

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)
Maximum Capacity 1-12 in (25.4 - 304.8 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 12 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.



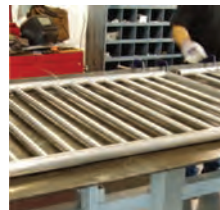
MASTERPIPE Mini Profiler
shown with one optional 5 foot extension module

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) Maximum capacity 1 - 12 in (25.4 - 304.8 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

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 information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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