Plasma Cutting Machines
Plasma-Jet TrueCut 1530 H

SKU : 144014

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, mitre 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	1500 mm
Cutting length	3000 mm
Table height	700 mm
Table load capacity	520 kg/m2
Rapid feed	18000 mm/min
Plasma source	Hypertherm

MEASURES AND WEIGHTS

Weight	3100 kg

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

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 delviered 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® buit-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 qand 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

- 5 axis bevel cutting for Hypertherm systems, SKU : 253418
- 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 H Softwareoption Common Line Cutting, SKU : 253414
- Plasma-Jet H Softwareoption Collision Avoidance, SKU : 253415
- Plasma-Jet H Softwareoption Chain and Bridge Cutting, SKU : 253416
- Oxy-fuel cutter head, SKU : 251915
- Tanaka oxy-fuel cutter head, SKU : 253592
- Additional tube support, SKU : 253401
- 1 meter extension for tube cutting, SKU : 253402
- Manual bevel device for cutting head, SKU : 253404
- Square adaptor for square tube cutter unit on Plasma-Jet, SKU : 253651
- Tube cutting system 6.000 mm for Hypertherm systems TrueCut, SKU : 253419
- Tube cutting system 3.000 mm for Hypertherm systems TrueCut, SKU : 253420
- Maxpro 200 Plasma source, SKU : 253406
- Plasma-Jet H Softwareoption ProNest, 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 Plasmasource, SKU : 254250
- XPR 460 Core Plus Plasmasource, SKU : 254251
- XPR 460 VWI Plasmasource, SKU : 254252
- XPR 460 Optimix Plasmasource, SKU : 254253

- Extraction 4000 m³, SKU : 254310
- Extraction 6000 m³, SKU : 254311