Plasma Cutter Pro

The JobMaster Plasma Cutter Pro systems include a range of plasma cutting tables for education that are engineered to deliver optimal repeatability and performance for your classroom or FabLab. With several sizes to choose from, the Plasma Cutter Pro machines fit easily into any classroom and require no assembly, arriving at your facility ready to use. These plasma mechanized systems are used to cut a wide range of conductive materials, including mild steel, carbon steel, stainless steel, aluminum, copper, brass, and other metals.

The JobMaster Plasma Cutter Pro is a complete turnkey setup. All systems come with a 4” or 8” deep water table, a PC-based Controller with Control Software, VCarve Pro CAD Software [40 seats Education License], SheetCAM TNG Software, Sign Torch Software, Plasma Station/Arc Voltage Height Control, Magnetic Breakaway, and a Floating Head Switch. Choose from 4’x4’ or 4’x8’ Plasma Cutter Pro bundles that include all of the necessary components needed to get you started cutting quickly or configure a custom system depending on your school’s needs.

Solution to Teach Students:
- Custom Fabrication
- Machinery Manufacturing
- Equipment Manufacturing
- Production Facilities
- Plate Production
- Metal Arts/Crafts
- Hobbyist Jobs

Systems Typically Include:
- Plasma Cutter table
- Controller with Maverick Software
- VCarve Pro CAD Software and 40 User License
- SheetCAM TNG Software
- Sign Torch Software
- HyperTherm PowerMax 45XP
- PC with Software installed

VCarve Pro Software

VCarve Pro provides a powerful but intuitive software solution for cutting parts on the JobMaster Plasma Cutter Pro. VCarve Pro creates the files used by the router to bring projects to life. This software works with 3D / 2D files created by your favorite CAD software and popular graphics files like JPEG and SVG for those more artistically inclined.

VCarve Pro includes the functionality demanded for complex work while remaining incredibly easy to use. The software is used by cabinet makers, wood workers, sign makers, prop makers, plastic fabricators, hobbyists and in many other applications.
JobMaster Plasma Cutter Pro Series

Trainer Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positioning Accuracy</td>
<td>+/- 0.007” (0.18mm)</td>
</tr>
<tr>
<td>Repeatability</td>
<td>+/- 0.002” (0.05mm)</td>
</tr>
<tr>
<td>Traverse Speed</td>
<td>Up to 800 ipm (338 mps)</td>
</tr>
<tr>
<td>Maximum Tools</td>
<td>1 Plasma</td>
</tr>
<tr>
<td>Maximum System Amperage</td>
<td>125 amps</td>
</tr>
<tr>
<td>Maximum Cut Capacity</td>
<td>Up to 3/4” (20mm) Material</td>
</tr>
</tbody>
</table>

Includes Plasma Torch Height Control and Magnetic Breakaway Clamp

Power Requirements

- Cutting Table: 110 V, 20A
- Plasma Cutter: 220 V, 1-PH, 50-60Hz or 480 V, 3-PH, 50-60Hz (N. America only)

Hypertherm CNC Plasma Torch Systems

These portable, professional-grade air plasma cutting systems offer increased cut capacity as well as enhanced gouging and marking capabilities. These systems are built to withstand heavy-duty use in demanding environments and are an ideal choice for cutting and gouging of any electrically conductive metal. Select the model for the system size and cut capacity required.

<table>
<thead>
<tr>
<th>Model</th>
<th>Mechanized Pierce Capacity</th>
<th>Output Current</th>
<th>Duty Cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powermax 45 XP</td>
<td>1/2” /12mm</td>
<td>20-45 A</td>
<td>80%</td>
</tr>
<tr>
<td>Powermax 65</td>
<td>5/8” /16mm</td>
<td>20-65 A</td>
<td>80%</td>
</tr>
<tr>
<td>Powermax 85</td>
<td>3/4” /20mm</td>
<td>25-85 A</td>
<td>80%</td>
</tr>
<tr>
<td>Powermax 105</td>
<td>7/8” /22mm</td>
<td>30-105 A</td>
<td>80%</td>
</tr>
<tr>
<td>Powermax 125</td>
<td>1” /25mm</td>
<td>30-125 A</td>
<td>100% @ 125 A</td>
</tr>
</tbody>
</table>

Software Included Features:

- 2D Design & Layout Tools
- Layer control, lines, snap grid
- True Shape Nesting, Test editing
- File import DWG, DXF, EPS, AI, PDF
- Image file import: BMP, JPG, TIP, GIF
- 2-D Profiling with interactive tabs/bridges
- Lead and ramp options
- Program Pierce height/cut height
- Automatic cutting sequence
- Visual G-Code display/Real-time display
- Torch on/off from screen
- THC on/off from screen
- Error message display

