

# LINCOLN ELECTRIC® MASTERPIPE® COMPACT PROFILER

Rugged, 2-axis plasma pipe cutting solution

## Capacity

- 1" - 8" diameter pipe
- 1,000 lbs total or 100 lbs per foot

## Easy Loading

- One button head movement
- Open bed design with Heavy Duty roller carriage
- 15' and 25' beds available

## Arc Voltage Height Control

- Adjusts the torch distance during cutting to profile the pipe
- Better cut quality

## Easy to Set, Easy to Use

- One product solution
- Fully assembled



MASTERPIPE® Compact Profiler  
with FLEXCUT® 80 plasma power supply



## Applications

- Round Structural Steel Fabrication
- Automotive/Transportation
- Hobbyist
- Racing Industry and Custom Vehicle Fabrication

## System Includes

- 80 amp Plasma Cutter
- Next Generation Digital Height Control
- Magnetic Torch Breakaway
- Visual Machine Designer Software
- WinMPM Pipe Profiling Software
- DXF Importer
- Touch Screen HMI
- Consumable Starter Kit

## Product Highlights

- Manual bevel up to 60°
- Touch screen HMI
- Adjustable chuck
- Compressed air outlet

## MPC - Specifications

Part	Description
Pipe Diameter Range	Production Capacity 1" - 8" in OD (25.4 - 203.2mm)
Max. Weight Per Foot	100 lbs (45.3 kg)
Max. Total Weight	1000 lbc (453.6 kg)
Bed Extension	15' ft. (4572 mm) bed standard. 25' ft (7620mm) bed optional
Max. Cutting Speed	200 ipm (5.08 m/min)
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, 60hz
Temperature (operating)	40 - 100° F (1 - 38° C)
Cutting Process	Plasma

## Design Software

Software	Description
Control Software	Operating System - Visual Machine Designer
CAM software	WinMPM Pipe Design profiling software includes Shape library - straight, miter, saddle, centerline offset, multiple intersection, elbow support, gusset slot, round hole, rectangular hole, saw cut, overlapping pipe hole. Note: calculations based on ID fit-up.

## Computer Motion Control

Part	Description
Controller	Lincoln Electric Accumove Controller - Ethernet based multiprocess controller Windows based computer with touchscreen HMI

**Longer Consumable Life • Faster Cut Speeds • Less Edge Bevel • Better Cut Quality and Performance**

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**Cutting  
Systems**