



Instructional Equipment Request (IER) Form

FY 2025-2026

IER#0000092

Banner #:

Requisition #:

Title of Submission:	WLDLT Torchmate 4800 CNC Plasma Cutting System
Vendor Name:	Lincoln Electric/Torchmate
Brief Description of Item(s):	4'x8' Computer Numeric Control (CNC) plasma cutting table, touchscreen interface and FlexCut 80 plasma cutter

Please review all information carefully to ensure timely processing. More information can be found [here](#).

Deadline	Action
10/08/2025	IER forms due to Division Dean
10/15/2025	Division review of IER forms (Dean signature)
10/24/2025	IER forms due to Executive Assistant of Administrative Services (with Dean & VP signature)

Checklist

- ☒ All IER form fields complete
- ☒ Valid quote attached to submission (must be attached before submitting form)
 - **Shipping, installation, and tax** are required on the quote, whenever applicable. This must be provided by the vendor themselves. **Do not split quotes or submit duplicate quotes.**
 - **IMPORTANT:** To comply with state law, purchases between \$ 30,000.00 and \$ 114,800.00 require 3 quotes from 3 different vendors. We're required to proceed with the cheapest option unless a compelling argument can be provided for a more expensive option. If your request is approved, you will be notified *via email* to obtain an **updated quote, two additional quotes**, and complete a [Requisition](#) form. Please monitor your email closely throughout the fiscal year as we **cannot** proceed with your request until these quotes, and any additional requirements, are provided.
 - Purchase requests of \$ 114,800.00 or more must go out for bid* (aka RFP process) and then go to Board for approval. You will be provided further instruction via email after your request is approved.
 - For assistance with quotes, please contact Bill Pagano at bpagano@clpccd.org or (925) 485-5271.
- ☒ IER form, with quote, signed and submitted to Division Dean including:
 - Quote (required)
 - [New Vendor Application](#) (if new vendor*)
 - Copy of [W9](#) (if new vendor*)
 - ***Email Business Office to confirm if vendor is in Banner and if vendor documents are needed**

***Bid Process:** Purchasing submits RFP & selects cheapest bid → Requestor submits [Requisition](#) → Business Office enters Requisition in Banner → Requestor submits Board packet with copy of entered Requisition.

IER Process Flow

1. Completed packet signed and submitted to Division Dean
2. Dean reviews and forwards to Vice President
3. Vice President reviews and forwards to Executive Assistant of Administrative Services
4. Executive Assistant logs requests and forwards to M&O and IT for review
5. RAC reviews and scores requests – scores combined into rankings by Executive Assistant for final review
6. RAC Chair meets with College President to discuss ranked requests
7. College President issues approval memo to RAC
8. RAC notifies requestors via email of approved requests and additional steps (e.g. additional quotes, board, etc.)
9. Requestor submits [Requisition](#) with updated quote(s) (*itemization not required on reqs for IER requests – [see example](#)*)
10. Business Office reviews requisition, enters requisition into Banner, and forwards to Purchasing
11. Purchasing will assist with requests that must go out for bid and requires board approval (requestor will be notified)

Instructional Equipment Definitions

Scheduled Maintenance Instructional Materials Funding:

Allowable Items

Instructional equipment expenditures are eligible if the equipment, library material, or technology is for classroom instruction, student instruction or demonstration, or in the preparation of learning materials in an instructional program. There are five categories that will be used to classify instructional support. Please note that requests are not limited to the examples shown below.

1. **Equipment and Furniture:** instructional equipment and furniture for primary use by students in instructional programs:
 - a. Classroom/laboratory equipment including whiteboard, screen, projector, etc.
 - b. Instructional furniture including desks, tables, podium, chairs, etc.
2. **Information Technology:** instructional information technology equipment for student use in classrooms and/or laboratories including desktops, laptops, monitors, printers, servers, network/wireless infrastructure, AV/TV, multimedia.
3. **Software:** software licenses are allowed but only the initial year is permitted. Other software that are permitted are those that are used in excess of one year and software modifications that add capacity or efficiency to the software that defers obsolescence and results in an extension of the useful life of the software, including registration, counseling, student services, learning management systems for student use.
4. **Adaptive Equipment:** adaptive equipment for ADA/OCR students are allowed to assist them in a learning environment.
5. **Library Material:** databases, online subscriptions, books, periodicals, videos, etc.

Non-Allowable Items

Administrative or non-instructional purposes including equipment being used for administrative or non-instructional purposes is not allowed, including photocopiers, file cabinets, bookcases, computers, networking infrastructure, software licenses.

Lottery Funding:

Allowable Items

Instructional materials: materials used by pupils and their teachers as a learning resource and help pupils acquire facts, skills, or opinions to develop cognitive processes:

1. Laptops and hotspots for students, teachers, and faculty as a learning resource, internet devices
2. May be printed or non-printed, textbooks, technology-based materials, other educational materials, and tests.
3. Basic instructional materials: materials that are designed to be used as a principal learning resource and meets, in organization and content, the basic requirements of the intended course.
4. Technology based materials: basic or supplemental instructional materials designed for use by pupils and teachers as learning resources and that require the availability of electronic equipment in order to be used as a learning resource. o Includes but not limited to software programs, video disks, compact disks, optical disks, video and audiotapes, lesson plans, and databases.
5. Supplies and Materials: Software, books, magazines and periodicals, subscriptions, textbooks, instructional materials printing, instructional supplies including library media, audio visual, instructional food supplies, instructional tests.
6. Other operating expenses: Software licensing fees.
7. Capital Outlay Expenditures: Library books, books replacement, library magazine and periodicals, library nonprint media, instructional software.
8. Basic Needs: Housing and food assistance includes grants to students, housing vouchers, direct payments or reimbursements for housing, efforts to increase enrollment in CalFresh, and provision of food pantries/meal programs or free meals. (Documentation is required to demonstrate the need and proper use of funds).

Measure A Bond Funding:

Allowable Items

1. Upgrade career and vocational classrooms to better prepare students and workers for good- paying jobs.
2. Upgrade classrooms and labs for science, technology, engineering, and math-related fields.
3. Provide or upgrade facilities and resources for career preparation in healthcare, nursing and early childhood education.
4. Upgrade classroom technology.
5. Improve classrooms and resources for paramedic, firefighter and public safety programs.
6. Improve vocational classroom and labs for auto repair, agriculture and environmental science programs.
7. Improve and expand facilities which prepare students for transfer to four-year college and universities.

IE Rubric

RAC evaluates each IE request based on the rubric below. RAC stresses the importance of quality requests. RAC may choose not to rank incomplete IE requests.

Criteria	Strong Evidence	Adequate Evidence	Limited Evidence
LPC Mission & Planning Priorities [Section 2] (5 points) Ranking Scale	Clear and compelling evidence/data that equipment will fully support LPC Mission and Planning Priorities. 4-5	Clear evidence/data that equipment will fully support LPC Mission and Planning Priorities. 2-3	Limited or no evidence/data that equipment will support LPC Mission and Planning Priorities. 0-1
Educational Items: Programmatic Impact and Institutional Support [Section 3] (10 points) Ranking Scale	Clear and compelling evidence/data (as stated in program review) that this equipment will have substantial impact on program curriculum. 8-10	Clear evidence/data (as stated in program review) that this equipment will have substantial impact on program curriculum. 4-7	Limited or no evidence/data (as stated in program review) that this equipment will have an impact on program curriculum. 0-3
Teaching & Learning [Section 4] (10 points) Ranking Scale	Clear and compelling evidence/data that equipment provides much needed or beneficial enhancement to instruction. 8-10	Clear evidence/data that equipment provides enhanced instruction that is not met through current means. 4-7	Limited or no evidence/data that equipment provides enhanced instruction that is not met through current means. 0-3
Safety and/or Org. Effectiveness [Section 5] (5 points) Ranking Scale	Clear and compelling evidence/data that equipment will support safety and/or organizational effectiveness above and beyond current capability. 4-5	Clear evidence/data that equipment will support safety and/or organizational effectiveness beyond current capability. 2-3	Limited or no evidence/data that equipment will support safety and/or organizational effectiveness beyond current capability. 0-1
Outcomes [Section 6] (5 points) Ranking Scale	Clear and compelling evidence/data that equipment will support course and/or program outcomes above and beyond current capability. 4-5	Clear evidence/data that equipment will support course and/or program outcomes beyond current capability. 2-3	Limited or no evidence/data that equipment will support course and/or program outcomes beyond current capability. 0-1

Instructional Equipment Request Form

Name of Requestor: Weston, James

Division: PATH

Discipline: Welding Technology

This Equipment Request is: An Upgrade

SECTION 1: Equipment Description

Describe the specific equipment requested and how it will be used to replace, upgrade, or provide new technology to LPC from what is currently in place:

Equipment Location

Building #: 3500

Room #: 3519

Comments:

This Torchmate 4800 CNC Plasma cutting system is an upgrade from our old Torchmate 2x2 CNC cutting table. The old table has a very limiting 2 foot by 2 foot area to cut material with, this new table will allow us to process full 4'x8' sheets of material straight off our metal rack. The purchase includes Torchmates most recent software and user interface which will make learning how to use it much easier and quicker than our old machine which it now nearly 15 years old.

If applicable, describe the legal requirement, mandate, or safety concern related to the purchase of this equipment, making specific reference to legal requirements or regulations:

N/A

SECTION 2: LPC Mission Statement and LPC Planning Priorities

LPC Mission Statement

Las Positas College is an inclusive, learning-centered, equity-focused environment that offers educational opportunities and support for completion of students' transfer, degree, and career- technical goals while promoting lifelong learning.

LPC Planning Priorities

- Affirm LPC's unwavering commitment to equity by deepening campus-wide engagement, enhancing professional development, embedding equity-minded practices in decision-making, assessment, and accountability processes; and building capacity to resolve inequities.
- Increase student success and completion through sustainable college practices, processes, academic support, removal of barriers, and focused professional development.
- Establish a knowledge base and appreciation for health and wellness in the workplace; create a sense of urgency about wellness; prioritize wellness in decision-making, assessment and accountability; and build capacity to support wellness.

Explain how the equipment supports LPC's Mission Statement and Planning Priorities:

This equipment will provide Las Positas College welding students faculty and staff with and inclusive, learning centered, equity focused environment that offers educational opportunities and support for completion of students transfer, degree, and career technical goals while promoting lifelong learning. Furthermore, this equipment will increase student success in completion through changes in the way we process and practice in our welding environment, coordinating needed academic support, removing barriers in professional focused development of students within the program

SECTION 3: Educational Items | *Program Review*

Specify the educational programs the equipment supports:

This equipment will support the welding technology/advanced manufacturing programs.
This equipment will support the automotive technology program.
This equipment will support the engineering technology program.

Is the equipment part of an upcoming Program Review? Was it included last year? If not, why? Use language from your Program Review to explain:

Our program review has a section that discusses the need for us to be staying at the forefront of welding technology/advanced manufacturing and making sure that students have the tools and technology capable to keep them current in our industry. More than 75% of our student learning outcomes in program outcomes are focused upon passing certification testing. Equipment like this will help students achieve this goal.

SECTION 4: Teaching and Learning

Please use evidence and data that describes how the equipment provides enhancements/benefits to the current level of teaching capabilities:

We currently have no machine like this (size wise) at LPC in any program. Demonstrating and allowing students to learn how to use this incredible machine will allow teachers to focus on showing students how to make clean, quality parts that they can turn around and weld together, saving time on prep work to focus on mastering the art of welding. CNC plasma cutting tables like these are nearly standard in the fabrication shops that our students go to work for. Our teachers want to be able to teach students how to use a machine like this before they enter the workforce.

Detail the impact the equipment has on learning:

Similar to above, our students need to learn how to use a machine like this before they go apply at fabrication shops. Additionally this machine will help staff and faculty make weldable parts for students to learn on more quickly and efficiently.

Please state the number of classes and students the equipment will impact:

Classes/Sections:30

Students:150

SECTION 5: Safety and/or Organizational Effectiveness

Describe, in detail, the impact this equipment will have on safety and/or organizational effectiveness:

Safety- This equipment will be an excellent tool for teaching plasma cutting safety and working around CNC equipment in a fabrication shop.

Organizational Effectiveness- Staff and faculty spend countless hours preparing material for our students. Not only will this be a fantastic tool for students to learn to use but it will also be immensely valuable at quickly and accurately generating weldable materials for students!

SECTION 6: Student Learning Outcomes (SLOs)

Document how the equipment will enable you to surpass your current Student Learning Outcomes:

Approximately 75% of our courses require a student to perform a industry standard welding certification test upon completion of the course. This machines ability to create clean, quality, weld ready parts will help our students focus on certification. This equipment can also be used to fulfill

the student learning outcomes in our welding for the arts class, as these machines are popular pieces of equipment for use in making welded art and welded sculpture, which is a student learning outcome in the art class. Welding workplace safety is one of our program learning outcomes, this will be an excellent way to incorporate plasma cutting safety into our program.