PC Controller

Windows-7 PC with Software pre-installed including:

- 19 inch Flat Screen Monitor
- Keyboard and Laser Mouse
- AMDA 6 – 3.9 GHz
- 8 Gigabytes DDR3 Memory
- 120 Gig solid state Hard Drive
- 4 USB 2.0 Ports, 2 USB 3.0 Ports
- Video output: VGA, DVI, and HDMI
- Windows 7 Operating System
- All fully interfaced and tested with Customer’s Machine

Plasma Cutter Pro Models

<table>
<thead>
<tr>
<th>Sizes</th>
<th>2ft X 2ft</th>
<th>4ft X 2ft</th>
<th>4ft X 4ft</th>
<th>4ft X 8ft</th>
<th>5ft X 10ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective Cutting Width</td>
<td>25”</td>
<td>25”</td>
<td>49”</td>
<td>49”</td>
<td>61”</td>
</tr>
<tr>
<td>Effective Cutting Length</td>
<td>25”</td>
<td>49”</td>
<td>49”</td>
<td>97”</td>
<td>121”</td>
</tr>
<tr>
<td>Overall Width</td>
<td>3”6”</td>
<td>3”6”</td>
<td>5”6”</td>
<td>6”6”</td>
<td>7.6”</td>
</tr>
<tr>
<td>Overall Length</td>
<td>38”</td>
<td>62”</td>
<td>62”</td>
<td>110”</td>
<td>134”</td>
</tr>
<tr>
<td>Gantry Clearance</td>
<td>4”</td>
<td>4”</td>
<td>4”</td>
<td>4” or 8”</td>
<td>4” or 8”</td>
</tr>
<tr>
<td>Water Table Depth</td>
<td>4” or 8”</td>
<td>4” or 8”</td>
<td>4” or 8”</td>
<td>4” or 8”</td>
<td>4” or 8”</td>
</tr>
</tbody>
</table>

Ordering Information

**Hypertherm CNC Plasma Torch Systems**

In addition to the Plasma Cutter Pro Machine, each Plasma Cutter Pro Bundle includes the Hypertherm Powermax 45XP power supply, a Hypertherm Air Filtration Kit, and a Plasma Air Dryer/Filtration System

**Plasma Cutter Bundles**

- Plasma Cutter Pro (4’x4’) w/4” water table PLS-2000-TBL4
- Plasma Cutter Pro (4’x4’) w/8” water table PLS-2000-TBL8
- Plasma Cutter Pro (4’x8’) w/4” water table PLS-2100-TBL4
- Plasma Cutter Pro (4’x8’) w/8” water table PLS-2100-TBL8

**Plasma Cutter Pro Machines**

- Plasma Cutter Pro (2’x2’) 00-6109-0000
- Plasma Cutter Pro (4’x2’) 00-6110-0000
- Plasma Cutter Pro (4’x4’) 00-6103-0000
- Plasma Cutter Pro (4’x8’) 00-6105-0000
- Plasma Cutter Pro (5’x10’) 00-6111-0000

**Plasma Cutter Pro Power Supplies**

- Hypertherm Powermax 45XP, Cut Capacity ¼” 10-6100-0014
- Hypertherm Powermax 65, Cut Capacity 3/8” 10-6100-0015
- Hypertherm Powermax 85, Cut Capacity ½” 10-6100-0016
- Hypertherm Powermax 105, Cut Capacity ¾” 10-6100-0017
- Hypertherm Powermax 125, Cut Capacity 1” 10-6100-0018

**Plasma Cutter Pro Consumable Kits**

- Hypertherm Powermax 45 Consumable Kit 10-6100-0036
- Hypertherm Powermax 65 Consumable Kit 10-6100-0037
- Hypertherm Powermax 85 Consumable Kit 10-6100-0038
- Hypertherm Powermax 105 Consumable Kit 10-6100-0039
- Hypertherm Powermax 125 Consumable Kit 10-6100-0040

**Plasma Cutter Pro Optional Accessories**

- Hypertherm Air Filtration Kit 10-6100-0021
- Plasma Air Dryer/Filtration System 10-6100-0022
- Scribe 10-6100-0020
- Pipe Rotary – Zero to 4” Chuck 10-6100-0023
- Pipe Rotary – Zero to 6” Chuck 10-6100-0024
- Heavy Duty Pipe Rotary – Floor Mounted (8”) 10-6100-0025
- Laser Alignment 10-6100-0026