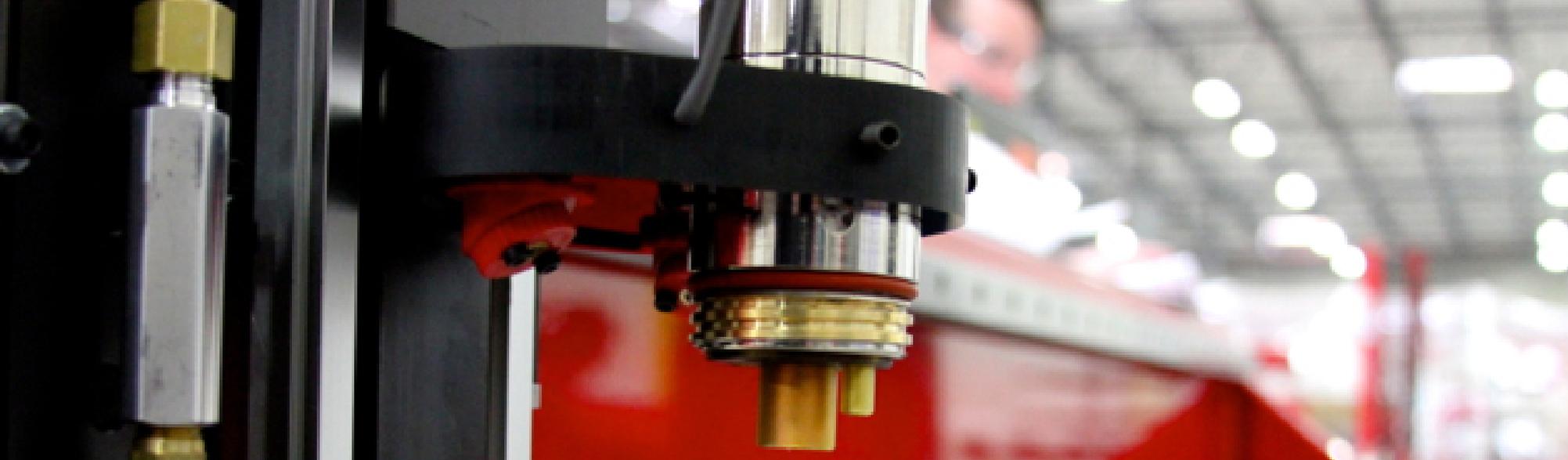




TORCHMATE CLASSIC

BOLT TOGETHER CNC PLASMA TABLE



The Lincoln Electric Company

Founded in 1895 by John C. Lincoln, The Lincoln Electric Company is the world leader in the design, development and manufacture of arc welding products, robotic arc welding systems, plasma and oxyfuel cutting equipment and has a leading global position in the brazing and soldering alloys market. Headquartered in Cleveland, Ohio, Lincoln Electric has a global network of manufacturing, distribution, sales and technical support covering more than 160 countries.

INNOVATION

With a long history of innovation in arc welding and cutting equipment, Lincoln Electric has been providing state-of-the-art products and comprehensive process solutions to our customers for more than a century. In the past decade, we have combined the resources and expertise of several leading companies – Torchmate, Vernon Tool, Burny Kaliburn, PythonX and others – to create a single cutting entity to address every possible customer need. What's more, we've developed a worldwide network of R&D centers to oversee the most comprehensive research and product development program in the global welding and cutting industries.

CUSTOMER COMMITMENT AND SUPPORT

Lincoln Electric owes its position as an industry leader to an enduring combination of high quality products, technical expertise and unwavering customer support. Whether you're welding, cutting, integrating an automated system into your existing operation or taking your existing automated system to a new level, we'll help you find a way to do it better and more cost-efficiently. If there's a way to improve your product and your bottom line, we'll show you how it can be done.



We are driven by customer satisfaction and known as the supplier of choice in the many industries we serve. We continuously strive to exceed customer expectations and are not simply known as a provider of equipment and consumables, but as a provider of complete welding and cutting solutions.



THE CUTTING INDUSTRY

Cutting Solutions to Meet the Most Demanding Requirements – Yours.

Lincoln Electric is no stranger to manufacturing. It's the arena in which we've maintained a leadership position for more than a century. Along the way, we've learned that leadership in manufacturing isn't just about welding technology. It's also about cutting technology. It's a fact of life in virtually every industry: aerospace, automotive, machinery, mining, farming, construction, and structural steel, oil, gas and more. No matter the application, no matter the material, no matter the shape, we have the tools and systems and solutions that will enable you to make the cut.

OUR MANY DIMENSIONS, YOUR SINGLE SOURCE

At every step in our evolution, we've focused on building a portfolio of expertise that encompasses every cutting application within the fabrication and industrial manufacturing universe: plasma cutting and motion control, plate cutting, tube and pipe cutting, structural steel cutting and more. There are no miscellaneous brands or products; every segment of Lincoln Electric's overall business is directly aimed at providing solutions to the challenges you face every day. After all, cutting is about much more than just material separation. It's about material handling, robotics and automation, regulatory compliance, part quality and a host of other concerns. We're the one source and the one partner you'll ever need to address it all.