SECTION 7: Total Cost of Ownership | *Maintenance and Sustainability*

Does the new equipment replace older equipment? If so, will you retire/surplus the old equipment? If not, where will you store the older equipment and what are the associated storage costs?

It does replace older equipment we will keep the old equipment for added capacity, variety of things to learn on or at the least, spare parts.

Detail how the equipment meets or exceeds [LPC's Sustainability Efforts](#):

One of the reasons we are so excited to acquire this equipment is for its low maintenance costs. From a sustainability standpoint it has multiple features that will allow us to maximize the use of each square inch of materials we purchase.

Any other additional information?

None

Operator

Primary operator: Weston, James

Does the work align with current position duties? Yes

Cost to train primary operator: 1,163.40

Approx. # of hours equipment will be used per month: 10-15

Comments:

More than likely primary operator(s) will be faculty and students but it asked for an first and last name in the first box.

Maintenance and Repairs

Who will perform maintenance and repairs? James Weston

Estimated hours per month: 1

Does the work align with current position duties? Yes

Cost to train for maintenance and repairs: 0.00

SECTION 7: Total Cost of Ownership | *Maintenance and Sustainability (cont'd)*

Lifespan of Equipment: 15-20 years

FOAP (Budget) for Recurring Costs:

103001	-	33467	-	xxx	-	095650
Fund		Org		Acct		Program

Part A: Initial Start-Up Costs		
Type	Cost	Comments
Equipment or Materials	34,499.00	
Shipping & Delivery Fees	1,750.00	
Installation Costs	0.00	
Miscellaneous Costs	0.00	
Modification to Facilities	0.00	
Operator Training	1,163.40	
Maintenance/Repair Training	0.00	
Other	9,311.07	Accessories
(Enter as Positive) Discounts	0.00	
Start-Up Total	46,723.47	
Part B: Annual Operating Costs		
Type	Cost	Comments
Service/Maintenance	50.00	
Part Replacement	0.00	
Vendor Calibration or Standardization	0.00	
Storage	0.00	
Supplies	50.00	
Maintenance/Repair Labor	0.00	
Software Licensing	0.00	
Other	0.00	
Annual Total	100.00	
Overall Cost:	46,823.47	

Approvals and Signature Routing

Before signing below, please confirm all fields are filled out and all information provided is correct. Requests must be fully complete, signed, and submitted to your Division Dean by the deadline (see page 1). **Quote must be attached to this form before submitting.** 1  Quote (Preferred Vendor)

Title	Signature	Date
Requestor:	<i>James Weston</i>	10/08/2025
Division Dean:	<i>Michael A. McQuiston</i>	10/14/2025
Vice President:	<i>Sean Brooks</i>	10/14/2025
College Technology Services Manager:	<i>Stephen Gunderson</i>	10/15/2025
M&O Director:	<i>JOHN SEYBERT</i>	10/16/2025
Vice President, Administrative Services:	<i>Sean Brooks</i>	10/16/2025



2024 TORCHMATE® 4400 | 4505 | 4800 | 4510 CNC PLASMA TABLE PROPOSAL

Prepared By: Alonna Barnett - Inside Sales Representative
alonna_barnett@lincolnelectric.com - 775-850-0106

Prepared For: Las Positas Community College / Livermore, CA 94551

Cust Email: jweston@laspositascollege.edu / James Weston

Quote #: AB-4025

Date: 09/16/2025

Cust Phone #: 925-424-1137

Distributor:

TSR:

2025 Torchmate 4000 Series

The all-new 2025 Torchmate® 4000 Series CNC Plasma Tables are single source plasma cutting systems designed and built by Lincoln Electric®. The table, the plasma cutter, the motion controls, and the CAD software are Lincoln Electric components. This means you receive a fully optimized system that allows you to start cutting metal the day your new machine arrives, helping deliver you a fast return on your investment. The complete system is backed by a 2 Year Warranty – giving you peace of mind that your machine will deliver exceptional performance for years to come.

Torchmate systems are backed by industry leading training. Torchmate Academy delivers a premium online training platform available 24/7 and produced by the top Torchmate experts in the industry, with easy-to-follow tutorials in high quality video, which gives you the confidence to operate your machine like a pro. With nationwide in-person training available, as well as the opportunity to have a Torchmate expert train you at your facility once your machine arrives, you'll always feel that Lincoln Electric has what you need to help you operate your machine successfully.

Torchmate machines are available with short lead times – with machines shipping in as little as 48 hours, you can rapidly put a new machine into use and start taking on new and bigger projects. The system design refreshes for 2024 give you a new box tubing machine frame that has optional caster wheels to allow you to move the machine with one person around your shop. Integrated box tube fork pockets also allow for easy unloading by forklifts delivering an efficient set-up process. Your new Torchmate machine can be ready to run in as little as 30 minutes with proper electrical and air requirements in place – providing you with a working machine the day it arrives.

New and easy to use software options have been upgraded with features that enhance the machine's capabilities, and give you a smooth and intuitive interface to work with. Finally, the innovative machine frame allows users to customize optional shelving, can holders, work benches and more. A universal pattern allows for many different configurations based on your shop layout.

Choose your system from the below options and be sure to ask our experts any questions you may have. Let Lincoln Electric become your partner as you move into the world of Automation – with our 125 years in business, we look forward to growing with you.



Finance your Investment
starting at

\$607.00

per month o.a.c.



Quote #: AB-4025

Date 09/16/2025

Quote Valid for 30 Days

MACHINE	MACHINE SIZE	POWER SUPPLY	QTY	PRICE
Half Sheet Capacity Machine	4800 [4'x8'] ✓	FlexCut 80 ✓	1	\$ 34,499.00
Full Sheet Capacity Machine ✓	4510 [5'x10']	FlexCut 125		
Single or Three phase power, 50/60hz, 208-575vAC		P/N LECS-080-4800-01		
MACHINE(s) TOTAL				\$ 34,499.00
ACCESSORIES, CONSUMABLES AND SOFTWARE OPTIONS				
4000 TC Tube & Pipe Cutter	LECS-080-4XTC-00			
Lincoln Electric PlateGuard™ Water Table Additive (5 Gallons)	TMS-310-0001-00	4	\$ 966.00	
Pneumatic Plate Marking Tool (Assembly required)	TMS-203-1000-24			
Plasma Cutting Accessory Kit, Advanced	TMS-101-1000-33		\$ 0.00	
Flexcut Consumable Starter Kit	TMS-010-0001-17	5	\$ 6,300.00	
Torchmate CAD CAM v9 Educational Package	TMS-106-0010-03			
Onboard VMD Nest, with DXF & DWG Import capability	TMS-103-0001-10	1	\$ 1,575.00	
Torchmate CAD CAM Additional License	TMS-106-0011-18		\$ 0.00	
Two Stage Air filtration, moisture separation and Dryer assembly	TMS-214-0000-00		\$ 0.00	
Universal Shelf for tools, mouse and keyboard	TMS-182-3003-01	1	\$ 109.81	
Shelf for FlexCut Plasma Cutter	TMS-182-3007-00	1	\$ 360.26	
Bottle Opener	TMS-182-3015-01		\$ 0.00	
Package of single hooks for Pegboards	TMS-182-3016-00		\$ 0.00	
6 pack Bottle, or Tool Holder	TMS-182-3004-01		\$ 0.00	
4.5" Angle Grinder Holder for Pegboards	TMS-182-3006-00		\$ 0.00	
4.5" Disc holder for Grinding Wheels/Flap Discs for Pegboards	TMS-182-3005-00		\$ 0.00	
ALREADY HAS TM CAD EDU				Accessories Total \$ 9,311.07
TRAINING OPTIONS				
Torchmate Success Package Bronze	TMS-010-0001-14	1	\$ 1,050.00	
Torchmate Academy Online Learning Portal, 4x00 Machine and TMCAD	TMS-010-0001-06		\$ 0.00	
TMCAD Basic Project Book Classroom Series	TMS-106-0010-10		\$ 0.00	
Torchmate Student Curriculum	TMS-010-0001-08	1	\$ 56.70	
Torchmate Teacher Answer Key for Student Curriculum	TMS-010-0001-09	1	\$ 56.70	
Onsite Training, 2 Days	TMS-010-0003-02		\$ 0.00	
In-house or Regional Training, Location:	TMS-010-0002-01		\$ 0.00	
\$ 0.00				Training Total \$ 1,163.40
CUSTOMER NAME Las Positas Community College / Livermore, CA 94551			Subtotal	\$ 44,973.47
EMAIL jweston@laspositascollege.edu / James W			Shipping Total	\$ 1,750.00
SHIPPING ADDRESS:			Tax 10.25%	\$ 4,789.16
Forklift Onsite? Yes ☐ No ☐			Grand Total	\$ 51,512.63
I have been made aware of my training options, I have received the terms and conditions				
PO #			Customer Signature	
Sales Associate Alonna Barnett - Inside Sales Repre				
TSR				
Distributor				

This quote is valid for 30 days, and is governed by Seller's Terms and Conditions of Sale attached hereto and/or located at the website indicated below. Any reference to Buyer's request for quote incorporates only the technical information described therein. ALL TERMS AND CONDITIONS IN BUYER'S REQUEST FOR PROPOSAL/QUOTE ARE DEEMED MATERIAL ALTERATIONS AND ARE HEREBY EXPRESSLY REJECTED. Seller's Website: <https://torchmate.com/terms-and-conditions>

CHOOSE YOUR CONFIGURATION | HALF SHEET MACHINES

4400 TABLE

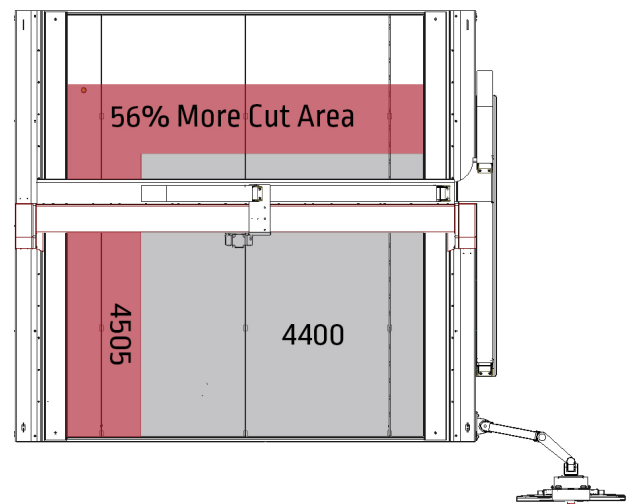
The Torchmate Half Sheet Machines are user friendly and fully assembled CNC Plasma cutting tables. Designed to begin cutting in as little as 30 minutes, these robust machines contain production grade components to deliver consistent cuts every time. This high-end cutting table has a small footprint and can easily fit into any small-to-medium sized fabrication shops. All that is required to begin cutting is compressed air, power, dedicated ground rod and water. The plasma cutter, water table, slat supports, computer, CNC controller, height control and magnetic torch breakaway are included in the base price.



56%
more material capacity
than a 4400

4505 TABLE

The newest machine in the line, the Torchmate 4505, is a machine that gives you the ability to process a 5' x 5' sheet of steel, giving you over 56% more material capacity than a 4400.



CHOOSE YOUR CONFIGURATION | FULL SHEET MACHINES

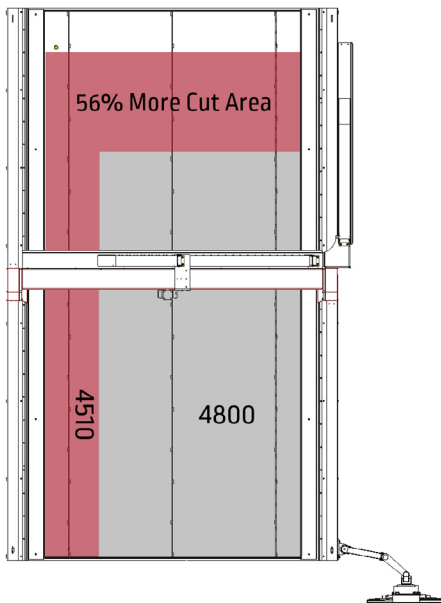


4800 TABLE

Designed for growing businesses, the Torchmate 4800 is the ideal cutting machine. Within 30 minutes of uncrating, the fully assembled Torchmate 4800 machine will be ready for any job. With a longer cutting area, additional shearing fees and costs can be avoided. Lincoln Electric engineers have performed extensive tests to help warrant the table having consistent cut quality, regardless of where the material is positioned.

4510 TABLE

Like the other 4000 Series machines, the Torchmate 4510 is fully assembled and made to begin cutting in as little as 30 minutes after being delivered. This machine has the largest cutting area of all the 4000 Series tables. With a 5'x10' cutting area, the Torchmate 4510 has 56% more material capacity than the Torchmate 4800. This machine was designed to help save you time and money while providing the same great benefits the Torchmate 4400, 4505 and 4800 offer.



