



# Plasma Cutting Machines

## Plasma-Jet TrueCut 3060 H

### SKU : 144016

The machines of the Plasma-Jet TrueCut H-series are highly specialized cutting systems for the production or individual production of complex parts. This series is designed for high loads in multi-shift operation and is equipped with the latest Hypertherm technology and high-quality components. The extensive optional equipment enables versatile, tailor-made solutions for specific customer requirements. For example with several torches, oxy-fuel cutting heads, miter cuts or pipe processing units.

- Independent table for high accuracy
- Powerful ProNest LT nesting software for optimised production
- Customised for the use of HYPERTHERM plasma sources (option)
- High productivity, designed for multi-shift operation
- Extensive options for customised solutions



### TECHNICAL SPECS

#### WORKING AREA

Cutting width	3000 mm
Cutting length	6000 mm
Table height	700 mm
Table load capacity	520 kg/m <sup>2</sup>
Rapid feed	18000 mm/min
Plasma source	Hypertherm

#### MEASURES AND WEIGHTS

Weight	9500 kg
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*Quick-coupling for cutter head*



*Dust collector and filtration unit available as optional feature*

## PRODUCT DETAILS

### Construction

- Stand-alone cutter table features rigid steel construction for high load capacity
- Stand-alone table eliminates thermal and mechanical influences on the plasma cutter system
- 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 20/30 mm
- The structure of the machine and the selection of components are designed to enable multi-shift operation

### 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
- Use the existing cutting parameters stored in the control to find the optimum cut
- Optimum bed speed even for fine contours and tight radii
- Available with 5-axis cutter head, tube cutter, and many more options

### Control

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

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

- Maxpro 200 (cutting capacity in unalloyed steel: Virtually burr-free cutting capacity 20 mm, plunge-cut capacity (production) 32 mm, severing cut\* 75 mm)
- XPR 170 (cutting capacity in unalloyed steel: Plunge cut max. 40 mm, severing cut max. 60 mm)
- XPR 300 (cutting capacity in unalloyed steel: Plunge cut max. 50mm, severing cut max. 80 mm)

**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 prepared for filter system (automatic closure control )  
Panasonic Servomotors and drivers  
Automatic burner height control with Hypertherm THC sensor  
Cutting torch with magnetic coupling and crash sensor  
Hypertherm Edge Connect CNC-Unit  
19" touchscreen by ELO  
Ethercat-E  
Laser pointer  
ProNest LT

## OPTIONAL EQUIPMENT

- Maxpro 200 Plasma source, SKU : 253406
- XPR 170 Core Plasma source, SKU : 253407
- XPR 170 VWI Plasma source, SKU : 253408
- XPR 170 Optimix Plasma source, SKU : 253409
- XPR 300 Core Plasma source, SKU : 253410
- XPR 300 VWI Plasma source, SKU : 253411
- XPR 300 Optimix Plasma source, SKU : 253412
- Plasma-Jet filter extraction system 4.000 m3/h, SKU : 253397
- Additional tube support, SKU : 253401
- 1 meter extension for tube cutting, SKU : 253402
- Manual bevel device for cutting head, SKU : 253404
- 5 axis bevel cutting for Hypertherm systems, SKU : 253418
- Plasma-Jet H Softwareoption Collision Avoidance, SKU : 253415
- Plasma-Jet H Softwareoption Chain and Bridge Cutting, SKU : 253416
- Plasma-Jet H Softwareoption Common Line Cutting, SKU : 253414
- Square adaptor for square tube cutter unit on Plasma-Jet, SKU : 253651
- Tanaka oxy-fuel cutter head, SKU : 253592
- Tube cutting system 6.000 mm for Hypertherm systems TrueCut, SKU : 253419
- Tube cutting system 3.000 mm for Hypertherm systems TrueCut, SKU : 253420
- Plasma-Jet filter extraction system 8.000 m3/h, SKU : 253399
- Plasma-Jet H Softwareoption ProNest, SKU : 253413
- Plasma-Jet filter extraction system 6.000 m3/h, SKU : 253398