



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 | 1500 mm |
| Cutting length | 3000 mm |
| Table height | 700 mm |
| Table load capacity | 520 kg/m ² |
| Rapid feed | 18000 mm/min |

MEASURES AND WEIGHTS

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|--------|---------|
| Weight | 3100 kg |
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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 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 Eckelmann
- The Eckelmann IBE software is delivered as standard.

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

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

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

STANDARD EQUIPMENT

Table prepared for filter system (automatic closure control)
Panasonic Servomotors and drivers
Automatic torch height control from Eckelmann
Cutting torch with magnetic coupling and crash sensor
Eckelmann CNC-Unit
19" touchscreen by ELO
A-Modul from Beckhoff
Laser pointer
Eckelmann IBE Software cncCUT Nest

OPTIONAL EQUIPMENT

- Plasma-Jet filter extraction system 4.000 m³/h, SKU : 253397
- Plasma-Jet filter extraction system 6.000 m³/h, SKU : 253398
- Consumables starter set , structural steel, Q3000, SKU : 254008
- Consumables starter set , structural CrNi, Q3000, SKU : 254009



KNUTH on YouTube

Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**