

### SKU : 423567

The machines in the Plasma-Jet AirPro compact series offer good cutting quality with minimal operating costs. These economical cutting systems for air plasma sources were developed as a cost-effective solution for custom and small-series manufacturing; their compact design and low footprint makes them the perfect choice for workshops. The machines in this series are easy to operate and extremely reliable.

- Compact design, fast setup
- For air plasma sources by Hypertherm or Kjellberg (optional)
- EtherCAT technology for best CNC performance
- Professional Nesting Software solution included
- With vacuum table, also optional water cutting table



### TECHNICAL SPECS

#### WORKING AREA

Cutting width	1550 mm
Cutting length	3050 mm
Distance from torch to support table	200 mm
Table height	500 mm
Table load capacity	800 kg/m <sup>2</sup>
Rapid feed	15000 mm/min
Positioning accuracy	0.05 mm

#### MEASURES AND WEIGHTS

Weight	1550 kg
Overall dimensions (length x width x height)	2.25 m x 4.15 m



## PRODUCT DETAILS

### Construction

- The one-piece design with guides built into the table frame allows the system to be transported while assembled and guarantees fast and easy start-up
- The cutting table is configured initially with a vacuum exhaust, or systems can also optionally be equipped with a water cutting table
- For highest efficiency of the optional vacuum and filter system, the work area is vacuumed in segments, mechanically switched by the moving machine bridge
- The material support grid consists of exchangeable arched flat steel elements

### Guideways and Drives

- The selection of components used guarantees high cutting functionality and process safety
- The machine bridge is driven synchronously from both sides and travels with high dynamics and no oscillation torque
- Powerful servomotors guarantee precision contours, with no-maintenance, no-play planetary gears and precise helical gear drives
- The high-quality linear guides on all axes are robust and accurate, easy to maintain and long-lived

**The cutting systems can be equipped with plasma sources from the Hypertherm Powermax or Kjellberg CutFire series. (see Options)**

### Cutting capacity

- Kjellberg CutFire 100i: cutting up to 40mm, grooving up to 20 mm
- Hypertherm Powermax 105 Sync: Cutting up to 38 mm, grooving up to 22 mm
- Hypertherm Powermax 125: cutting up to 44 mm , grooving up to 25 mm

### Cutting head

- The distance between plasma cutting nozzle and plate surface is determined by the Z axis height setting, which is controlled by an electric arc
- A built-in sensor-controlled collision guard prevents damage to machine and workpiece
- A magnetic coupling facilitates plasma burner setup and maintenance work

**The machine is preconfigured with the MAXPRO 200 plasma source and the ProNest Lt Nesting Software.**

## STANDARD EQUIPMENT

PULSER 3 CNC unit  
 15" HMI with touchscreen  
 ProNest LT  
 Table prepared for filter system (mechanical closure)  
 Automatic torch height control with THC sensor  
 Cutting torch with magnetic coupling and crash sensor  
 INVT Servomotors and drivers  
 Laser pointer  
 Plasmasource MAXPRO 200  
 Operator instructions

## OPTIONAL EQUIPMENT

- Vanterm vacuum and filter system, SKU : 254173
- Starter set MaxPro200, structural steel, oxygen, SKU : 254154
- Starter set MaxPro200, structural steel, compressed air, SKU : 254155
- Starter set MaxPro200, N2 steel/aluminum, SKU : 254156