

# **PBF-510 PINSPOTTER ITEM # 27372**

# **PBF-510**

## **GENERAL DESCRIPTION**

Duro Dyne is proud to introduce the next generation of portable insulation fastening equipment. Built upon the highly successful PBF pinspotter concept, the PBF-510 delivers more power, further away and with more control than ever before. A new Multi-tap transformer allows the PBF-510 to deliver precise, timed low voltage to the welding tip. This voltage will weld pins from 1/2 inch to 2 inches long on steel from 26 to 18 gauge. Proven solid-state weld control circuitry guarantees years of reliable, troublefree service in your shop.

## **FEATURES**

- Caster wheels allow easy movement in the shop
- Hi/Lo power selection via two weld cable power ports provides adjustment for different welding conditions
- Standard 16 foot gun cable and 11 foot ground cable. Gun Cable is extendable to 24 feet with optional extension set (Item # 27054)
- Convenient storage bin for weld pins or weld cables
- "Easy Read" weld timer adjustment for precise control
- Panel mounted test switch and indicator lights for easy troubleshooting
- Proven Solid State Control Circuitry

## **TECHNICAL SPECIFICATIONS**

### **ELECTRICAL:**

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

### **DIMENSIONS:**

Height: 32 inches (handle height 37 inches)  
Width: 17 inches  
Depth: 26 inches



**MACHINERY DIVISION**  
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## ***SPECIFICATIONS- MODEL PBF-510 PINSPOTTER***

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

**A.** 32"    **B.** 26"    **C.** 17"

### **Electrical Information:**

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



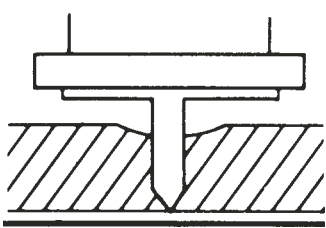
## ***PUT THE PBF-510 TO USE IN YOUR SHOP AS A BENCH TOOL***

To use your work bench as a welding table, cover the bench top with a copper sheet (.025). Set the PBF-510 alongside the bench top. Attach the PBF-510 ground clamp to the copper sheet and it will act as a permanent ground when the duct rests on the bench top. Pins quickly weld every time. No burn marks or wasted pins due to misfires.

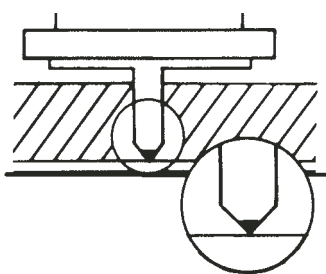
## ***WHEEL PBF-510 TO THE WORK***

- Where duct is too large to put on a bench, snap the ground clamp onto the duct and secure the insulation quickly by welding fasteners inside or outside of the ducts as required.
- Minimize the heat mark on the duct using the simple "heat sink," supplied with every unit.

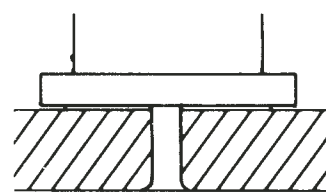
## ***HOW FASTENERS ARE INSTALLED***



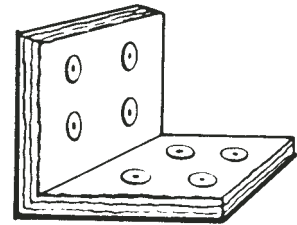
The needle sharp point enables the operator to easily push the fastener through the insulation into firm electrical contact with the metal duct.



Welding current is supplied 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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