

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.



Features

- Up to 1" Metal Cut Capacity for Machine Parts
- Durable 100% Welded Steel Construction
- 4" or 8 inch Deep waterbed with Removable Steel Grates
- Torch Height Control
- Center Drain with Shut Off Valve
- Magnetic Breakaway
- PC Controller
- CAD Software
- Control Software
- Sign Torch – 5,000 DXF Images

Solution to Teach Students:

- Custom Fabrication
- Machinery Manufacturing
- Equipment Manufacturing
- Production Facilities
- Plate Production
- Metal Arts/Crafts
- Hobbyist Jobs

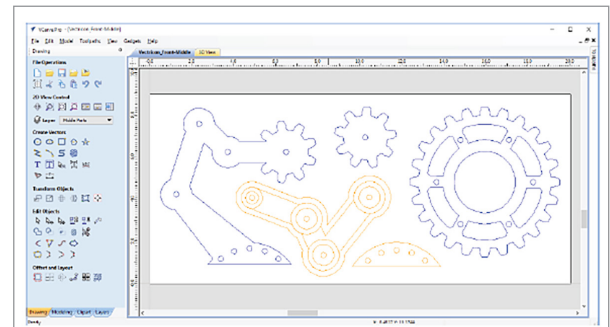
Systems Typically Include:

- 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

Positioning Accuracy	(+/-) .007" (0.18mm)
Repeatability	(+/-) .002" (0.05mm)
Traverse Speed	Up to 800 ipm (338mps)
Maximum Tools	1 Plasma
Maximum System Amperage	125 amps
Maximum Cut Capacity	Up to 3/4" (20mm) Material
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.

Model	Mechanized Pierce Capacity	Output Current	Duty Cycle
Powermax 45 XP	1/2"/12mm	20-45 A	80%
Powermax 65	5/8"/16mm	20-65 A	80%
Powermax 85	3/4"/20mm	25-85 A	80%
Powermax 105	7/8"/22mm	30-105 A	80%
Powermax 125	1"/25mm	30-125 A	100% @ 125 A

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, TIF, 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

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 Operating System
- All fully interfaced and tested with Customer's Machine

Plasma Cutter Pro Models

Sizes:	2ft X 2ft	4ft X 2ft	4ft X 4ft	4ft X 8ft	5ft X 10ft
Effective Cutting Width	25"	25"	49"	49"	61"
Effective Cutting Length	25"	49"	49"	97"	121"
Overall Width	3'6"	3'6"	5'6"	6'6"	7'6"
Overall Length	38"	62"	62"	110"	134"
Gantry Clearance	4"	4"	4"	4"	4"
Water Table Depth	4" or 8"	4" or 8"	4" or 8"	4" or 8"	4" or 8"

Ordering Information

Plasma Cutter Bundles

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 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 1/4"	10-6100-0014
Hypertherm Powermax 65, Cut Capacity 3/8"	10-6100-0015
Hypertherm Powermax 85, Cut Capacity 1/2"	10-6100-0016
Hypertherm Powermax 105, Cut Capacity 3/4"	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
Laser Alignment	10-6100-0026



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