MEETING EVERY CHALLENGE

What started with welding several decades ago has evolved into a range of applications and solutions that apply to virtually every segment of the manufacturing process, including cutting. That's why Lincoln Electric invests in the largest application engineering, automation and R&D support centers in the industry. Highly trained and experienced technologists, engineers and applications personnel are available to not only troubleshoot customer problems in the field – anywhere in the world – but also develop new process or consumable solutions based on whatever customer challenges we encounter. In the end, this industry-leading technical support team has one focus: providing you with the best cutting solutions for your specific needs.





ADVANCED TECHNOLOGY | SIMPLE OPERATION

The Torchmate Classic CNC plasma cutting table by Lincoln Electric® Cutting Systems is designed for the growing fabrication shop. Its size, components, and construction were all engineered to withstand longer hours of continuous operation – a necessity for a shop with big demands.

This table combines the utility of an industrial machine with an entry-level learning curve. The advanced engineering theories behind the perpendicular gantry carriages are paired with very precise components, like the 10:1 gear boxes, to result in a machine resolution of 50 millionths of an inch. This sets a new industry standard for its price range.

Best-Fit Solutions

Available Sizes

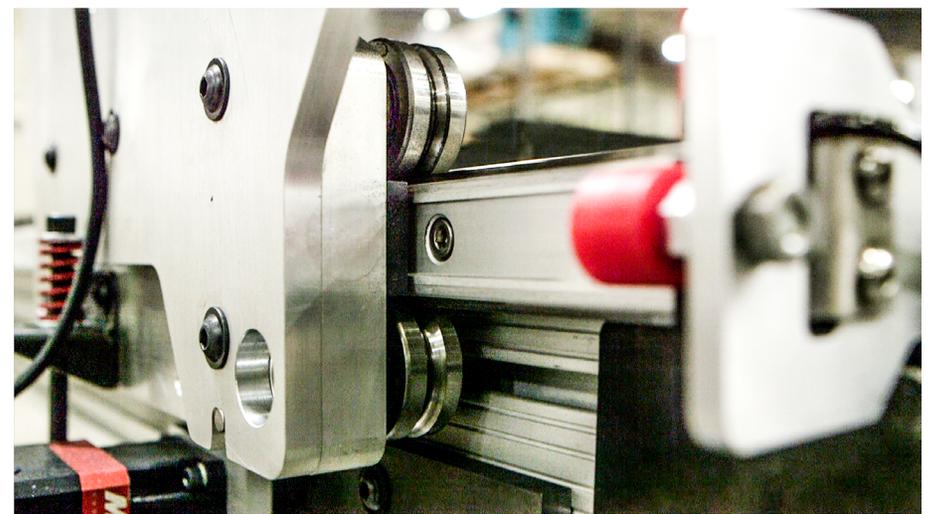
- » 4x8
- » 5x10

Available Options

- » 4x8 Water Table
- » Plasma Power Supply
- » Plate Marker
- » Oxy
- » Router

Table Specifications

Stepper Motors	(3) 396 oz-in	
Gear Box Reduction	(3) 10:1	
Maximum Traverse Speed	1,060 ipm	
Tool Capacity	2 *limited to plate marker and additional tool	
Linear Guidance	V-Rail/V-Groove	
Drive System	Dropped Gear Rack and Pinion	
Gear Engagement	Spring Loaded	
Gantry Carriages	Perpendicular	
Auxiliary Inputs	10	
Auxiliary Outputs	15	
Machine Resolution	.00005"	
Gantry Clearance	5"	
Weight Capacity	1/2" Mild Steel Plate	
Input Power	120 VAC @ 7.5A Max	
Frame Construction	Anodized Extruded Aluminum	
Dimensions	5 × 10:	96" × 145" × 63"
	4 × 8:	84" × 121" × 63"
Weight	5 × 10:	1,500 lbs
	4 × 8:	1,200 lbs





ACCUMOVE MOTION CONTROL TECHNOLOGY

The Torchmate Classic driver software condenses complex algorithms and programming into a single touch-friendly display. It has never been easier to teach multiple operators how to use the machine. Simply load your Torchmate CAD file into the controller, configure the settings, and watch the software track and adjust the torch to achieve your table's best cut quality.

All Torchmate Classic CNC tables come standard with an integrated height controller and industrial Z-axis lifter station. This simplifies the configuration of your settings to a few simple toggles on the monitor, meaning less downtime and increased production.

The barriers to obtaining this technology have never been lower.

