

Lincoln Electric® Torchmate® 5100

5x10 CNC Plasma Table

Industrial Plasma CNC Plate Cutting System

- Fully Assembled Unitized CNC Plasma Table
- Fast And Convenient Setup
- Built To Maximize Production
- Designed For Multiple Shift Operation
- Reduced Maintenance Downtime
- Excellent Repeatability
- Advanced and Easy-To-Use Controls
- Flexible Training Options



*Product May Be Different Than Shown

APPLICATIONS

- Maintenance Facilities
- Fabrication Shops
- Manufacturing
- Structural Steel Contractors
- Ship Building
- Construction Industry
- Mining Industry

SYSTEM INCLUDES

- Ohmic Initial Height Sense with Automatic Torch Height Control
- Onboard CAM with Irregular Part Nesting
- Dual-Channel Safety System with Independent Drives Power Switch
- Popular Shape Library
- DXF & DWG Importer
- Industrial Touch-Screen HMI
- Material Slat Supports Included
- Consumable Starter Kit
- Genuine Plasma Consumables Program

ACCESSORIES | OPTIONS

Table Options:

- Water Table
- Multi-Zone Downdraft Table
- Fume Control System

Plasma Power Supply Options:

- 125 Amp Conventional Plasma
- 200 Amp Conventional Plasma
- 275 Amp HD Plasma
- 400 Amp HD Plasma

Tooling Options:

- Rotating Bevel Head Attachment Cuts At A Maximum of +/- 50°
- Pneumatic Plate Marker

Lincoln Electric® Torchmate® 5100

5x10 CNC Plasma Table With Bevel

Industrial Plasma CNC Plate Cutting System

SPECIFICATIONS

Input Power

- 120V / 1Ph / 60Hz
- 200-600V / 3Ph / 50-60Hz

Machine Size

- 60" x 120" Cutting Area
- 113.5" x 166" Footprint

Traverse Speed

- 1,500 ipm

Cut Speed

- Up To 1,500 ipm

Plate Capacity

- Cuts Up To 2" (50mm) Mild Steel with Spirit® II 400
- Holds Up To 4" (102mm) Mild Steel

Weight

- 6,600 lbs

Operating Temperature

- 32-104° Fahrenheit

Motors

- Servo Motors Fitted with Rotary Glass Encoders

Drive System

- Helical Gear Rack and Hardened Pinion with Lubrication System

Linear Guidance

- Profile Linear Rail

Acceleration Rate

- 0.08g

Deceleration Rate

- 0.08g

Height Control

- Ohmic Sensing
- Automatic Torch Height Control
- 6" Z-axis Travel

Bevel Capabilities

- +/-50° Rotation

Software

- Easy-To-Use Lincoln Electric User Interface
- CAD/CAM with Irregular Part Nesting
- Popular Shape Library

Fume Extraction (Optional Accessory)

- 1,030 to 1,483 ft³/min or 61800 to 89,990 ft³/hour
- Automatic Filter Cleaning, Pressure Controlled

Downdraft Configuration

- Multiple Zones Controlled By Motion Controller

Safety

- Dual-Channel Safety System Supporting Emergency Stop Switch
- Safety System Extended To External Peripherals
- External Drive Power On Switch

Machine Construction

- Fabricated Steel Frame with Powder Coated Finish

Warranty

- *1 Year Warranty

CUSTOMER ASSISTANCE POLICY

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.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

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.

Downdraft cutting tables are equipped with an integrated downdraft fume extraction and spark arrest system to help reduce fumes and gases entering the working environment. The effectiveness of fume extraction and control systems are affected by various factors including proper use and maintenance of the equipment, and the specific cutting process and application involved. Before use, the customer should perform operator exposure monitoring for the specific application in order to determine if additional fume extraction and control solutions are required to restrict operator exposure to within regulatory limits for constituents of the fume and gases, such as OSHA PEL and ACGIH TLV limits. A hazard and risk assessment should also be completed by the customer to determine the frequency of additional operator exposure monitoring.

Please visit www.torchmate.com/safety for more information.

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