TORCHMATE 5100

CNC PLASMA CUTTING TABLES

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The Lincoln Electric® Torchmate® 5100 is our flagship 5' x 10' CNC plasma cutting machine. This robust, industrial table is built with production in mind. Its design, components, and construction were all single-source engineered to deliver exceptional repeatability and performance. Rapid delivery and setup time gets your machine up and running quickly with limited assembly required. Our best in class warranty, industry leading support and lowest operation costs, ensure you spend more time making money.

The Torchmate 5100 CNC plasma cutting systems are backed by a best in class warranty to keep your small business running. Our systems have been rigorously tested to the highest industry standards.* Our two year complete warranty is the only single source warranty in its class, with all components warrantied by Lincoln Electric. There's no third party vendor to deal with. One phone call provides peace of mind and keeps you up and running. The machines include a 1 year warranty on the table and components, and 3 years on the power supply.

SYSTEM INCLUDES

- Integrated touchscreen HMI
- Industrial grade user console with adjustable mounting arm
- Proprietary motion control system
- Online training videos

APPLICATIONS

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

Machine testing includes IP 23 | ISO | Laser Interferometer | EMC | MTBF. Warranty applies to the CNC machine and power supply.

CONTACT LINCOLN ELECTRIC AUTOMATION

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LINCOLN ELECTRIC AUTOMATION

KEY FEATURES

Customized & Integrated CAM Software

- Hole optimization
- Tool pathing/integrated cut charts
- Irregular shape nesting

Easy User Interface

An intuitive touch screen HMI with an integrated 27-part shape library will get you cutting immediately. There's also an optional clip art gallery with over 6000 files for fast and easy art projects. Flexible training resources are provided so that your team can learn at their own pace.

Advanced Process Controller (Optional)

Available with all FineLine plasma cutting systems, the Advanced Process Controller enables Water Injection cutting for a high quality, low cost, non-ferrous cutting process. It also enables the Advanced Pierce Technology for piercing up to 2" mild steel.

Advanced Pierce Technology (Available with APC)

Lincoln Electric® designed a process that will revolutionize industrial high-definition plasma cutting productivity. FineLine® Advanced Process Controller combined with our Advanced Piercing Technology also enables piercing ≤ 1:1 holes in 1" and thicker mild steel. Advanced Piercing Technology helps you to have repeatable cuts, no collisions, tighter bevel angle, smooth surface, and consumable longevity.

Bevel Capabilities (Optional)

Bevel head is able to operate at ±45° angles and is prepro-grammed for 15° - 22.5 ° - 30 ° - 38.5 ° angles. Bevel head is available for FineLine plasma cutters.

SYSTEM DETAILS

Ready To Run

Tables can be en route to your business quickly. You will only need power, water, compressed air, and an installed ground rod before you are able to cut your first job.

FineLine Makes It Possible

With small diameter torches, the FineLine 170 & 300 plasma cutting machines are high definition plasma cutting power sources that deliver excellent cut quality with minimal dross and offer advanced hole and cut geometries.

The Support You Need for Success

- In-person training classes available
- Torchmate Academy training videos (Optional)
- Trusted support/expertise of multiple full-time expert support technicians

OPTIONS AVAILABLE

- Lincoln Electric Plateguard rust inhibitor
- Online Torchmate Academy
- Torchmate onsite training- 2-day commissioning and training
- 2-Stage air filter assembly
- Rotating bevel head attachment
- FineLine Advanced Process Controller

PRODUCT SPECIFICATIONS

Product Number	Model	Dimensions L x W in (mm)	Shipping Weight	Water Capacity	Material Weight Capacity	Cutting Capacity (Mild Steel)
AD2655-1	Torchmate 5100 FineLine 170	113.5 x 166 (2,883 x 4,216)	6,600 lbs (2,994 kg)	428 Gallons (1,620 Liters)	60" x 120" x 4" A36 steel 8,167.68 lbs (3,705 kg)	1.25"
AD2655-2	Torchmate 5100 FineLine 300	113.5 x 166 (2,883 x 4,216)	6,600 lbs (2,994 kg)	428 Gallons (1,620 Liters)	60" x 120" x 4" A36 steel 8,167.68 lbs (3,705 kg)	1.75" (2" with optional APC)

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications 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, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

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