ACCUMOVE® Features

Integrated Arc Voltage Height Control (AVHC)

- Ohmic Sensing
- Dynamic Cornering™

Visual Machine Designer Software

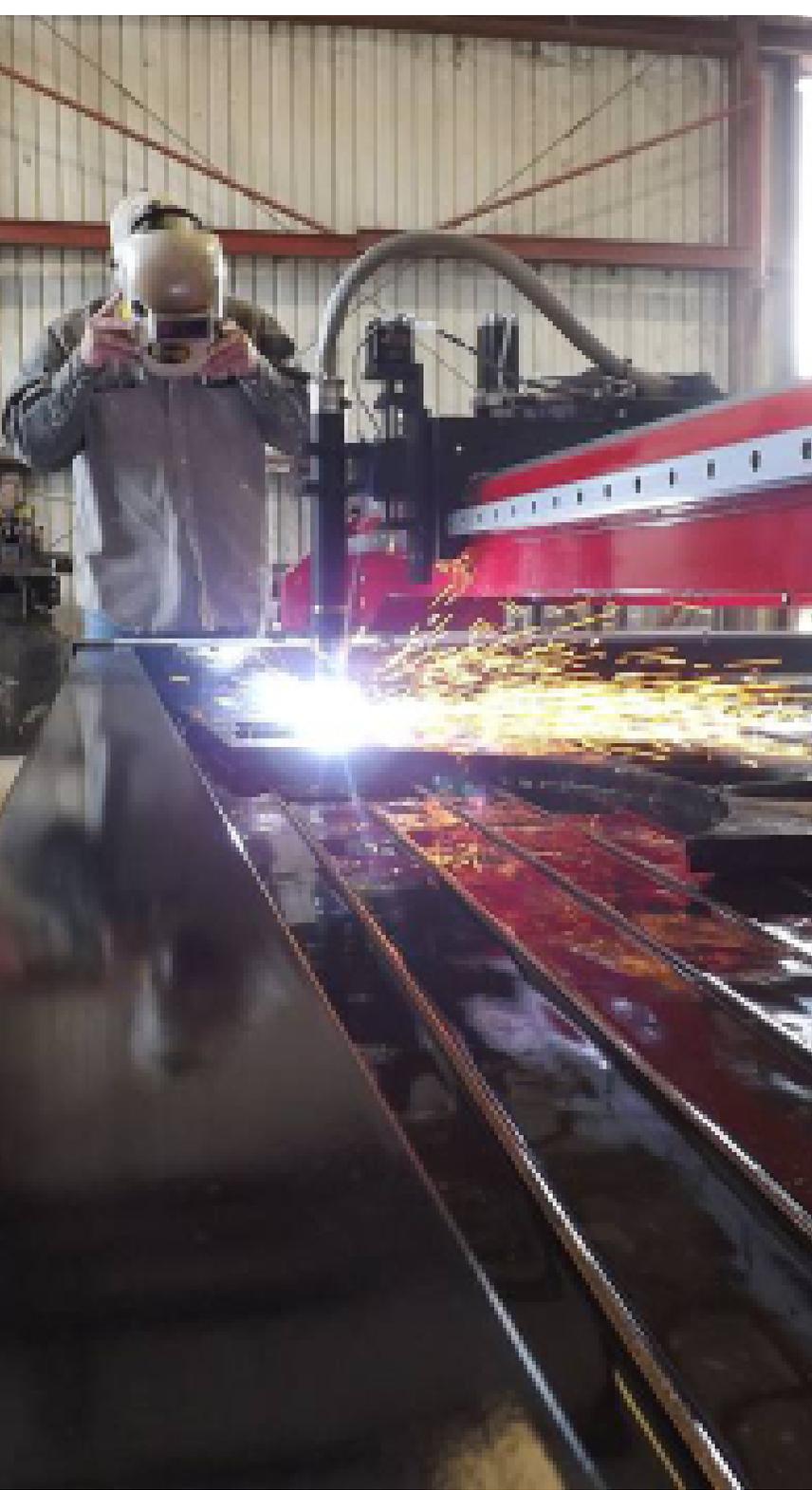
- Tablet Compatible
- 28 Part Shape Library
- Multi-Tasking
- Array Creation
- Job Queue
- Plate Alignment

Industrial Z-Axis Lifter Station

- 6¾" of Travel
- Enclosed Twin V-Rail Linear Guides
- Integrated Lead Screw Drive
- 330 oz-in Stepper Motor

Production Grade CNC Controller

- Ethernet Connectivity
- On-the-Fly Motion Control
- Cut Quality Algorithms
- Advanced Look Ahead
- Deterministic Stepper Output



TORCHMATE TRAINING AND SUPPORT

Torchmate® has the largest technical support staff in the industry. Our team of trained technicians are here full time to walk you through the design, operation, and maintenance of your Torchmate table. This post-sale service is vital to the successful operation of your table, and should be a large part of your buying decision.

We even go one step further by offering a 2-day Torchmate CAD training at our facility in Reno, Nevada. The combination of our facility trainings, technical support, and industry longevity makes buying a Torchmate table an easy decision.





Lincoln Electric Cutting Systems

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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.

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.

