

# Plasma Cutting Machines

## Plasma-Jet Compact H 1530

**SKU : 144031**

Plasma-Jet Compact H is a plasma cutting system that has been specially tailored to the needs of our customers. With its compact design, the machine is suitable for small workshops as well as for large industrial companies. Modern technology from Hypertherm and high-quality components from world-renowned manufacturers guarantee high-quality cutting results even in multi-shift operation.

- Compact design- space saving and easy relocating
- High performance with USA Hypertherm technology
- Wide selection of HYPERTHERM plasma sources (optional)
- Low maintenance, rugged design



### TECHNICAL SPECS

#### WORKING AREA

Cutting width	59 in
Cutting length	118 in
Table height	24 in
Table load capacity	84 lbs/ft²
Rapid feed	709 in/min
Plasma source	Hypertherm

#### MEASURES AND WEIGHTS

Weight	4950 lbs
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*Optimum track speed even for fine contours and tight radii*



*Panasonic servo motors and EtherCAT network type drives*

## PRODUCT DETAILS

### Construction

- The Plasma-Jet Compact Series set themselves apart from the Plasma-Jet TrueCut series by a fully integrated machine frame that is connected to the table via a bottom plate, so the machine can be transported in one piece and requires minimum space
- If small plasma sources (e.g. Powermax) are used, they also are stored on a shelf inside the frame
- Table is prepared for dust collection system, being equipped with electro-pneumatically actuated suction flaps for an efficient fume extraction of the segment where the cutting process is momentary in action

### Transmission and drives

- Dynamic AC servo drives from Panasonic on all axes with maintenance-free, zero-backlash planetary gears
- Low-wear and low-maintenance helical gears are designed for continuous operation
- Linear guide ways from on all axes, designed for long life and smooth motion even at high speeds. The width of linear guides on X/Y axes is 20/20 mm

### Cutting head

- Z axis with ball screw transmission and servo-driven automatic torch height control
- Quick-coupling for cutter head allows quick head exchanges for reduced tooling time

### Control

- CNC controller from Hypertherm - Edge CONNECT
- The ProNest LT Software is delivered as standard

### Please select the plasma source with the required power.

- Powermax 105 Sync plasma source (cutting capacity: Recommended: 1.26", 19.7"/min, 1.50", 9.84"/min, severing cut: 1.97", 4.92/min, plunge-cut: 0.87")
- Maxpro 200 (cutting capacity in unalloyed steel: Virtually burr-free cutting capacity 0.79" , plunge-cut capacity (production) 1.26", severing cut\* 2.95")
- XPR 170 (cutting capacity in unalloyed steel: Plunge cut max. 1.57", severing cut max. 2.36")
- XPR 300 (cutting capacity in unalloyed steel: Plunge cut max. 1.97", severing cut max. 3.15")

**Note: All specified cutting and piercing depths are dependent on the material as well as the cutting technology and guide system**

## CONTROLS & SOFTWARE

### Hypertherm Edge Connect CNC Unit

### Hypertherm EDGE® Connect

- EDGE® Connect, Hypertherm's newest Computer Numeric Control (CNC) platform, delivers unmatched reliability, powerful embedded capabilities, and a high level of customizability
- With Patented CutPro® Wizard, even new operators can be cutting production parts in less than five minutes
- On-screen Software Operator's Console (Soft OpCon) allows easy setup and operation of cutting station and manual motion
- Integrated communications with plasma and torch height control systems deliver automated and expert control using installed factory or custom cut charts
- Custom cut charts can be created and controlled in the part program or made available to the CutPro Wizard
- EDGE Connect runs on the Windows® 10 Enterprise operating system

### Phoenix® built-in software

- Phoenix® software is the core operational interface and is common across the entire Hypertherm family of CNC systems
- Contains built-in cut charts for automatically setting process parameters for mild steel, stainless, and aluminum to enable consistently optimized cutting performance
- The wizards and diagnostic support tools enable easy setup, use and rapid troubleshooting
- Built-in help and cutting optimization tips for improving table performance and process outcomes at the touch of a button

## STANDARD EQUIPMENT

Table is prepared for filter system (automatic closure control)  
Panasonic servo-motors and drives  
Automatic torch height control with Hypertherm THC sensor  
Cutter torch with magnetic coupling and crash sensor  
Hypertherm Edge Connect CNC Unit  
19" touchscreen by ELO  
Ethercat-E  
Laser pointer  
ProNest LT Essentials

## OPTIONAL EQUIPMENT

- Powermax 125 plasma source, SKU : 253715
- Tube cutting system, 9.8 ft, for Compact series Hypertherm systems, SKU : 253552
- Maxpro 200 plasma source, SKU : 253406
- Plasma-Jet H software option: ProNest (additional cost), SKU : 253413
- Plasma-Jet H software option: Common Line Cutting (additional cost), SKU : 253414
- Plasma-Jet H software option: Collision Avoidance (additional cost), SKU : 253415
- Plasma-Jet H software option: Chain and Bridge Cutting (additional cost), SKU : 253416
- Engraving and Marker add-on for PowerMax and MaxPro, SKU : 253815
- Plasma-Jet filter vacuum, 141 ft<sup>3</sup>/h, SKU : 253397
- Additional tube support, SKU : 253401
- 39" extension for tube cutting, SKU : 253402
- Manual chamfering unit for cutter head, SKU : 253404
- Square adaptor for square tube cutter unit on Plasma-Jet, SKU : 253651
- Powermax 105 Sync plasma source, SKU : 253888
- XPR 170 Core plasma source, SKU : 253407
- XPR 170 VWI plasma source, SKU : 253408
- XPR 170 Optimix plasma source, SKU : 253409
- Software option ProNest LT (not included in price), SKU : 254125