

# FLEXCUT™ 125

## 125AMP Powerful, 100% Air Plasma

### Reduced operational costs

- Up to six times longer consumable life
- Maintains faster cut speeds
- Virtually dross-free cuts reduces need for finishing

### Best cut performance

- Better edge quality
- Cut, mark and grid-cut capabilities

### Easy to set, easy to use

- Simple controls make set up easy
- Easy to read full color graphic display
- Reliable arc starting without high frequency
- Easy monitoring of machine status



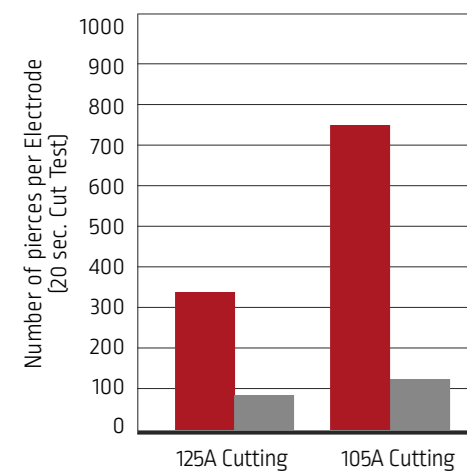
Output



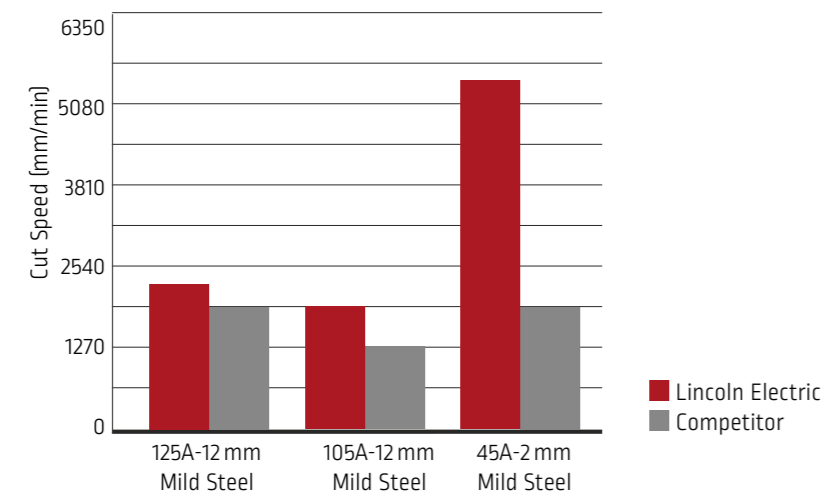
Input



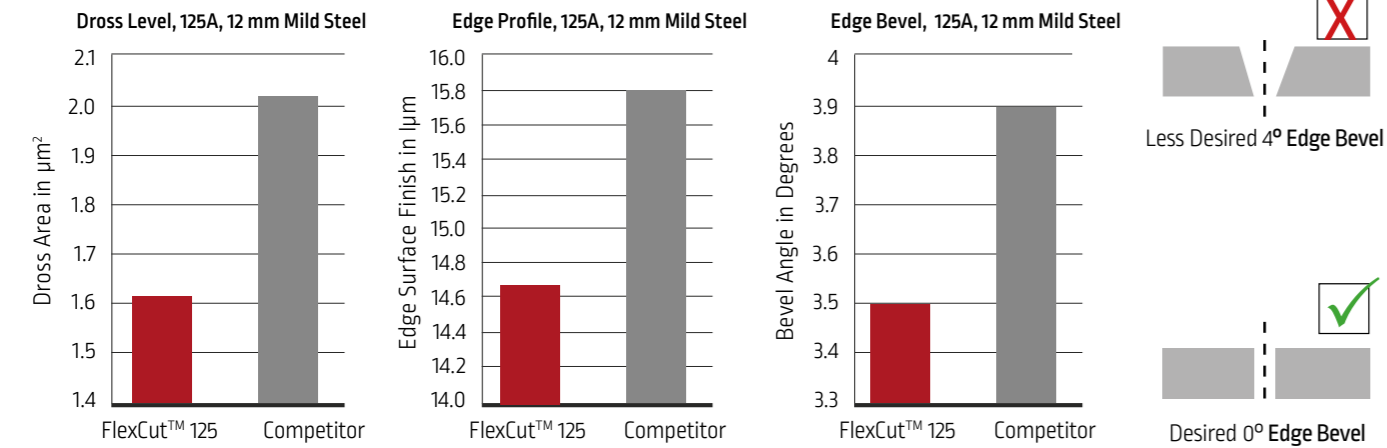
### ELECTRODE LIFE COMPARISON\*



### CUT SPEED COMPARISON\*



### CUT QUALITY COMPARISONS\*



Claims based upon tests conducted by Lincoln Electric in 2016 using a LC125M torch

