

MASTERPIPE® Mini Profiler

Processes

Plasma cutting, Oxyfuel cutting

Product Number

See back for complete specs

Input Power

120/1/60

Traverse Speed

200 ipm (5.08 m/min) max.

Net Weight

Dependent on system configuration

Pipe Capacity

Production Capacity 1-8 in (25.4 - 203.2 mm)

Weight Capacity

Maximum total weight 1000 lbs (453.6 kg)

Weight per foot 100 lbs (45.3 kg)

Economical CNC Pipe Cutting Solution

The MASTERPIPE Mini Profiler is a 2-axis, CNC pipe cutting machine capable of cutting and profiling pipe with an outside diameter of 1 to 8 inches and a length of up to 25 feet.

Featuring a rugged design and powered by the Torchmate® Driver Software, the MASTERPIPE Mini Profiler improves pipe fabrication productivity and quality by consolidating set-up, programming and cutting as an easy operation. The Torchmate Driver Software can import DXF files from many CAD/CAM packages

With the optional WinMPM software, the menu-driven programming system is easy to use and doesn't require highly skilled operators. Operators can select a type of cut from a library making set-up quick and trouble-free.

FEATURES

- ▶ **Economically priced** – great choice for smaller shops.
- ▶ **Modular expansion** – bed extensions available to accommodate longer lengths of pipe and tube to improve productivity by using fewer operations.
- ▶ **Easy loading** – one button can easily move the torch mount back next to the chuck so that material can be loaded, positioned for cutting, and unloaded.
- ▶ **Consistent quality and arc length** – optional Arc Voltage Height Control (AVHC) achieves cleaner cuts for plasma cutting on pipes and tubing that is “out of round”
- ▶ **Cleaner work environment** – removal of smoke and fumes using compressed air fed through the chuck.
- ▶ **Large pre-loaded cut library** – provides maximum pipe configuration flexibility with optional WinMPM Software.
- ▶ **Ve-Assist™ internet diagnostics** – maximizes machine uptime.
- ▶ **Optional small diameter tube support** – quickly adjusts to position small diameter tube securely in the cutting bed for accurate cuts.



MASTERPIPE Mini Profiler
shown with one optional 5 foot extension module

TYPES OF CUTS:

- ▶ Straight
- ▶ Miter
- ▶ Saddle
- ▶ Centerline Offset
- ▶ Multiple Intersection
- ▶ Round, Raectangular and Overlapping Pipe Holes
- ▶ Gusset Slot

IDEAL FOR:

- ▶ Fencing
- ▶ Handrails
- ▶ Tube Frame Assemblies
- ▶ Education
- ▶ Hobby
- ▶ Process Piping
- ▶ Structural



SPECIFICATIONS

Part	Description
Pipe Diameter Range	Production capacity 1 - 8 in (25.4 - 203.2 mm)
Max. Weight Per Foot	100 lbs (45.3 kg)
Max. Total Weight	1000 lbs (453.6 kg)
Bed Extension	5 ft (1524 mm) bed standard 5 - 25 ft (1524 - 7620 mm) bed extensions optional
Travel - Longitudinal	4 ft - 24 ft (1219.2 - 7315.2 mm)
Max. Cutting Speed	200 ipm (5.08 m/min) (limited by cutting process)
Bevel Angle	0 - 60° manual bevel
Pipe Rotation Drive	Precision planetary gear box and belt drive
Pipe Linear Motion	Precision rack and pinion
Input Power	120 VAC, 1-phase, 60 Hz
Temperature (operating)	40 - 100° F (1 - 38° C)
Cutting Process	Plasma or Oxyfuel (optional)

DESIGN SOFTWARE

Software	Description
Control Software	Operating System – Torchmate Driver Software CAM – Compatible with popular 3D modeling and isometric software. Reads G-Code programs.
WinMPM Design Software (optional)	Shape Library – Straight, miter, saddle, centerline offset, multiple intersection, elbow support, gusset slot, round hole, rectangular hole, saw cut, overlapping pipe holes (with axial/baseline/work point offsets). Note: calculations based on ID fit-up. Graphics – Menu-driven prompts with color icons, 2D and 3D dimensional graphics and interactive software. Internet Service – VE-Assist web-link direct for remote computer diagnostics.

COMPUTER MOTION CONTROL

Part	Description
Processor	Windows-based PC with a USB port and ethernet port (Operating System 7 or 8). Customer is responsible for supplying computer.

CUSTOMER ASSISTANCE POLICY

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