56%
more material capacity
than a 4800

CHOOSE YOUR **ACCESSORIES**



4000 TC PIPE & TUBE CUTTER

The two-axis tube cutter is capable of cutting and profiling schedule 40 pipe with an outside diameter of 1.5 to 6 inches and a machine cutting envelope of 84 inches. It easily connects to the 4x00 series tables with cable connections. The 2 inch through chuck offers motorized bevel cutting up to a 45° cut angle for weld coupons.

PLATEGUARD WATER TABLE ADDITIVE

Help prevent surface corrosion on steel plate loaded on the table and help extend the life of your machine bed by adding Lincoln Electric's concentrated Plateguard solution.



TWO STAGE AIR FILTER ASSEMBLY

Extend the life of your consumables and protect your plasma cutter from harmful particulates and moisture from the compressed air source. This easy to install assembly filters particulates down to 5 microns, and dries the air with a moisture separator and desiccant drier stage.



PNEUMATIC PLATE MARKER

The Plate Marker Accessory is a pneumatic oscillating engraving tool that allows for high-precision markings and details on a wide range of metals.



ACCESSORY PACKAGES

Lincoln Electric offers multiple personal protective equipment and post process tooling kits to complete any CNC Plasma Cutting machine. The basic kit provides essential PPE for arc cutting. Our advanced kit offers the same essential PPE in addition to post process tooling and consumables for plasma arc cutting and material finishing.

CHOOSE YOUR ACCESSORIES

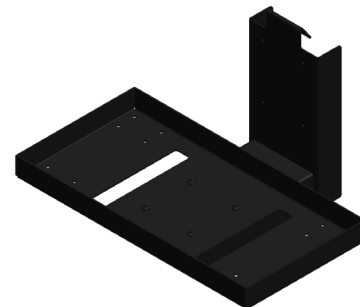
ANGLE GRINDER HOLDER

Hang your angle grinder for post processing on this convenient hook on the machine for easy access and storage.



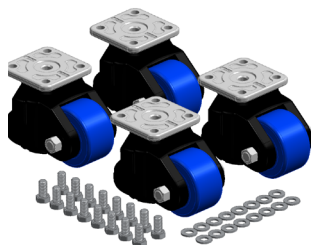
FLEXCUT PLASMA CUTTER SHELF

Hang the FlexCut power supply on the leg of your Torchmate 4000 series to keep the system together when on Caster wheels.



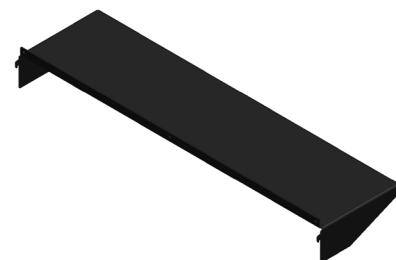
CASTER WHEELS WITH LEVELING PAD

Make your Torchmate 4000 series system mobile, wheel the system into position or into storage after use. Leveling pads offer stability while the machine is in operation.



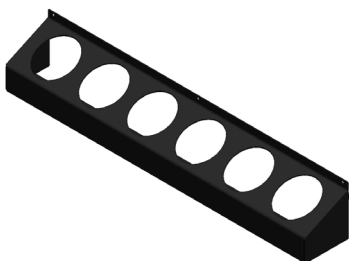
SHELF ATTACHMENT

Need more bench space? Place a keyboard & mouse, tools, or small parts on this shelf that mounts on any of the 4 sides of the Torchmate 4000 series.



BOTTLE OR TOOL HOLDER

Mark your parts with paint for organization? Keep cleaning supplies nearby? Need a place to set your beverage? Our holder can be placed anywhere on the Universal Rail Mount of the Torchmate 4000 series and hold up to 6 individual bottles for your needs.



DISC OR GRINDING WHEEL HOLDER

A vertical "dispenser" style holder for your 4.5" angle grinder discs, load from the top and dispense from the slot on the bottom. Keep your consumables for post processing nearby and handy.



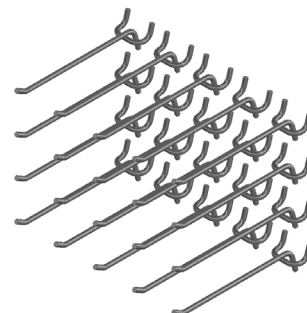
BOTTLE OPENER

Open a beverage with this mountable bottle opener. Standard pop-off bottle opener shape and style.



PEGBOARD HOOKS

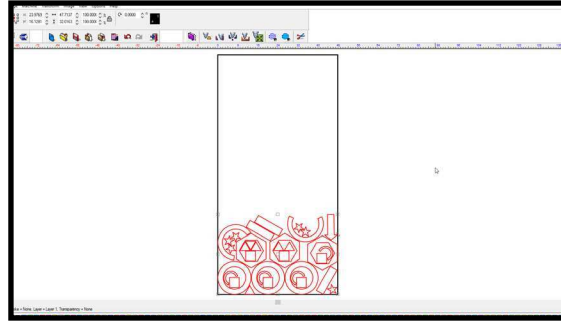
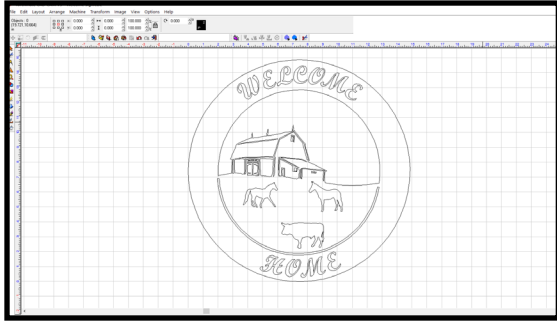
This package of Pegboard hooks allows you to hang your consumable blister packs, PPE, and anything else you need at the machine conveniently underneath the front or back of your Torchmate 4000 series system.



EASY TO USE CAD/CAM SOFTWARE

CUSTOMIZED & INTEGRATED SOLUTION

Torchmate CAD/CAM version 10 offers a complete CAD and CAM package for Lincoln Electric's line of 2d plasma cutting tables. Lincoln Electric has taken the voice of the customer and has released the new version 10 software for 2024. This is the most efficient and easy to use CAD/CAM package to date.



Hole Optimization

Optimize hole features automatically based on the ratio of the diameter of the hole, to the material thickness. Torchmate CAM will optimize the feed rate, and lead in based on this ratio to improve the cylindricity of the hole.



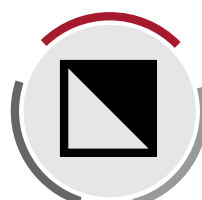
Tool-Pathing / Integrated Cut Charts

Offering users kerf width compensation, lead-ins and lead-outs and cut sequencing to create tool paths that are ready for CNC machines to follow. Contains the appropriate parameters for FlexCut® 80 & FlexCut 125 from cut speed to arc voltage.



Irregular Shape Nesting*

Users can set minimum rotational values, clearance between parts or choose a desired quantity. Dead space nesting allows smaller parts to nest inside larger scrap pieces, automatically. Multi Sheet nesting - select all of the desired parts and the software will automatically nest to a new sheet when the previous sheet is full.



Raster to Vector*

The raster to vector feature converts images to black and white and automatically traces edges or manually trace using the node editing tool. The vectorization tool allows you to convert image files into editable CAD drawings.



Professional Text Wrapping*

Easily wrap text around a curve, or along a path by utilizing the click and drag stretch tools on the text object itself, or entering exact dimension details of the radius in the toolbar. No need to manually break the text and rotate each letter to the appropriate position.

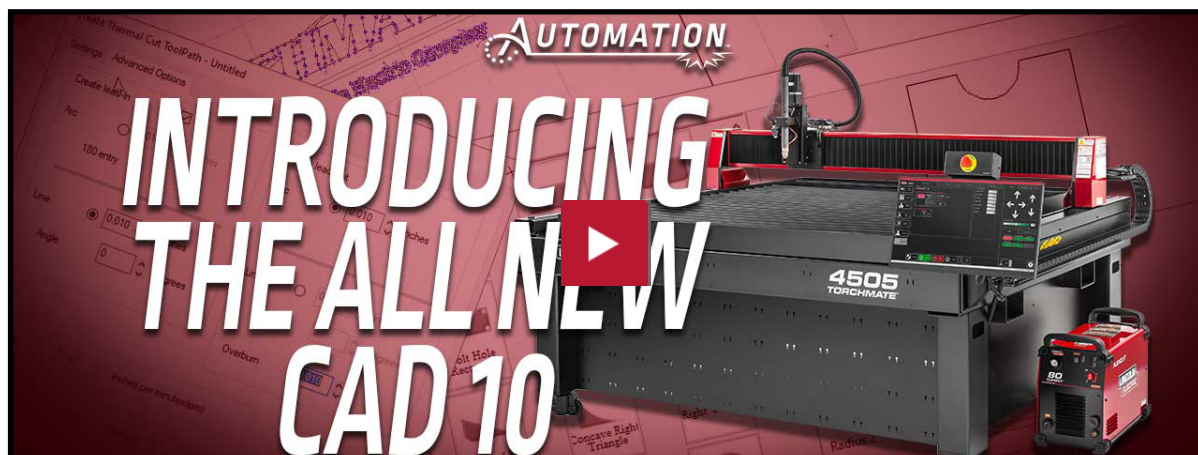
*Optional upgrade for purchase

TORCHMATE CAD 10 SOFTWARE FEATURES

CHOOSE YOUR SOFTWARE

SOFTWARE OPTIONS	TMCAD Lite	VMDnest*	TMCAD Full	TMCAD Professional (Upgrade)
CAD	●		●	●
CAM	●	●	●	●
Single Sheet Nesting		●	●	●
Multi Sheet Nesting			●	●
Plasma Cut Charts	●	●	●	●
Basic Shapes Library		●		
Advanced Shapes Library	●		●	●
Vectorization			●	●
Text Wrapping				●
Font Package				●
Bolt Hole Optimization	●		●	●

*Online only software



Watch TMCAD 10 Overview Video

TORCHMATE TRAINING OFFERINGS

BASIC TORCHMATE OPERATIONS TRAINING

During each of our training options, we introduce the CAD software, cover basic functions and tools, generate basic shapes and discuss welding and make/break path functions. During in-person trainings, you will work on nameplate and clip-art projects and importing images to use the vectorization tool. As you progress through the training, we will teach you more advanced tools like array nesting, badging, polyarc vs. polygon and generating precision parts by node editing.



Online Torchmate Academy

Torchmate Academy is an online-based learning platform that takes the user guide's information to a new level. It covers all of the key features and functions in more detail. Video walkthroughs and supporting documentation are provided throughout to assist you in getting the most out of your Torchmate investment.

<https://torchmate.com/academy>



Torchmate LIVE Virtual Training

Torchmate LIVE is an interactive training solution for individuals that cannot travel or have the time for in-house training, but need personal interaction of an on-site training. We bring the instructor to your facility via the internet. Join via ZOOM with our expert trainers to cover the machine basics and operations. Schedule your time on our website:

www.torchmate.com/seminars



Onsite Torchmate Training

Have our expert technicians come to your facility for 1-, 2-, or 3-day machine training and servicing at your facility. The provider will cover the machine operations, proper maintenance, and software training for a flat rate. For pricing and availability, email our team:

LECSfieldservice@lincolnelectric.com



Classroom Torchmate Training

Classroom training is a 3-day, hands-on project-based classroom training held at locations across the U.S. Learn and create real-world projects that cover the TMCAD software and its features. Take those projects and cut them out on the machine where the trainers will cover everything from cut quality to proper maintenance. Build the proper foundation to streamline your success.

www.torchmate.com/seminars

TRAINING SUCCESS PACKAGES

Torchmate Success Packages are the best way for you to get up and running successfully with your new Torchmate machine in as little time as possible. Select the success package that fits your needs - from Virtual Group Training in our Bronze Package, all the way to our onsite training option included in our Platinum package.

By choosing one of these packages you will be able to operate your machine with confidence and be able to rapidly integrate the machine into your day to day operation.

PLATINUM	GOLD	SILVER	BRONZE
• Torchmate Academy 4 users - 1 year access	• Torchmate Academy 3 users - 1 year access	• Torchmate Academy 2 users - 1 year access	• Torchmate Academy 1 user - 1 year access
• Torchmate Onsite 2 days of training	• Torchmate classroom 1 seat	• Torchmate LIVE 2 hour private class	• TMA completion within 30 days = \$500 account credit
• \$1,200 FlexCut consumables package	• \$1,200 FlexCut consumables package	• \$600 FlexCut consumables package	• \$600 FlexCut consumables package
• TMA completion within 30 days = \$500 account credit	• TMA completion within 30 days = \$500 account credit	• TMA completion within 30 days = \$500 account credit	

Contact your sales representative for pricing.

