

Industrial 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 ²
Rapid feed	709 in/min
Plasma source	Hypertherm

MEASURES AND WEIGHTS

Weight	9020 lbs
--------	----------



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

Quick-coupling for cutter head



Dust vacuum and filter system available as optional equipment



EDGE® Connect is the latest CNC platform by Hypertherm featuring superior reliability, powerful integrated functionality, and is highly customizable

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

Please select the plasma source with the required power.

- 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

OPTIONAL EQUIPMENT

- Oxy-fuel cutter head, SKU : 251915
- 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 H software option: ProNest (additional cost), SKU : 253413
- 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
- XPR 460 Core plasma source, SKU : 254250
- XPR 460 Core Plus plasma source, SKU : 254251
- XPR 460 VWI plasma source, SKU : 254252

- XPR 460 Optimix plasma source, SKU : 254253
- Extraction 4000 m³, SKU : 254310
- Extraction 6000 m³, SKU : 254311