



# Plasma Cutting Machines Plasma-Jet TrueCut 2040 H

## SKU : 144015

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	79 in
Cutting length	157 in
Table height	28 in
Table load capacity	106 lbs/ft <sup>2</sup>
Rapid feed	709 in/min
Plasma source	Hypertherm

### MEASURES AND WEIGHTS

Weight	9020 lbs
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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 guides on all axes are designed for long life and smooth motion even at high speeds. Linear guides on X and Y axes are 0.79/1.18" wide
- 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

## 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

## OPTIONAL EQUIPMENT

- Additional tube support, SKU : 253401
- 39" extension for tube cutting, SKU : 253402
- Manual chamfering unit for cutter head, SKU : 253404
- XPR 170 Core plasma source, SKU : 253407
- XPR 170 Optimix plasma source, SKU : 253409
- XPR 170 VWI plasma source, SKU : 253408
- XPR 300 VWI plasma source, SKU : 253411
- XPR 300 Core plasma source, SKU : 253410
- XPR 300 Optimix plasma source, SKU : 253412
- 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
- 5-axis chamfering for Hypertherm systems, SKU : 253418
- Tanaka oxy-fuel cutter head, SKU : 253592
- Square adaptor for square tube cutter unit on Plasma-Jet, SKU : 253651
- Tube cutting system, 20', for Hypertherm systems, SKU : 253419
- Tube cutting system, 10', for Hypertherm systems TrueCut, SKU : 253420
- Maxpro 200 plasma source, SKU : 253406
- Plasma-Jet filter vacuum, 141 ft<sup>3</sup>/h, SKU : 253397
- Plasma-Jet H software option: ProNest (additional cost), SKU : 253413
- Plasma-Jet filter vacuum, 212 ft<sup>3</sup>/h, SKU : 253398