

# 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

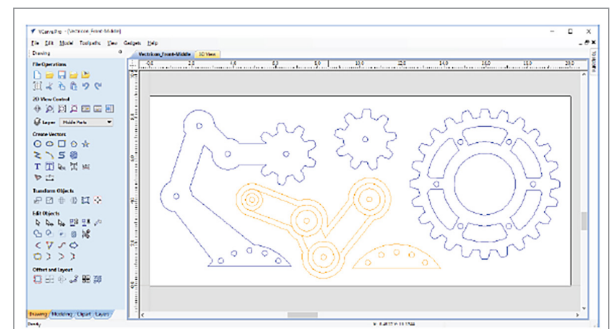
## Systems Typically Include:

- 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<br>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

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

| 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 |
| Heavy Duty Pipe Rotary – Floor Mounted (8") | 10-6100-0025 |
| Laser Alignment                             | 10-6100-0026 |

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