Redeem your TMA account credit here: <https://torchmate.com/academy-complete>



TRI FUSION LLC CUSTOMER SUCCESS STORY

Challenge

Tri Fusion LLC is a diversified fabrication and printing business. The company was founded by John Cockerill in 2013. Unlike many fabrication businesses, John made the leap to open shop with nearly no fabrication background or experience. As a retired deputy and former serviceman, John was not afraid of a challenge. He told himself he would learn anything and everything needed to build a successful business.

Solution

Tri Fusion uses the **Torchmate Table** to cut parts, signs, brackets and more. It is now an elite one-stop shop for nearly all fabrication and printing needs.



Full story & video [\[link\]](#)

Results

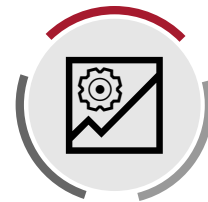
Over the years, Tri Fusion has slowly incorporated more and more machinery to their arsenal. They now have CNC machines, plasma cutters, latex printers, laser cutters and industrial laminators. With so much equipment under their roof, they are able to make just about anything one can imagine. A dream that started with only a Torchmate table, has grown into an entire fabrication empire.



Improved Efficiency



**Excellent & Repeatable
Cut Quality**



Higher Output

“We use our Torchmate all the time; we just recently cut a twenty-two foot sign for an apartment complex”

John Cockerill
Owner

“We will always choose Torchmate because of the customer support”

John Cockerill
Owner

About Tri Fusion LLC.



Tri Fusion LLC was founded in 2013 and started by offering only Plasma Cutting. Over the years they have slowly incorporated more machinery to their arsenal. They now offer laser engraving and cutting, screen printing, latex printing, CNC routing, and industrial laminating.

TP WELDING CUSTOMER SUCCESS STORY

Challenge

Thomas Precision Welding, a multifaceted metal fabrication and welding business, needed a solution that would allow them to quit outsourcing and hand cutting projects. They purchased a Torchmate Table and haven't looked back.

Solution

"One example of how the **Torchmate** solved a problem is we used to only be able to hang 10 top rails at a time and at \$60 a piece we were making \$600 per job. The Torchmate allowed us to design and cut out a custom jig which now allows us to hang 28 top rails at a time and make about \$1,700 per job." - *George Parachou*



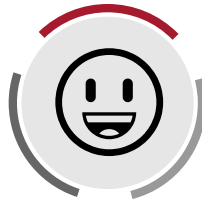
Full story & video [\[link\]](#)

Results

With the Torchmate Table, TP Welding can now control their lead times. They can deliver a product within a week or sooner which generates more work for the business as a whole.



**In-House
Manufacturing**



**Increased Customer
Satisfaction**



Higher Profits

"With the acquisition of the powder coating company and the Torchmate table, we have grown the business by 10 times within one year."

George Parachou
Co-Owner

"Torchmate is the Easiest CNC Machine to learn."

Thomas Parachou
Owner

About TP Welding



Thomas Precision Welding is a metal fabrication, powder coating and welding business. TP Welding is located in Mound House, Nevada, only 1 hour away from the Lincoln Electric Cutting Systems headquarters. It is a father and son owned business that was built from the ground up over 7 years ago.

SYSTEM SPECIFICATIONS

Product Name	Machine Size	Shipping Weight	Water Capacity	Material Weight Capacity
Torchmate 4400	74" x 67" x 63"	1,322 lbs (600 kg)	60 Gallons (230 Liters)	48" x 48" holds maximum of 652.8 lbs (40.8 lbs per square foot)
Torchmate 4505	86" x 79" x 63"	1,480 lbs (671 kg)	71 Gallons (269 Liters)	60" x 60" holds maximum of 1,020 lbs (40.8 lbs per square foot)
Torchmate 4800	74" x 114" x 63"	1,847 lbs (838 kg)	107 Gallons (405 Liters)	48" x 96" holds maximum of 1,305.6 lbs (40.8 lbs per square foot)
Torchmate 4510	86" x 138" x 63"	2,452 lbs (1,112 kg)	140 Gallons (530 Liters)	60" x 120" holds maximum of 2,040 lbs (40.8 lbs per square foot)

See OSHA guidelines for proper forklift

Power Requirements

- 110V / 10A Dedicated circuit
- 87-109 psi [6-7.5 bar] 380 SCFH 180 SLPM
- FC80 1 phase: 208,230 50/60hz or 3 phase 208,230,400,460,575 50/60hz
- FC125 3 phase: 380,400,415,460,575 50/60hz

Cut Speed

- Flexcut 80 1/4" [148 ipm], 1/2" [52 ipm], 3/4" [26 ipm]
- Flexcut 125 1/4" [210 ipm], 1/2" [88 ipm], 3/4" [52 ipm], 1" [32 ipm]

Traverse Speed

- 500 ipm

Machine Construction

- Structural Steel Welded Frame Members with Powder Coated Finish

Safety

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

Motors

- Stepper Motors [3] 396 oz-in

Drive System

- Spring loaded Rack and Pinion

Linear Guidance

- Dual 20 mm Y axis and Dual 15mm X axis

Height Control

- Magnetic Torch Breakaway
- Ohmic Sensing
- Automatic Torch Arc Voltage Height Control

Features

- Laser Pointer Attachment
- Water Table Fume Extraction
- Industrial Touchscreen HMI
- CNC controller

Included With Each Torchmate Machine



Exceptional Warranty

2 year machine and plasma torch lead warranty plus 3 year plasma power supply warranty



Technical Phone Support

Professional technical support representatives available Monday-Friday - based in Reno, NV



Consumable Starter Kit

Contains electrode, nozzles, shield caps, a swirl ring and a retaining cap for FlexCut plasma cutters

PLASMA SPECIFICATIONS

FLEXCUT® 80



80 Amp Plasma

3/4" CUT CAPACITY (MILD STEEL)

The FlexCut 80 is a constant current, plasma cutting power source that delivers faster cut speeds, optimal cut performance, and durability. The Flexcut 80 provides unparalleled plasma cutting efficiency.

FLEXCUT® 125



125 Amp Plasma

1.0" CUT CAPACITY (MILD STEEL)

The FlexCut 125 is the industry's first conventional air plasma cutter equipped with plasma marking. The powerful mechanized plasma cutter provides exceptional pierce and cut capabilities.

Product Name	Input Power Voltage/Phase/Hz	Rated Input Current/Voltage/Duty Cycle	Air Pressure Required	Production Cutting Capacity	
FlexCut 80	208/230/400/460/575 3PH 50/60Hz	60A/140V /100% 80A/140V /80%	87-109 PSI (6.0 - 7.5 Bar)	Mild Steel	3/4" [20 mm]
	230 1PH 50/60Hz	60A/140V /100% 80A/140V /80%		Stainless	5/8" [16 mm]
	200-208 1PH 50/60Hz	60A/140V /100% 80A/140V /80%		Aluminum	5/8" [16 mm]
FlexCut 125	308-400-415/460/575V 3PH 50/60Hz	125 A/125V /100%	90-120 PSI (6.2 - 8.2 Bar)	Mild Steel	1.0" [25mm]
				Stainless	3/4" [20 mm]
				Aluminum	1.0" [25 mm]

Cut speeds for best quality, production results may vary.

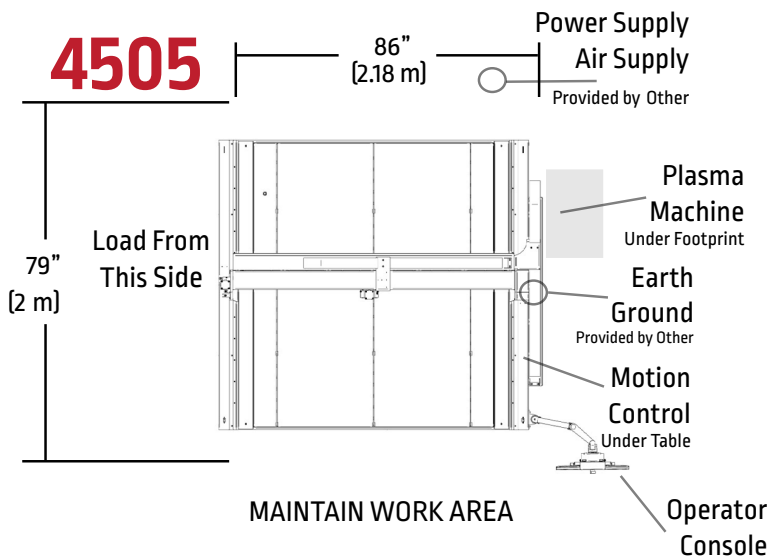
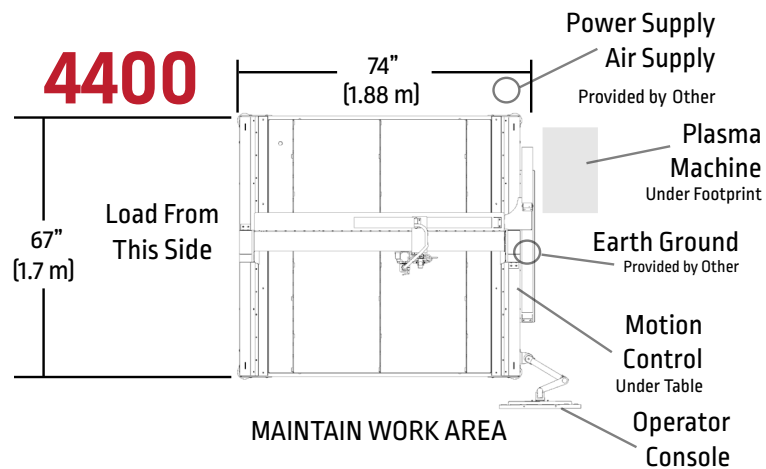
More FlexCut 80 Details [\[Link\]](#)

More FlexCut 125 Details [\[Link\]](#)

LAYOUT

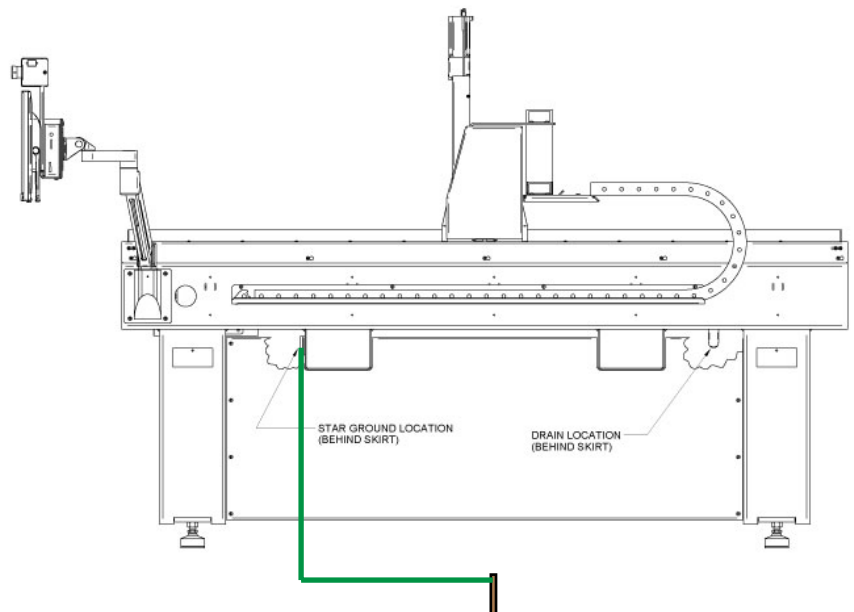
Please Note:

- When preparing to install the Lincoln Electric CNC cutting system, provide sufficient space. Three feet of work space (914 mm) should be obstacle free around the machine.
- Forklift load material opposite the cable carrier only. Utilize the back of the machine to park the gantry while loading material.
- A dedicated earth ground must be provided and should be installed in a manner to reduce trip hazard.
- The power lead included is limited to 10 feet.



Please Note: Power supply does not include a plug, it must be supplied by an electrician.

