



HIGH SPEED | MOVING HEAD WELDER

Continuously Line 5-Foot Wide Ductwork

The new PowerPinner 7105HS boasts the quickest cycle time and most reliable welds available. Thanks to a technological breakthrough, the 7105HS high speed welder is built with the same high quality materials you have come to expect from Gripnail. Functioning without any mechanical reed switches, the 7105HS on-board computer has been turbo-charged for peak performance. The new Programmable Logic Controller produces welding speeds never before seen without sacrificing welding quality.

Contractors who regularly line large fittings and straight duct will find the convenience of the 7105HS speeds their assembly and reduces fabrication costs. The weld head travels a full 60 inches for lining 5-foot wide duct. The head is moved with a multi-position extension arm and glides on specially designed bearings, while all wires are reinforced in a wire sleeve and securely housed in an energy chain.



PowerPinner's have proven their reliability in the most rugged duct manufacturing environment. See how at: www.gripnail.com/videos

Features Include:

Cycle Time - At 83 cycles per minute, the new PLC reaches coil line speeds.*

Continuous Fire - Depressing the ergonomic foot pedal while the Continuous Fire switch is on allows the operator to continuously weld pins without having to lift their foot off the pedal.

High Capacity, Split Weld Pin Track System - Upwards of 25 pins are available from the lower track before additional pins are speed loaded from the upper track.

High Output Transformer - Produces the strongest possible welds for 1/2" all the way to full 2" pins, fastened to 16-26 gauge sheet metal.

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PowerPoint® Weld Pins

For peak performance, it is highly recommended using Gripnail's wide range of PowerPoint weld pins. Each point is precisely formed to provide optimum electrical resistance.

A PowerPoint Weld Pin permanently attaches insulation to galvanized steel in the fabrication of HVAC duct work and withstands a tensile pull of at least 120 pounds from sheet metal.

Additional Features

Programmable Logic Controller - Inside the control box is a PLC, which has been programmed here in the USA, to coordinate welding and machine functions resulting in the fastest and most perfected weld every time. Machine operators only need to increase the weld setting for longer pins or thicker sheet metal, and the PLC will set the dwell time and coordinate the feed cycle. Minimal operator training is needed for this machine which means maximum flexibility. The PLC even has a diagnostic screen should a machine element require attention.

The PLC allows for minimum operator intervention during setup or job changes, all while producing maximum performance at industry leading speeds.

Chamfered & Recessed Weld Tip - The magnetic upper weld tip is specially designed with a chamfered edge and recessed center to optimize the weld quality of PowerPoint weld pins. The unique characteristics of the PowerPoint weld pin's noninvasive protruding shank captures and centers the weld pin to ensure consistent loading, while the beveled retaining cap prevents it from shifting off the weld tip when the pin is being set through the insulation. Although the PowerPinner 7105HS works with a variety of weld pins, using our PowerPoint's precision manufacturing process assures a trouble free operation with the best quality weld possible.

Quick Change Weld Tips - Upper and lower weld tips can be replaced in seconds. The lower weld tip purposefully off centered so that once an area is worn down, the operator can make a small rotational adjustments and use a new part of the weld tip for extended product life.

Double-Acting Load Cylinder - To keep up with the intense speeds of the PLC, double-acting load cylinders are standard on every machine. This ensures that each Weld Pin is loaded at maximum speeds without the danger of a component collision potentially possible with single-acting cylinders, which may lag due to its dependence on spring tension.

Simplified Controls - A single weld-setting switch controls the weld time while the PLC optimizes the dwell time. The other controls are a "continuous fire" on/off switch and a feeder bowl speed control. The PowerPinner 7105HS also comes with a LED voltage readout which informs the operator of a low voltage situation which can affect the integrity of the weld.

Safety

A high visibility power switch comes standard with a simple to use Lockout/Tagout feature.

NEMA® Type 12 Electrical Enclosures - To protect vital components from the rigor of most manufacturing environments, every electrical enclosure is rated to the National Electrical Manufacturers Association's Type 12 standards. This protects your investment from dust, debris, adhesive remnants and oil vapor from reaching operation critical components.

Large Capacity Feeder Bowl - The large capacity feeder bowl can accommodate a full range of pins from half inch to 2 inch and operators can control the pin feed speed on the control box.

Specifications

Input Voltage	190-240 VAC 60Hz, 1 Phase, 35 Amp	Total Depth	71"
Air Requirements	2-3 CFM, 80 PSI	Width	32"
Working Depth	60"	List Weight	681 lbs.
Anvil Height	36"	Shipping Weight	767 lbs.
		Freight Class	70

* Numbers based on Weld Setting 1



Chamfered & Recessed Weld Tip matches PowerPoint Weld Pins with precision for increased reliability.



Simplified Controls eliminate operator guesswork when selecting the appropriate weld and dwelled timing.



Continuous Fire allows the operator to continuously fire weld pins due to the perfect timing program written into the Programmable Logic Controller.



ISO 9001 Certified
Made in the U.S.A.
An Employee Owned Company

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