



Complete advanced package for plasma cutting

TORCHMATE® 4800

The added-value package!



Learn more about what exactly the LINCOLN ELECTRIC® system package offers you from the very start as compared to competition ...

www.lincolnelectriccutting.eu

Ready, Steady ... Cut!

Plasma cutting with TORCHMATE 4800



TORCHMATE® 4800

Advanced Plug & Play System for plasma cutting

Highlights

- Complete cutting system with high-end **SINGLE-SOURCE** components
- 2-year manufacturer's warranty
- Cutting high-quality metal parts
- For mild steel (up to 25 mm), stainless steel and aluminum
- **Maximum cutting range: 1.250 x 2.500 mm**
- Mobile cutting system requiring little space
- **FLEXCUT 125A** air plasma power source
- **ACCUMOVE** controller incl. **CAD/CAM Software** and 20 inch touch-screen control
- water cutting table
- Fast installation with minimal learning curve for operators
- **Ready for operation within less than one hour** after delivery and installation

Processes

- Air plasma cutting, Air plasma marking
- Mechanical marker unit (optional)

Cutting type

- Automated cutting

Accessories

- LC125M machine plasma cutting torch 7,5 m [K4300-4]
- LC125M machine plasma cutting torch 15 m [K4300-5]
- LC125M machine plasma cutting torch 22,5 m [K4300-6]
- CNC-interface cable 7,5 m [K440-25]
- CNC-interface cable 15 m [K440-50]

TORCHMATE® 4800 - TECHNICAL DATA

Dimensions	Cut Area	Weight	Tool Capacity	Water Capacity	Power Demands	Plasma Power Source	Air Requirements	Machine Ground
1880 x 2900 x 1610 mm	1250 x 2500 mm	566 kg	2	405 L	HMI and CNC Controller 230V 16A 50Hz	380V 50A (FLEXCUT 125)	6,2 – 8,7 bar 260 SLPM (FLEXCUT 125)	Dedicated Earth Ground supplied by Other

PRECISION GEAR RACK AND PINION DRIVE SYSTEM

- Stepper motors: {3} 2,8Nm
- Connection Gear Rod / Pinion: Spring loaded
- Belt reduction: {3} 3:1
- Linear guidance: Linear Rail 20 mm Profile
- Gear engagement: Spring loaded
- Gantry carriage: Milled, 9,5 mm Aluminum
- Positioning Speed: 12.700 mm/m
- Machine Repeatability: 0,381 mm
- Gantry Clearance: 127 mm
- Frame Construction: 48 mm Mild Steel

Cut Capacity

- Maximum Pierce Capacity: 25 mm

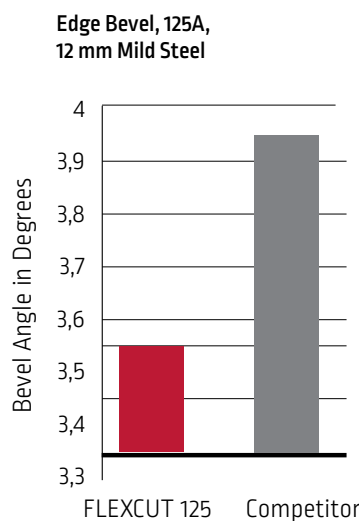
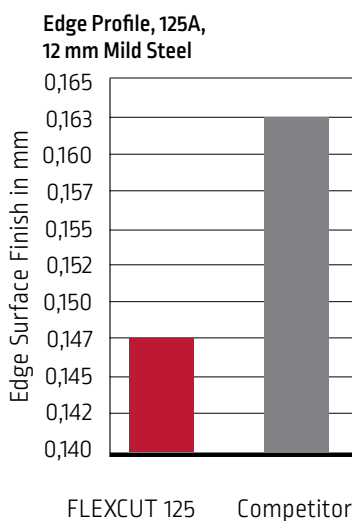
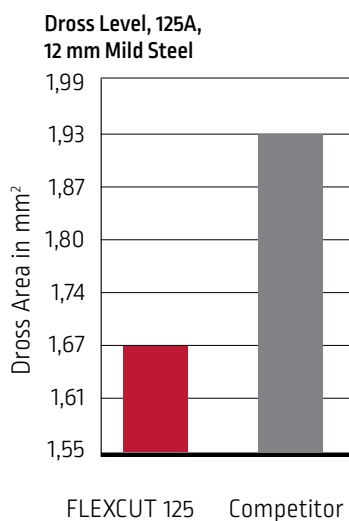
Maximum Cut Speed (Mild Steel)

- 6 mm : 5300 mm/Min
- 12 mm: 2200 mm/Min
- 25 mm: 800 mm/Min

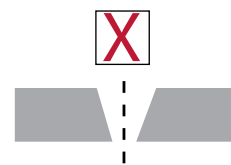


ACCUMOVE with CAD CAM

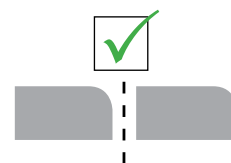
CUT QUALITY COMPARISONS*



Less Desired 4° Edge Bevel



Desired 0° Edge Bevel



TORCHMATE 4800 Plasma Cutting System offers you:

Air Plasma Power Source · Accumove Controller · CAD/CAM Software · Water Table · Single Source Components · etc.

*Claims based upon tests conducted by LINCOLN ELECTRIC in 2016 using an LC125M Torch

CUSTOMER ASSISTANCE POLICY

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Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.



Cutting Solutions

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