### Specifications

Product Name	Product Number	Input Power Voltage (50-60Hz)	Rated Output: Current /Voltage/Duty Cycle	Input Current @ Rated Output (A)	Output Range (A)	Air Pressure Required	Air Flow Rate	H x W x D (mm)	Weight (kg)
FlexCut™ 125	K4811-1	380/400/415/460 /575/3Ph	125A/175V/100%	3PH/100% 40/40/40/33/28	3PH 20-125	6.21-8.27 Bar	260 SLPM @6.21 Bar	526 x 311 x 648	53.5

BEING PRESENT LOCALLY  
MAKES US MORE AWARE GLOBALLY



Global Headquarters  
Cleveland, Ohio USA

**2.6** BILLION USD REVENUE  
**160** ACTIVE IN 160 COUNTRIES WORLDWIDE  
**11 000** EMPLOYEES WORLDWIDE  
**120** YEARS OF EXPERIENCE

### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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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](http://www.lincolnelectric.com) for any updated information.



[www.lincolnelectriceurope.com](http://www.lincolnelectriceurope.com)



**TORCHMATE® 4400 | 4800**  
CNC PLASMA CUTTING TABLES

[www.lincolnelectriceurope.com](http://www.lincolnelectriceurope.com)





# SOLUTIONS TO MEET THE MOST DEMANDING REQUIREMENTS

## TORCHMATE® 4400/4800

### Plug & Play System for plasma cutting

- Complete cutting system with high-end SINGLE-SOURCE components
- 2-year manufacturer's warranty
- Cutting high-quality metal parts
- For mild steel and stainless steel
- Maximum cutting range: 1250 x 1250 mm [T4400] and 1250 x 2500 mm [T4800]
- Mobile cutting system requiring little space
- Fast installation with minimal learning curve for operators
- Ready for operation within less than one hour after delivery and installation

### Applications

- small metal fabrication shops
- sheet metal contractors
- custom vehicle fabricators
- prototyping
- education
- hobbyists and artists



precision gear rack and pinion drive system

linear guided plasma torch for cutting

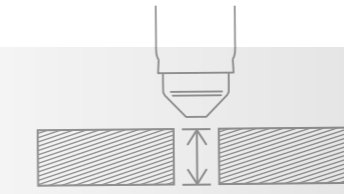
20" multi-touch screen

water table embedded in a low vibrant steelframe construction

FLEXCUT 125A air plasma power source

Accumove controller incl. macro library, process management and jog control. Intuitive & easy to use.

# EFFICIENCY / PRECISION / SPEED



**MAXIMUM PIERCE CAPACITY:**  
20 mm



**MAXIMUM CUT SPEED (Mild Steel):**  
6 mm: **5300 mm/min**  
12 mm: **2200 mm/min**  
25 mm: **800 mm/min**

### PRECISION GEAR RACK AND PINION DRIVE SYSTEM

- Stepper motors: 2.8 Nm
- Connection Gear Rod / Pinion: Spring loaded
- Belt reduction: 3:1
- Linear guidance: Linear Rail 20 mm Profile
- Gear engagement: Spring loaded
- Gantry carriage: Milled, 9.5 mm aluminium
- Positioning Speed: 12700 mm/min
- Machine Repeatability: 0.381 mm
- Gantry Clearance: 127 mm
- Frame Construction: 48 mm Mild Steel

### ACCUMOVE

Accumove motion control technology for most advanced systems in one easy-to-use program. It provides increased processing power and synchronization of each component on the table. The height control, stepper motors, and the computer aided manufacturing software are all processed with one operating system – keeping the entire communication loop under one display.

### VISUAL MACHINE DESIGNER (VDM)

VMD is the human-machine interface (HMI) to all ACCUMOVE® CNC controllers. Its user-friendly design and appealing layout is very easy to learn, and is compatible with most tablets and touch-screen computers.

A complex set of new features has been installed directly into the controller to simplify the cutting process:

- **Process management** – all the parameters are controlled from the interface simplifying the implementation of the plasma cutting. Several functions increase cycle productivity and automatically compensate consumable wear.
- **Plate Alignment** – simplifies material loading, especially when dealing with thicker metal sheets. No matter what the material's orientation is, the ACCUMOVE controller can read its parameters, and adjust the design accordingly.
- **Multi-tasking** – allows you to execute job files as you draw new ones, letting the table run independently of whatever it is you are drawing.
- **28 Part Shape Library** – comes preloaded onto the software, and includes a set of adjustable shapes from basic rectangles, to complex circular flanges.



### Technical data

Machine	Dimensions	Cut Area	Weight	Tool Capacity	Water Capacity	Power Demands	Plasma Power Source	Air Requirements	Machine Ground
TORCHMATE® 4400	1880 x 1710 x 1610 mm	1250 x 1250 mm	382 kg	2	230l	230V 16A 50Hz HMI and CNC Controller	380V 50A (FLEXCUT 125)	6.2-8.7 bar 260 SLPM (FLEXCUT 125)	Dedicated Earth Ground supplied by Other
TORCHMATE® 4800	1880 x 2900 x 1610 mm	1250 x 2500 mm	566 kg	2	405l				

1 SLPM (Standard Litre per Minute) = 1.68875 Pa x m³/s)