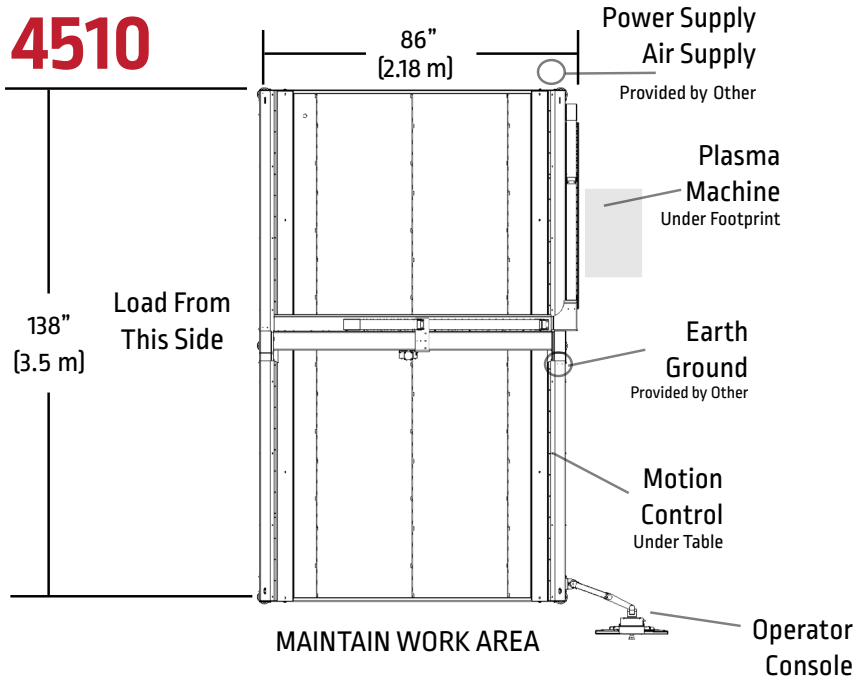
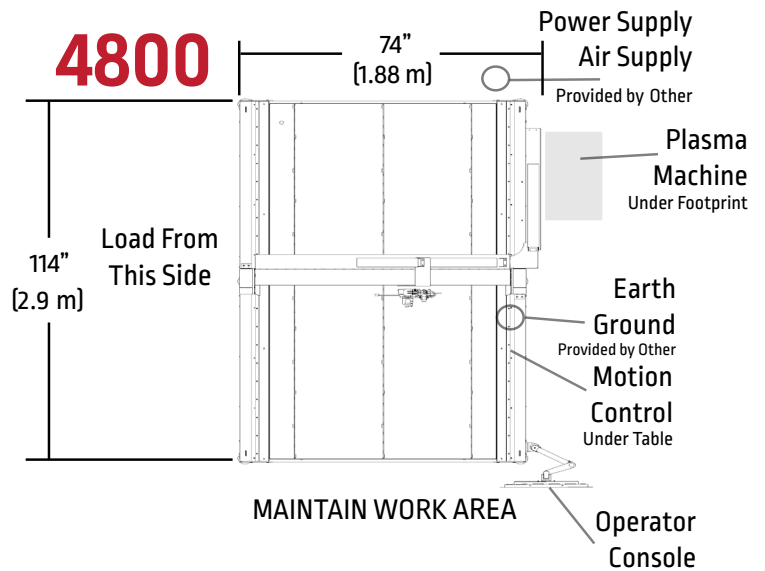
Proper grounding must be provided to help establish a safer environment for personnel and to suppress high frequency noise. The foundation of good grounding is an effective earth ground rod. A star ground point connects to the rod with a short, heavy conductor. A simple copper clad steel rod can be driven into the ground to create a



LAYOUT

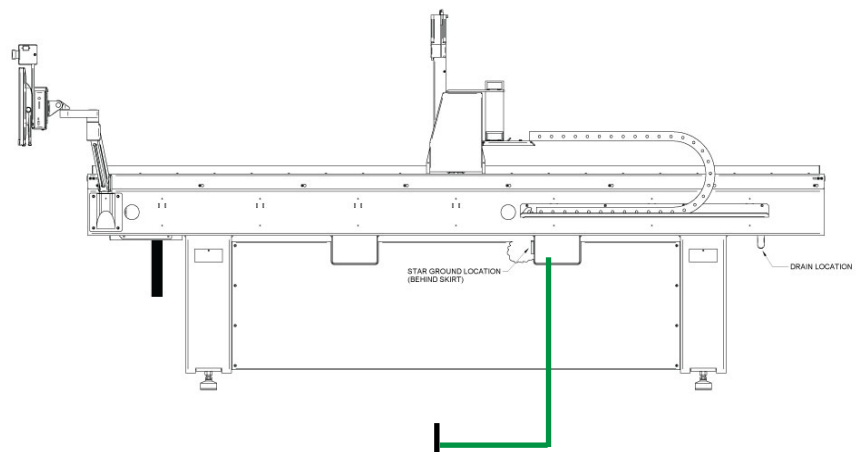
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TORCHMATE RESOURCES

Video Resources

GET STARTED, LEARN TO CUT, AND TROUBLESHOOT WITH YOUR TORCHMATE



Plate Alignment



Operations Walkthrough



Installation Time-lapse



Using the Shape Library

[View All](#)

Operator's Manuals

DOWNLOAD THE OPERATOR'S MANUALS AND SYSTEM CATALOGS

Torchmate Operator's Manuals

[Link](#)

Visit <https://torchmate.com/support/4400> for service and support.

FlexCut Operator's Manuals

[Link](#)

Frequency Asked Questions

SEE WHAT OTHER TORCHMATE USERS ARE ASKING

How do I track my order?

Contact the distributor or Lincoln Electric sales representative listed on page 1 of this quote.

How do I set up my Torchmate Table?

Follow step-by-step instructional videos on how to get your Torchmate up and running in no time [here](#). (youtube.com/@LEAutomation)

What thickness and materials can the Torchmate CNC plasma machines cut?

We offer tables and power supplies that can cut material thicknesses between 18 gauge up to 2 inches.. Click [here](#) to explore each Torchmate Table's cutting abilities.

How do I contact Torchmate support?

The support team is equipped to answer your Torchmate questions and concerns. Fill out the following form to contact the support team [here](#). (<https://torchmate.com/technical-support>)

[View All](#) (<https://torchmate.com/faqs>)

Learn more about our training options at <https://torchmate.com/seminars>



Service, parts & consumables available at www.torchmatestore.com





TERMS AND CONDITIONS

This quote is valid for 30 days, and is governed by Lincoln Electric's Terms and Condition of Sale – Automation Products and Services, found at <https://torchmate.com/terms-and-conditions>. Any reference to Customer's request for quote incorporates only the technical information described therein. All terms and conditions in Customer's request for proposal/quote are hereby expressly rejected. This proposal contains proprietary and confidential information of Lincoln Electric, and shall not be used, disclosed or reproduced, in whole or in part, for any purpose other than to evaluate this proposal, without the prior written consent of Lincoln Electric. Title in and to this document and all information contained herein remains at all times in Lincoln Electric.

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.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and 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.

 **Warning: Cancer and Reproductive Harm** - <https://www.p65warnings.ca.gov/>

Publication US70-120924HR1-01

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www.lincolnelectric.com/automation



AIRGAS USA, LLC
800 GREENVILLE RD
LIVERMORE CA 94550-9241
T: 925-449-9353
F: 925-449-9356

QUOTATION

YOU CAN PLACE THIS ORDER
ON WWW.AIRGAS.COM

Quote For: 4020109
ATTN WELDING DEPT
CHABOT LAS POSITAS CC DIS
3000 CAMPUS HILL DR
LIVERMORE CA 94551-7623
T: 925-424-1137

Sold To: 4039541
CHABOT LAS POSITAS CC DIS
FL 3
7600 DUBLIN BLVD
DUBLIN CA 94568-2909
T: 925-485-5221

Quote Number	2013794629
Quote Date	09/17/2025
Prepared By	Jacob Lenau
Contact Phone	+1 916-379-1000 EXT 149
Account Manager	ROBERT HEATH
Total Access Rep	Zane Comina
PO Number	
Release Number	
Ordered By	

Item	Material/Description	Plant	Order Qty	UM	Vol/Wt	UM	Unit Price	UM	Ext Price
10	APPGENERIC LINCOLN ELECTRIC CO Part number: LEC5-080-4800-01 Single or Three Phase power, 50/60 hz, 208-575vAC	W503	1	EA			34,499.00	EA	34,499.00
20	APPTMS-310-0001-00 ADDITIVE WATER PLATEGUARD 5GAL	W503	4	EA			241.50	EA	966.00
30	APPGENERIC LINCOLN ELECTRIC CO Part Number: TMS-010-0001-17 Flexcut Consumable Starter Kit	W503	5	EA			1,260.00	EA	6,300.00
40	APPGENERIC LINCOLN ELECTRIC CO Part number: TMS-103-0001-10 Onboard VMD Nest, With DXF and DWG Import Capability	W503	1	EA			1,575.00	EA	1,575.00
50	APPGENERIC LINCOLN ELECTRIC CO Part Number: TMS-182-3003-01 Universal Shel for tools,mouse and keyboard	W503	1	EA			109.81	EA	109.81
60	APPGENERIC LINCOLN ELECTRIC CO Part Number: TMS-182-3007-00 Shelf for Flexcut Plasma Cutter	W503	1	EA			360.26	EA	360.26
70	APPTMS-010-0001-14 PACKAGE TRAINING TORCHMATE 4000 BRONZE SUCCESS	W503	1	EA			1,000.00	EA	1,000.00
80	APPGENERIC LINCOLN ELECTRIC CO Part Number: TMS-010-0001-08 Torchmate Student Curriculum	W503	1	EA			56.70	EA	56.70



AIRGAS USA, LLC
800 GREENVILLE RD
LIVERMORE CA 94550-9241
T: 925-449-9353
F: 925-449-9356

QUOTATION

Item	Material/Description	Plant	Order Qty	UM	Vol/Wt	UM	Unit Price	UM	Ext Price
90	APPGENERIC LINCOLN ELECTRIC CO Part Number: TMS-010-0001-09 Torchmate Teacher Answer Key for Student Curriculum Shipping & Handling	W503	1	EA			56.70	EA	56.70 1,750.00

Incoterms	Freight Paid by Customer	Quote Amount	46,673.47
Shipping Method	Airgas Truck	Sales Tax	4,604.66
Payment Terms	NET 30	Quote Total	51,278.13

Please refer to this quotation when ordering.

Terms and Product Pricing are valid until 10/16/2025. Due to the potential impact of tariffs, this quote is subject to change.

Final pricing will be confirmed at the time of order placement.

Surcharges, Taxes & Freight may not be included or may change at time of billing.

Airgas reserves the right to decline or cancel any order at any time prior to shipment. For more information about returns and cancellations, please visit us online at [Airgas.com/terms-of-sale](https://www.airgas.com/terms-of-sale).

Comments :



2024 TORCHMATE® 4400 | 4505 | 4800 | 4510 CNC PLASMA TABLE PROPOSAL

Prepared By: Alonna Barnett - Inside Sales Representative
alonna_barnett@lincolnelectric.com - 775-850-0106

Prepared For: Las Positas Community College / Livermore, CA 94551

Cust Email: jweston@laspositascollege.edu / James Weston

Quote #: AB-4025

Date: 09/16/2025

Cust Phone #: 925-424-1137

Distributor: Linde Gas & Equipment

TSR: Rafael Herrera

2025 Torchmate 4000 Series

The all-new 2025 Torchmate® 4000 Series CNC Plasma Tables are single source plasma cutting systems designed and built by Lincoln Electric®. The table, the plasma cutter, the motion controls, and the CAD software are Lincoln Electric components. This means you receive a fully optimized system that allows you to start cutting metal the day your new machine arrives, helping deliver you a fast return on your investment. The complete system is backed by a 2 Year Warranty – giving you peace of mind that your machine will deliver exceptional performance for years to come.

Torchmate systems are backed by industry leading training. Torchmate Academy delivers a premium online training platform available 24/7 and produced by the top Torchmate experts in the industry, with easy-to-follow tutorials in high quality video, which gives you the confidence to operate your machine like a pro. With nationwide in-person training available, as well as the opportunity to have a Torchmate expert train you at your facility once your machine arrives, you'll always feel that Lincoln Electric has what you need to help you operate your machine successfully.

Torchmate machines are available with short lead times – with machines shipping in as little as 48 hours, you can rapidly put a new machine into use and start taking on new and bigger projects. The system design refreshes for 2024 give you a new box tubing machine frame that has optional caster wheels to allow you to move the machine with one person around your shop. Integrated box tube fork pockets also allow for easy unloading by forklifts delivering an efficient set-up process. Your new Torchmate machine can be ready to run in as little as 30 minutes with proper electrical and air requirements in place – providing you with a working machine the day it arrives.

New and easy to use software options have been upgraded with features that enhance the machine's capabilities, and give you a smooth and intuitive interface to work with. Finally, the innovative machine frame allows users to customize optional shelving, can holders, work benches and more. A universal pattern allows for many different configurations based on your shop layout.

Choose your system from the below options and be sure to ask our experts any questions you may have. Let Lincoln Electric become your partner as you move into the world of Automation – with our 125 years in business, we look forward to growing with you.



Finance your Investment
starting at

\$607.00

per month o.a.c.



