



Plasma Cutting Machines

Plasma-Jet AirPro Compact 1530 Maxpro

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 ² |
| 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 Panasonic AC 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