowing through the fastener's high resistance point of contact creates instantaneous welds of extremely high strength.



The flow of metal during the weld, firmly attaches and supports the fastener. It prevents breakaway while handling ducts during transport and installation.



No burn marks or discolorations of duct occur when using the recommended method of insulation fastener attachment. Fasteners are permanently welded in position flush with insulation.

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



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