



Cutting Systems

Torchmate® 4400 | 4800 Shop Requirements

Floor Space	4400: 74" x 67" 4800: 74" x 114"
Electricity	208-575 VAC Input Voltages Single or Three Phase and 50 or 60 Hertz and 125V 15A
Compressed Air	Minimum 90psi While Cutting with 5 Micron Air Filter and High Pressure Regulator
Grounding	8 Foot Copper Ground Rod (Installed Within 8 Feet of Table)

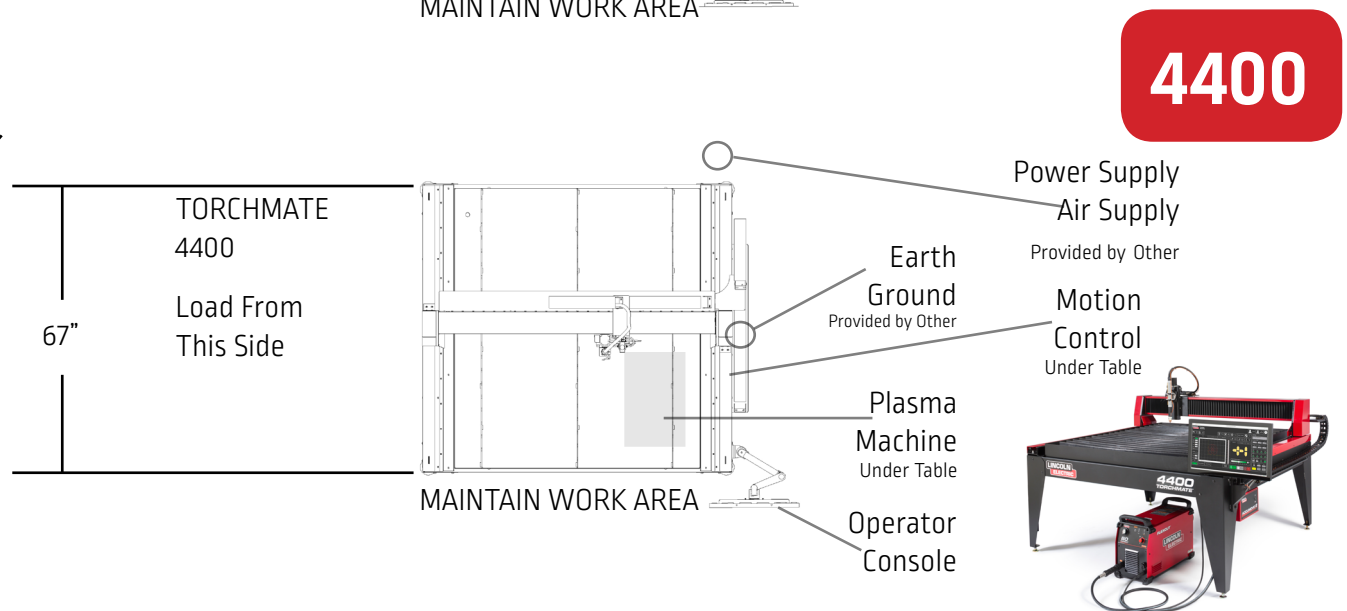
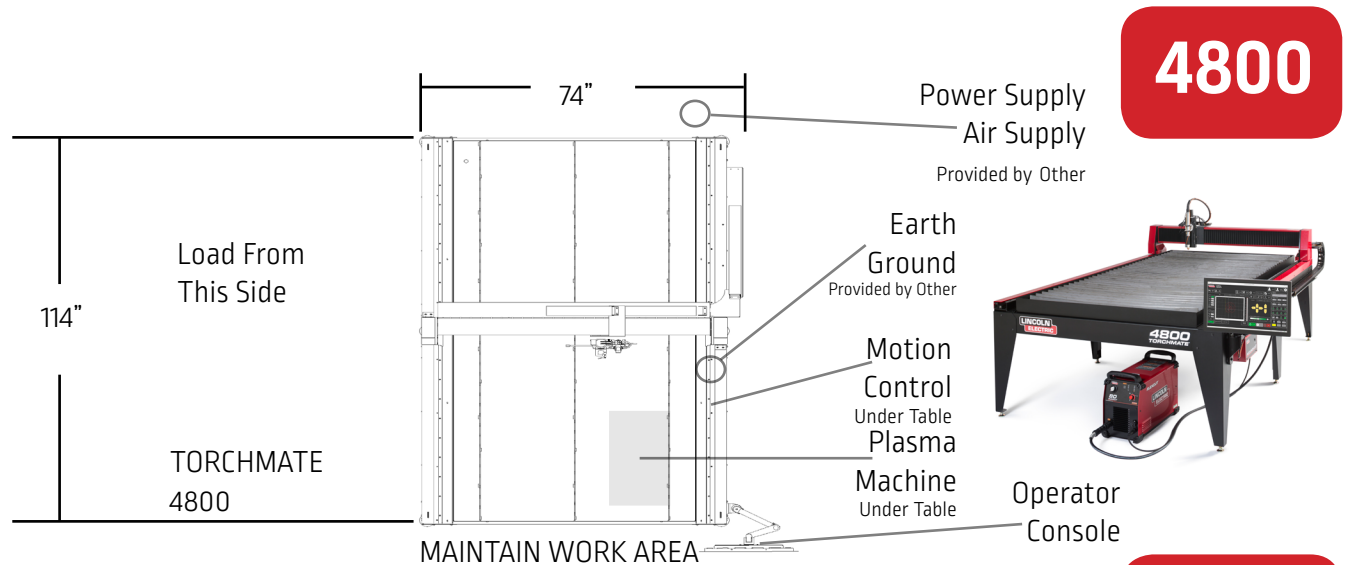


The floor must be level and able to hold up to 3,500lbs. A ground rod must be installed within 8 feet of the plasma cutting table and must be inspected by a licensed electrician. The proximity of the electrical outlets must be under 10 feet from the table for both the plasma cutter and the motion controller power supplies. A plug must be provided by the customer that configures the back of the plasma cutter with the electrical supply located at the facility. Plasma cutting fumes must be captured by the water pan (water level touching the base of the plate). The area around the plasma cutting table must also be able to accommodate mild amounts of water that are displaced from the water pan during cutting.

Material loading is encouraged from the front of the table (when plasma torch is facing you and is moved to the farthest Y-axis limit), or from the side opposite from the cable carriers. The table's orientation in your shop must consider how you are going to load the material and where the computer is going to be placed. A licensed electrician will be needed to ensure proper grounding of the machine and to assemble the plug onto the back of the plasma cutter. A forklift with adequate fork lengths is required to offload the machine and set it into position.

When installing a Lincoln Electric® CNC Cutting System in your shop, there are many factors that will influence the potential productivity, ease of use of the machine, and the safety of the operator. The main factors to prepare for include the physical layout and placement of the machine in the shop, the availability of power, an EMI ground, compressed air and other gases, and ventilation.

- When preparing to install the Lincoln Electric CNC Cutting System, provide sufficient space. Three feet of work space should be maintained at front of 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.



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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products. 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.

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