

MASTERPIPE[®] COMPACT PROFILER

Rugged, 3-axis plasma pipe cutting solution

Capacity

- 1 in. to 8 in. diameter pipe*
- 1,000 lb. total or 100 lb. per foot

Easy Loading

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

Arc Voltage Height Control

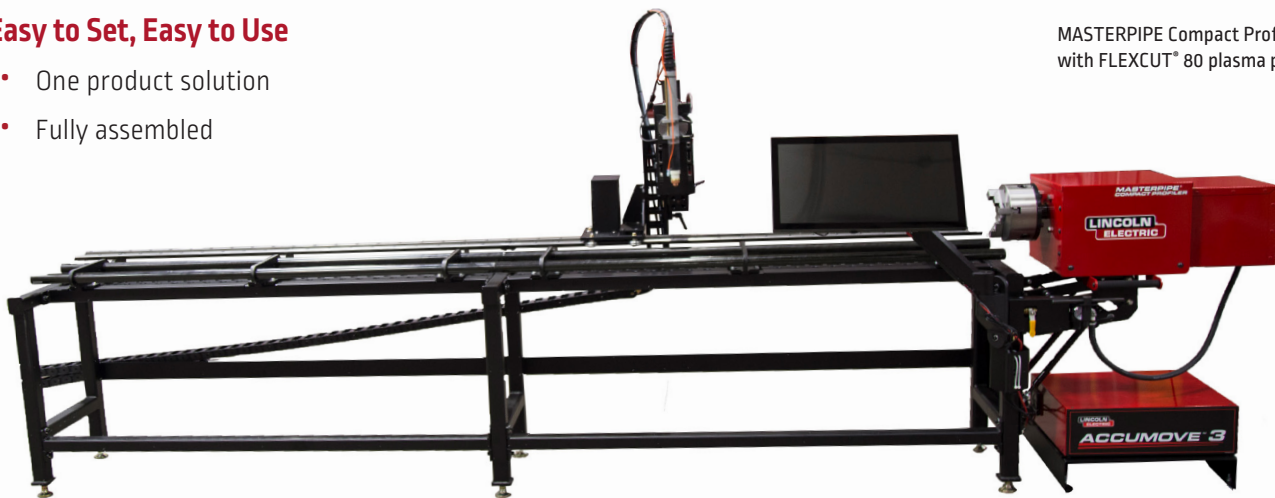
- Adjusts the torch distance during cutting to profile the pipe
- Better cut quality

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
- Racing Industry and Custom Vehicle Fabrication
- Hobbies

System Includes

- FlexCut 80 Plasma Cutter (FlexCut 125 available)
- Next Generation Digital Height Control
- Magnetic Torch Breakaway
- Visual Machine Designer Software
- WinMPM Pipe Profiling Software
- Touch Screen HMI
- Consumable Starter Kit

Product Highlights

- Manual bevel up to 45°
- Adjustable chuck
- Compressed air outlet

Specifications

Part	Description
Pipe Diameter Range	Production Capacity 1" - 8" in OD (25.4 - 203.2 mm)* *1 in to 2 in pipe requires additional support cradle accessory
Max. Weight Per Foot	100 lb (45.3 kg)
Max. Total Weight	1000 lb (453.6 kg)
Bed Extension	15' ft (4572 mm) bed standard. 25' ft (7620 mm) bed optional
Max. Cutting Speed	200 ipm (5.08 m/min)
Bevel Angle	0 - 45° 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

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**