Quote #: AB-4025

Date 09/16/2025

Quote Valid for 30 Days

MACHINE		MACHINE SIZE		POWER SUPPLY		QTY	PRICE
Half Sheet Capacity Machine		4800 [4'x8']	✓	FlexCut 80	✓	1	\$ 34,499.00
Full Sheet Capacity Machine	✓	4510 [5'x10']		FlexCut 125			
Single or Three phase power, 50/60hz, 208-575vAC				P/N	LECS-080-4800-01		
MACHINE(s) TOTAL							\$ 34,499.00
ACCESSORIES, CONSUMABLES AND SOFTWARE OPTIONS							
4000 TC Tube & Pipe Cutter				LECS-080-4XTC-00			
Lincoln Electric PlateGuard™ Water Table Additive [5 Gallons]				TMS-310-0001-00		4	\$ 966.00
Pneumatic Plate Marking Tool [Assembly required]				TMS-203-1000-24			
Plasma Cutting Accessory Kit, Advanced				TMS-101-1000-33			\$ 0.00
Flexcut Consumable Starter Kit				TMS-010-0001-17		5	\$ 6,300.00
Torchmate CAD CAM v9 Educational Package				TMS-106-0010-03			
Onboard VMD Nest, with DXF & DWG Import capability				TMS-103-0001-10		1	\$ 1,575.00
Torchmate CAD CAM Additional License				TMS-106-0011-18			\$ 0.00
Two Stage Air filtration, moisture separation and Dryer assembly				TMS-214-0000-00			\$ 0.00
Universal Shelf for tools, mouse and keyboard				TMS-182-3003-01		1	\$ 109.81
Shelf for FlexCut Plasma Cutter				TMS-182-3007-00		1	\$ 360.26
Bottle Opener				TMS-182-3015-01			\$ 0.00
Package of single hooks for Pegboards				TMS-182-3016-00			\$ 0.00
6 pack Bottle, or Tool Holder				TMS-182-3004-01			\$ 0.00
4.5" Angle Grinder Holder for Pegboards				TMS-182-3006-00			\$ 0.00
4.5" Disc holder for Grinding Wheels/Flap Discs for Pegboards				TMS-182-3005-00			\$ 0.00
ALREADY HAS TM CAD EDU				Accessories Total			\$ 9,311.07
TRAINING OPTIONS							
Torchmate Success Package Bronze				TMS-010-0001-14		1	\$ 1,050.00
Torchmate Academy Online Learning Portal, 4x00 Machine and TMCAD				TMS-010-0001-06			\$ 0.00
TMCAD Basic Project Book Classroom Series				TMS-106-0010-10			\$ 0.00
Torchmate Student Curriculum				TMS-010-0001-08		1	\$ 56.70
Torchmate Teacher Answer Key for Student Curriculum				TMS-010-0001-09		1	\$ 56.70
Onsite Training, 2 Days				TMS-010-0003-02			\$ 0.00
In-house or Regional Training, Location:				TMS-010-0002-01			\$ 0.00
				\$ 0.00		Training Total	\$ 1,163.40
CUSTOMER NAME Las Positas Community College / Livermore, CA 94551				Subtotal		\$ 44,973.47	
EMAIL jweston@laspositascollege.edu / James W				Shipping Total		\$ 1,750.00	
SHIPPING ADDRESS:				Tax		10.25%	\$ 4,789.16
		Forklift Onsite? Yes ☐ No ☐		Grand Total		\$ 51,512.63	
		I have been made aware of my training options, I have received the terms and conditions					
PO #		Customer Signature					
Sales Associate Alonna Barnett - Inside Sales Repre							
TSR Rafael Herrera							
Distributor Linde Gas & Euipment							

This quote is valid for 30 days, and is governed by Seller's Terms and Conditions of Sale attached hereto and/or located at the website indicated below. Any reference to Buyer's request for quote incorporates only the technical information described therein. ALL TERMS AND CONDITIONS IN BUYER'S REQUEST FOR PROPOSAL/QUOTE ARE DEEMED MATERIAL ALTERATIONS AND ARE HEREBY EXPRESSLY REJECTED. Seller's Website: <https://torchmate.com/terms-and-conditions>

CHOOSE YOUR CONFIGURATION | HALF SHEET MACHINES

4400 TABLE

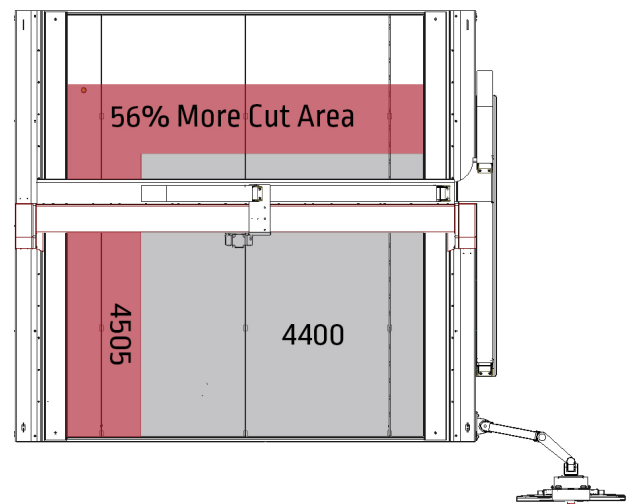
The Torchmate Half Sheet Machines are user friendly and fully assembled CNC Plasma cutting tables. Designed to begin cutting in as little as 30 minutes, these robust machines contain production grade components to deliver consistent cuts every time. This high-end cutting table has a small footprint and can easily fit into any small-to-medium sized fabrication shops. All that is required to begin cutting is compressed air, power, dedicated ground rod and water. The plasma cutter, water table, slat supports, computer, CNC controller, height control and magnetic torch breakaway are included in the base price.



56%
more material capacity
than a 4400

4505 TABLE

The newest machine in the line, the Torchmate 4505, is a machine that gives you the ability to process a 5' x 5' sheet of steel, giving you over 56% more material capacity than a 4400.



CHOOSE YOUR CONFIGURATION | FULL SHEET MACHINES

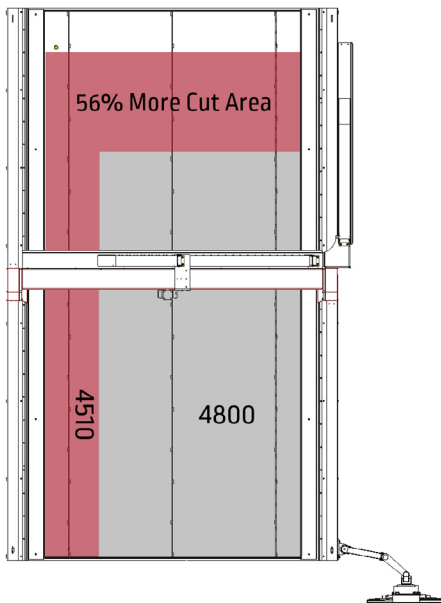


4800 TABLE

Designed for growing businesses, the Torchmate 4800 is the ideal cutting machine. Within 30 minutes of uncrating, the fully assembled Torchmate 4800 machine will be ready for any job. With a longer cutting area, additional shearing fees and costs can be avoided. Lincoln Electric engineers have performed extensive tests to help warrant the table having consistent cut quality, regardless of where the material is positioned.

4510 TABLE

Like the other 4000 Series machines, the Torchmate 4510 is fully assembled and made to begin cutting in as little as 30 minutes after being delivered. This machine has the largest cutting area of all the 4000 Series tables. With a 5'x10' cutting area, the Torchmate 4510 has 56% more material capacity than the Torchmate 4800. This machine was designed to help save you time and money while providing the same great benefits the Torchmate 4400, 4505 and 4800 offer.



56%
more material capacity
than a 4800

CHOOSE YOUR **ACCESSORIES**



4000 TC PIPE & TUBE CUTTER

The two-axis tube cutter is capable of cutting and profiling schedule 40 pipe with an outside diameter of 1.5 to 6 inches and a machine cutting envelope of 84 inches. It easily connects to the 4x00 series tables with cable connections. The 2 inch through chuck offers motorized bevel cutting up to a 45° cut angle for weld coupons.

PLATEGUARD WATER TABLE ADDITIVE

Help prevent surface corrosion on steel plate loaded on the table and help extend the life of your machine bed by adding Lincoln Electric's concentrated Plateguard solution.



TWO STAGE AIR FILTER ASSEMBLY

Extend the life of your consumables and protect your plasma cutter from harmful particulates and moisture from the compressed air source. This easy to install assembly filters particulates down to 5 microns, and dries the air with a moisture separator and desiccant drier stage.



PNEUMATIC PLATE MARKER

The Plate Marker Accessory is a pneumatic oscillating engraving tool that allows for high-precision markings and details on a wide range of metals.



ACCESSORY PACKAGES

Lincoln Electric offers multiple personal protective equipment and post process tooling kits to complete any CNC Plasma Cutting machine. The basic kit provides essential PPE for arc cutting. Our advanced kit offers the same essential PPE in addition to post process tooling and consumables for plasma arc cutting and material finishing.

CHOOSE YOUR ACCESSORIES

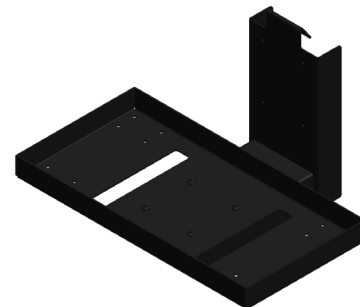
ANGLE GRINDER HOLDER

Hang your angle grinder for post processing on this convenient hook on the machine for easy access and storage.



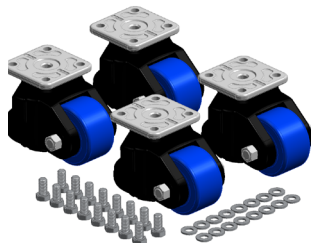
FLEXCUT PLASMA CUTTER SHELF

Hang the FlexCut power supply on the leg of your Torchmate 4000 series to keep the system together when on Caster wheels.



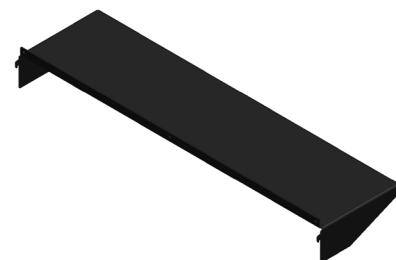
CASTER WHEELS WITH LEVELING PAD

Make your Torchmate 4000 series system mobile, wheel the system into position or into storage after use. Leveling pads offer stability while the machine is in operation.



SHELF ATTACHMENT

Need more bench space? Place a keyboard & mouse, tools, or small parts on this shelf that mounts on any of the 4 sides of the Torchmate 4000 series.



BOTTLE OR TOOL HOLDER

Mark your parts with paint for organization? Keep cleaning supplies nearby? Need a place to set your beverage? Our holder can be placed anywhere on the Universal Rail Mount of the Torchmate 4000 series and hold up to 6 individual bottles for your needs.



DISC OR GRINDING WHEEL HOLDER

A vertical “dispenser” style holder for your 4.5” angle grinder discs, load from the top and dispense from the slot on the bottom. Keep your consumables for post processing nearby and handy.



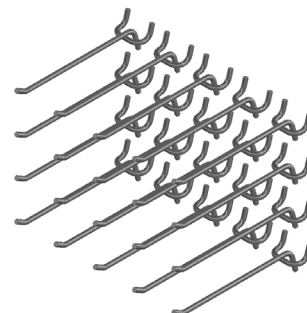
BOTTLE OPENER

Open a beverage with this mountable bottle opener. Standard pop-off bottle opener shape and style.



PEGBOARD HOOKS

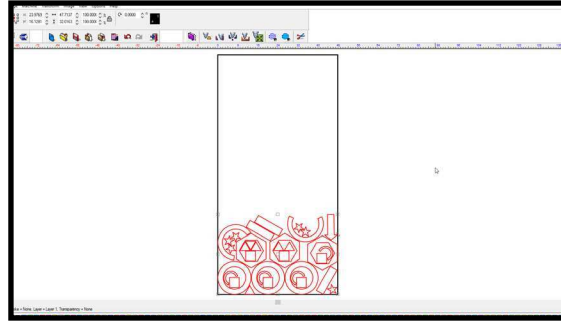
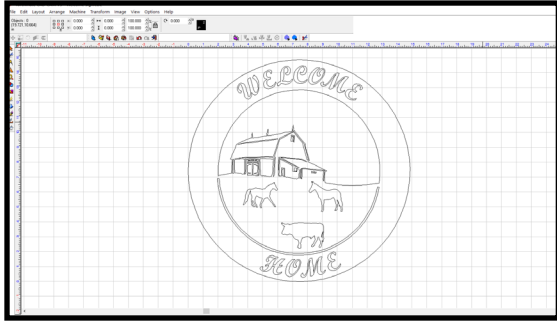
This package of Pegboard hooks allows you to hang your consumable blister packs, PPE, and anything else you need at the machine conveniently underneath the front or back of your Torchmate 4000 series system.



EASY TO USE CAD/CAM SOFTWARE

CUSTOMIZED & INTEGRATED SOLUTION

Torchmate CAD/CAM version 10 offers a complete CAD and CAM package for Lincoln Electric's line of 2d plasma cutting tables. Lincoln Electric has taken the voice of the customer and has released the new version 10 software for 2024. This is the most efficient and easy to use CAD/CAM package to date.



