



# Industrial 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 <sup>2</sup>
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:

- 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 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

- Consumables starter set , structural steel, Q3000, SKU : 254008
- Consumables starter set , structural CrNi, Q3000, SKU : 254009