



Plasma Cutting Machines

Plasma-Jet TrueCut K 1530 (Q1500 Plus)

SKU : 423545

The machines of the Plasma-Jet TrueCut K series are highly specialized cutting systems for the production and one-off production of complex individual parts. Equipped with the latest technology from Eckelmann and Kjellberg and high-quality components from well-known manufacturers, this series is designed for high loads in multi-shift operation. With extensive optional equipment, this series is very versatile and offers tailor-made solutions for specific customer requirements, such as multiple torches, oxy-fuel cutting heads, miter cuts or pipe processing units.

- Free-standing table construction for high accuracy
- Powerful Eckelmann controller with EtherCAT technology for full cutting control
- High productivity, designed for multi-shift operation
- Extensive option list for customized solutions



TECHNICAL SPECS

WORKING AREA

Cutting width	59 in
Cutting length	118 in
Table height	28 in
Table load capacity	106 lbs/ft ²
Rapid feed	709 in/min

MEASURES AND WEIGHTS

Weight	6820 lbs
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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 Eckelmann
- The Eckelmann IBE nesting software is delivered as standard

Demonstration machine equipped as standard with the new trend-setting plasma source from Kjellberg Finsterwalde:

- Maximum cutting capacity 60mm, grooving 30 mm, recommended 0.5 - 40 mm
- Q 1500 all-gas plasma source with upgrade to Q 1500 Plus Allgas Plasma Source

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

STANDARD EQUIPMENT

Table is prepared for filter system (automatic closure control)
Panasonic servo-motors and drives
Automatic torch height control by Eckelmann
Cutter torch with magnetic coupling and crash sensor
Eckelmann CNC unit
19" touchscreen by ELO
A-Module by Beckhoff
Laser pointer
Eckelmann IBE Software cncCUT Nest

OPTIONAL EQUIPMENT

- Plasma-Jet filter vacuum, 141 ft³/h, SKU : 253397
- Plasma-Jet filter vacuum, 212 ft³/h, SKU : 253398
- Consumables starter set , structural steel, Q3000, SKU : 254008
- Consumables starter set , structural CrNi, Q3000, SKU : 254009