Hole Optimization

Optimize hole features automatically based on the ratio of the diameter of the hole, to the material thickness. Torchmate CAM will optimize the feed rate, and lead in based on this ratio to improve the cylindricity of the hole.



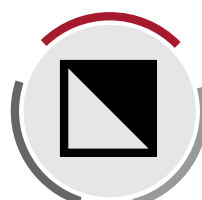
Tool-Pathing / Integrated Cut Charts

Offering users kerf width compensation, lead-ins and lead-outs and cut sequencing to create tool paths that are ready for CNC machines to follow. Contains the appropriate parameters for FlexCut® 80 & FlexCut 125 from cut speed to arc voltage.



Irregular Shape Nesting*

Users can set minimum rotational values, clearance between parts or choose a desired quantity. Dead space nesting allows smaller parts to nest inside larger scrap pieces, automatically. Multi Sheet nesting - select all of the desired parts and the software will automatically nest to a new sheet when the previous sheet is full.



Raster to Vector*

The raster to vector feature converts images to black and white and automatically traces edges or manually trace using the node editing tool. The vectorization tool allows you to convert image files into editable CAD drawings.



Professional Text Wrapping*

Easily wrap text around a curve, or along a path by utilizing the click and drag stretch tools on the text object itself, or entering exact dimension details of the radius in the toolbar. No need to manually break the text and rotate each letter to the appropriate position.

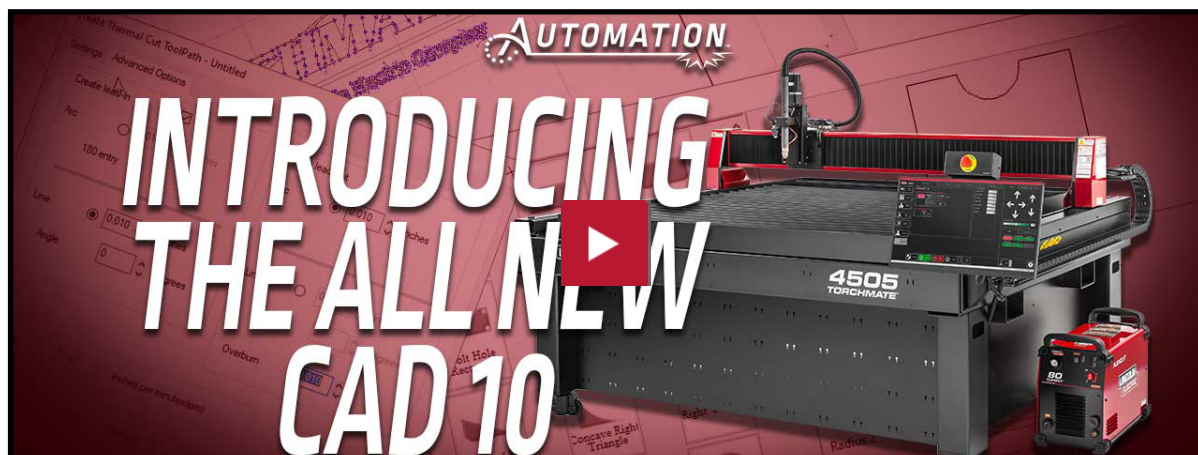
*Optional upgrade for purchase

TORCHMATE CAD 10 SOFTWARE FEATURES

CHOOSE YOUR SOFTWARE

SOFTWARE OPTIONS	TMCAD Lite	VMDnest*	TMCAD Full	TMCAD Professional (Upgrade)
CAD	●		●	●
CAM	●	●	●	●
Single Sheet Nesting		●	●	●
Multi Sheet Nesting			●	●
Plasma Cut Charts	●	●	●	●
Basic Shapes Library		●		
Advanced Shapes Library	●		●	●
Vectorization			●	●
Text Wrapping				●
Font Package				●
Bolt Hole Optimization	●		●	●

*Online only software



Watch TMCAD 10 Overview Video

TORCHMATE TRAINING OFFERINGS

BASIC TORCHMATE OPERATIONS TRAINING

During each of our training options, we introduce the CAD software, cover basic functions and tools, generate basic shapes and discuss welding and make/break path functions. During in-person trainings, you will work on nameplate and clip-art projects and importing images to use the vectorization tool. As you progress through the training, we will teach you more advanced tools like array nesting, badging, polyarc vs. polygon and generating precision parts by node editing.



Online Torchmate Academy

Torchmate Academy is an online-based learning platform that takes the user guide's information to a new level. It covers all of the key features and functions in more detail. Video walkthroughs and supporting documentation are provided throughout to assist you in getting the most out of your Torchmate investment.

<https://torchmate.com/academy>



Torchmate LIVE Virtual Training

Torchmate LIVE is an interactive training solution for individuals that cannot travel or have the time for in-house training, but need personal interaction of an on-site training. We bring the instructor to your facility via the internet. Join via ZOOM with our expert trainers to cover the machine basics and operations. Schedule your time on our website:

www.torchmate.com/seminars



Onsite Torchmate Training

Have our expert technicians come to your facility for 1-, 2-, or 3-day machine training and servicing at your facility. The provider will cover the machine operations, proper maintenance, and software training for a flat rate. For pricing and availability, email our team:

LECSfieldservice@lincolnelectric.com



Classroom Torchmate Training

Classroom training is a 3-day, hands-on project-based classroom training held at locations across the U.S. Learn and create real-world projects that cover the TMCAD software and its features. Take those projects and cut them out on the machine where the trainers will cover everything from cut quality to proper maintenance. Build the proper foundation to streamline your success.

www.torchmate.com/seminars

TRAINING SUCCESS PACKAGES

Torchmate Success Packages are the best way for you to get up and running successfully with your new Torchmate machine in as little time as possible. Select the success package that fits your needs - from Virtual Group Training in our Bronze Package, all the way to our onsite training option included in our Platinum package.

By choosing one of these packages you will be able to operate your machine with confidence and be able to rapidly integrate the machine into your day to day operation.

PLATINUM	GOLD	SILVER	BRONZE
• Torchmate Academy 4 users - 1 year access	• Torchmate Academy 3 users - 1 year access	• Torchmate Academy 2 users - 1 year access	• Torchmate Academy 1 user - 1 year access
• Torchmate Onsite 2 days of training	• Torchmate classroom 1 seat	• Torchmate LIVE 2 hour private class	• TMA completion within 30 days = \$500 account credit
• \$1,200 FlexCut consumables package	• \$1,200 FlexCut consumables package	• \$600 FlexCut consumables package	• \$600 FlexCut consumables package
• TMA completion within 30 days = \$500 account credit	• TMA completion within 30 days = \$500 account credit	• TMA completion within 30 days = \$500 account credit	

Contact your sales representative for pricing.

Redeem your TMA account credit here: <https://torchmate.com/academy-complete>



TRI FUSION LLC CUSTOMER SUCCESS STORY

Challenge

Tri Fusion LLC is a diversified fabrication and printing business. The company was founded by John Cockerill in 2013. Unlike many fabrication businesses, John made the leap to open shop with nearly no fabrication background or experience. As a retired deputy and former serviceman, John was not afraid of a challenge. He told himself he would learn anything and everything needed to build a successful business.

Solution

Tri Fusion uses the **Torchmate Table** to cut parts, signs, brackets and more. It is now an elite one-stop shop for nearly all fabrication and printing needs.



Full story & video [\[link\]](#)

Results

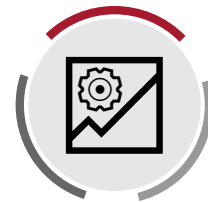
Over the years, Tri Fusion has slowly incorporated more and more machinery to their arsenal. They now have CNC machines, plasma cutters, latex printers, laser cutters and industrial laminators. With so much equipment under their roof, they are able to make just about anything one can imagine. A dream that started with only a Torchmate table, has grown into an entire fabrication empire.



Improved Efficiency



**Excellent & Repeatable
Cut Quality**



Higher Output

“We use our Torchmate all the time; we just recently cut a twenty-two foot sign for an apartment complex”

John Cockerill
Owner

“We will always choose Torchmate because of the customer support”

John Cockerill
Owner

About Tri Fusion LLC.



Tri Fusion LLC was founded in 2013 and started by offering only Plasma Cutting. Over the years they have slowly incorporated more machinery to their arsenal. They now offer laser engraving and cutting, screen printing, latex printing, CNC routing, and industrial laminating.

TP WELDING CUSTOMER SUCCESS STORY

Challenge

Thomas Precision Welding, a multifaceted metal fabrication and welding business, needed a solution that would allow them to quit outsourcing and hand cutting projects. They purchased a Torchmate Table and haven't looked back.

Solution

"One example of how the **Torchmate** solved a problem is we used to only be able to hang 10 top rails at a time and at \$60 a piece we were making \$600 per job. The Torchmate allowed us to design and cut out a custom jig which now allows us to hang 28 top rails at a time and make about \$1,700 per job." - *George Parachou*



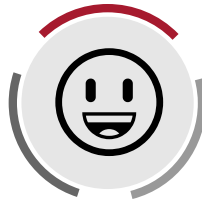
Full story & video [\[link\]](#)

Results

With the Torchmate Table, TP Welding can now control their lead times. They can deliver a product within a week or sooner which generates more work for the business as a whole.



**In-House
Manufacturing**



**Increased Customer
Satisfaction**



Higher Profits

"With the acquisition of the powder coating company and the Torchmate table, we have grown the business by 10 times within one year."

George Parachou
Co-Owner

"Torchmate is the Easiest CNC Machine to learn."

Thomas Parachou
Owner

About TP Welding



Thomas Precision Welding is a metal fabrication, powder coating and welding business. TP Welding is located in Mound House, Nevada, only 1 hour away from the Lincoln Electric Cutting Systems headquarters. It is a father and son owned business that was built from the ground up over 7 years ago.

SYSTEM SPECIFICATIONS

Product Name	Machine Size	Shipping Weight	Water Capacity	Material Weight Capacity
Torchmate 4400	74" x 67" x 63"	1,322 lbs (600 kg)	60 Gallons (230 Liters)	48" x 48" holds maximum of 652.8 lbs (40.8 lbs per square foot)
Torchmate 4505	86" x 79" x 63"	1,480 lbs (671 kg)	71 Gallons (269 Liters)	60" x 60" holds maximum of 1,020 lbs (40.8 lbs per square foot)
Torchmate 4800	74" x 114" x 63"	1,847 lbs (838 kg)	107 Gallons (405 Liters)	48" x 96" holds maximum of 1,305.6 lbs (40.8 lbs per square foot)
Torchmate 4510	86" x 138" x 63"	2,452 lbs (1,112 kg)	140 Gallons (530 Liters)	60" x 120" holds maximum of 2,040 lbs (40.8 lbs per square foot)

See OSHA guidelines for proper forklift

Power Requirements

- 110V / 10A Dedicated circuit
- 87-109 psi (6-7.5 bar) 380 SCFH 180 SLPM
- FC80 1 phase: 208,230 50/60hz or 3 phase 208,230,400,460,575 50/60hz
- FC125 3 phase: 380,400,415,460,575 50/60hz

Cut Speed

- Flexcut 80 1/4" [148 ipm], 1/2" [52 ipm], 3/4" [26 ipm]
- Flexcut 125 1/4" [210 ipm], 1/2" [88 ipm], 3/4" [52 ipm], 1" [32 ipm]

Traverse Speed

- 500 ipm

Machine Construction

- Structural Steel Welded Frame Members with Powder Coated Finish

Safety

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

Motors

- Stepper Motors (3) 396 oz-in

Drive System

- Spring loaded Rack and Pinion

Linear Guidance

- Dual 20 mm Y axis and Dual 15mm X axis

Height Control

- Magnetic Torch Breakaway
- Ohmic Sensing
- Automatic Torch Arc Voltage Height Control

Features

- Laser Pointer Attachment
- Water Table Fume Extraction
- Industrial Touchscreen HMI
- CNC controller

Included With Each Torchmate Machine



Exceptional Warranty

2 year machine and plasma torch lead warranty plus 3 year plasma power supply warranty



Technical Phone Support

Professional technical support representatives available Monday-Friday - based in Reno, NV



Consumable Starter Kit

Contains electrode, nozzles, shield caps, a swirl ring and a retaining cap for FlexCut plasma cutters

PLASMA SPECIFICATIONS

FLEXCUT® 80



80 Amp Plasma

3/4" CUT CAPACITY (MILD STEEL)

The FlexCut 80 is a constant current, plasma cutting power source that delivers faster cut speeds, optimal cut performance, and durability. The Flexcut 80 provides unparalleled plasma cutting efficiency.

FLEXCUT® 125



125 Amp Plasma

1.0" CUT CAPACITY (MILD STEEL)

The FlexCut 125 is the industry's first conventional air plasma cutter equipped with plasma marking. The powerful mechanized plasma cutter provides exceptional pierce and cut capabilities.

Product Name	Input Power Voltage/Phase/Hz	Rated Input Current/Voltage/Duty Cycle	Air Pressure Required	Production Cutting Capacity	
FlexCut 80	208/230/400/460/575 3PH 50/60Hz	60A/140V /100% 80A/140V /80%	87-109 PSI (6.0 - 7.5 Bar)	Mild Steel	3/4" [20 mm]
	230 1PH 50/60Hz	60A/140V /100% 80A/140V /80%		Stainless	5/8" [16 mm]
	200-208 1PH 50/60Hz	60A/140V /100% 80A/140V /80%		Aluminum	5/8" [16 mm]
FlexCut 125	308-400-415/460/575V 3PH 50/60Hz	125 A/125V /100%	90-120 PSI (6.2 - 8.2 Bar)	Mild Steel	1.0" [25mm]
				Stainless	3/4" [20 mm]
				Aluminum	1.0" [25 mm]

Cut speeds for best quality, production results may vary.

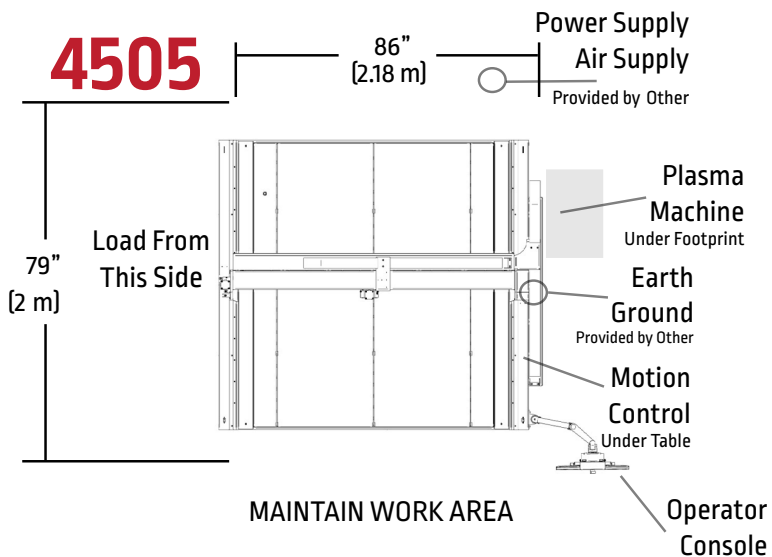
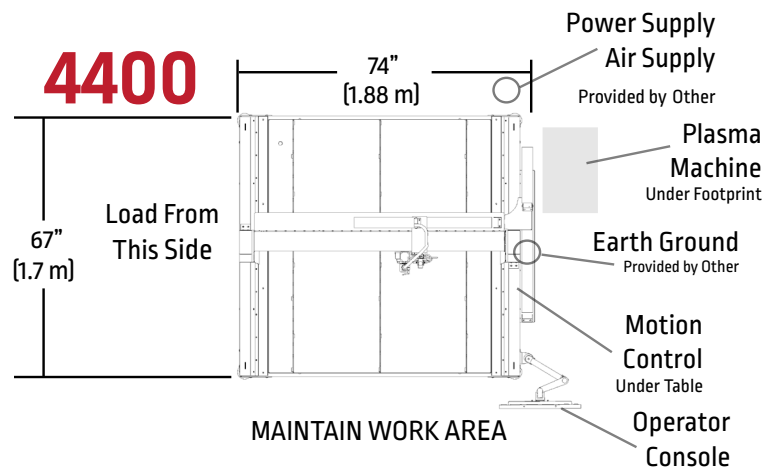
More FlexCut 80 Details [\[Link\]](#)

More FlexCut 125 Details [\[Link\]](#)

LAYOUT

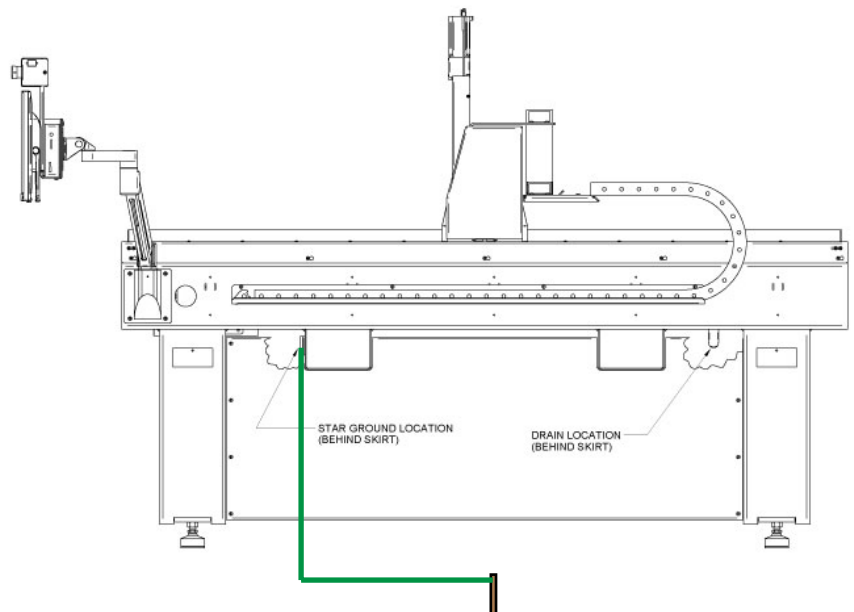
Please Note:

- When preparing to install the Lincoln Electric CNC cutting system, provide sufficient space. Three feet of work space (914 mm) should be obstacle free around the machine.
- Forklift load material opposite the cable carrier only. Utilize the back of the machine to park the gantry while loading material.
- A dedicated earth ground must be provided and should be installed in a manner to reduce trip hazard.
- The power lead included is limited to 10 feet.



Please Note: Power supply does not include a plug, it must be supplied by an electrician.

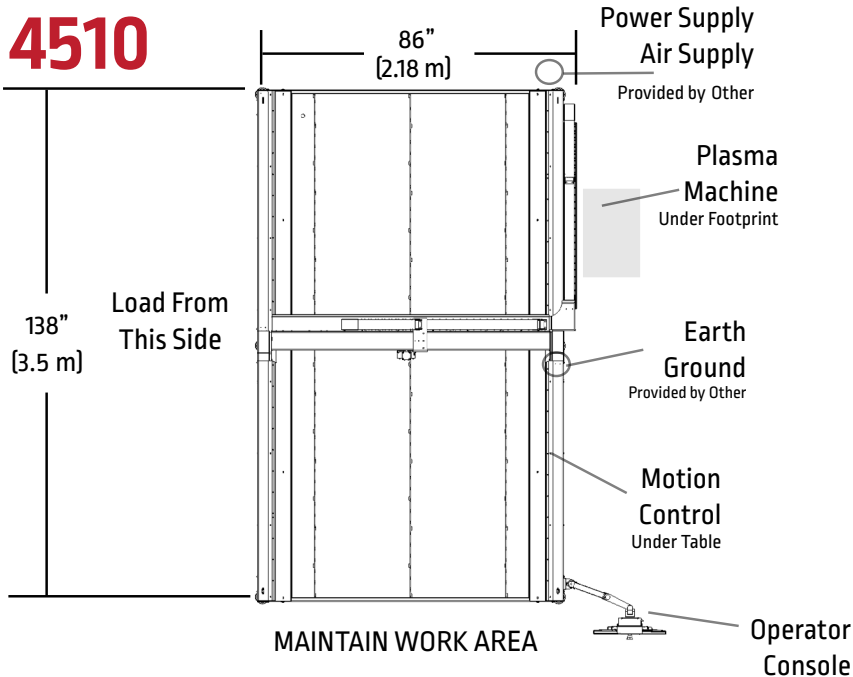
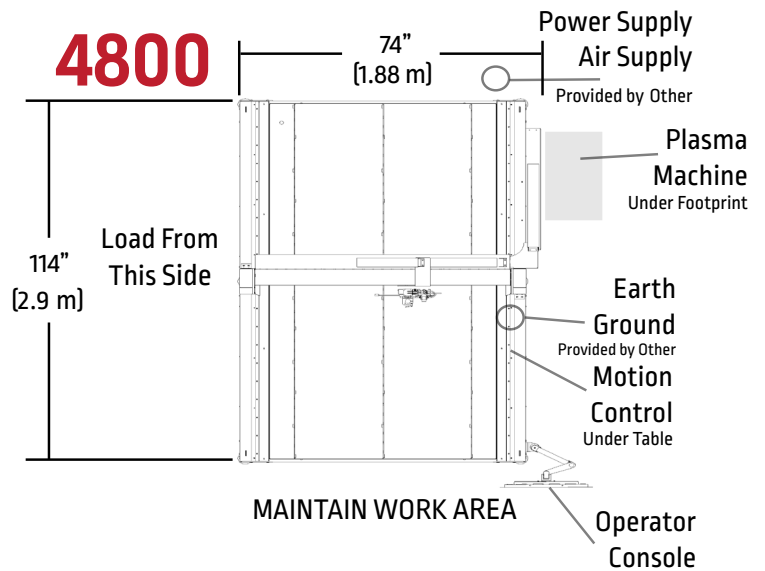
Proper grounding must be provided to help establish a safer environment for personnel and to suppress high frequency noise. The foundation of good grounding is an effective earth ground rod. A star ground point connects to the rod with a short, heavy conductor. A simple copper clad steel rod can be driven into the ground to create a



LAYOUT

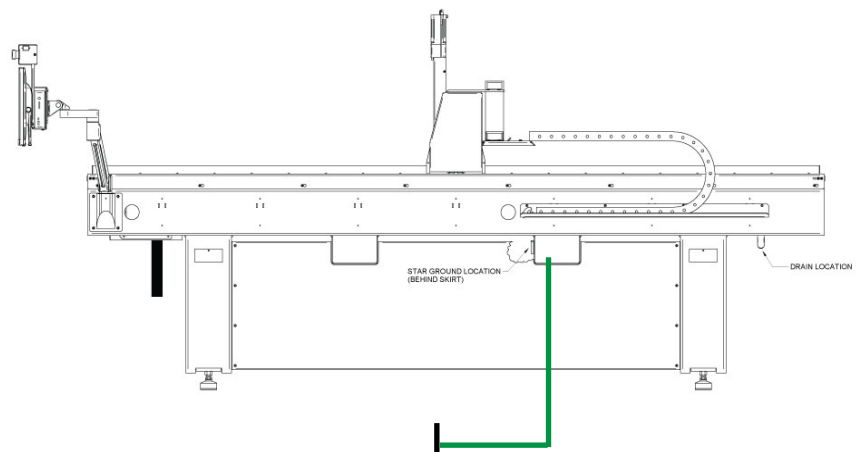
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TORCHMATE RESOURCES

Video Resources

GET STARTED, LEARN TO CUT, AND TROUBLESHOOT WITH YOUR TORCHMATE



Plate Alignment



Operations Walkthrough



Installation Time-lapse



Using the Shape Library

[View All](#)

Operator's Manuals

DOWNLOAD THE OPERATOR'S MANUALS AND SYSTEM CATALOGS

Torchmate Operator's Manuals

[Link](#)

Visit <https://torchmate.com/support/4400> for service and support.

FlexCut Operator's Manuals

[Link](#)

Frequency Asked Questions

SEE WHAT OTHER TORCHMATE USERS ARE ASKING

How do I track my order?

Contact the distributor or Lincoln Electric sales representative listed on page 1 of this quote.

How do I set up my Torchmate Table?

Follow step-by-step instructional videos on how to get your Torchmate up and running in no time [here](#). (youtube.com/@LEAutomation)

What thickness and materials can the Torchmate CNC plasma machines cut?

We offer tables and power supplies that can cut material thicknesses between 18 gauge up to 2 inches.. Click [here](#) to explore each Torchmate Table's cutting abilities.

How do I contact Torchmate support?

The support team is equipped to answer your Torchmate questions and concerns. Fill out the following form to contact the support team [here](#). (<https://torchmate.com/technical-support>)

[View All](#) (<https://torchmate.com/faqs>)

Learn more about our training options at <https://torchmate.com/seminars>



Service, parts & consumables available at www.torchmatestore.com





TERMS AND CONDITIONS

This quote is valid for 30 days, and is governed by Lincoln Electric's Terms and Condition of Sale – Automation Products and Services, found at <https://torchmate.com/terms-and-conditions>. Any reference to Customer's request for quote incorporates only the technical information described therein. All terms and conditions in Customer's request for proposal/quote are hereby expressly rejected. This proposal contains proprietary and confidential information of Lincoln Electric, and shall not be used, disclosed or reproduced, in whole or in part, for any purpose other than to evaluate this proposal, without the prior written consent of Lincoln Electric. Title in and to this document and all information contained herein remains at all times in Lincoln Electric.

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.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and 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.

 **Warning: Cancer and Reproductive Harm** - <https://www.p65warnings.ca.gov/>

Publication US70-120924HR1-01

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