

TORCHMATE® 4000 TC

Pipe and Tube Cutting Attachment for Torchmate 4400 and 4800

Capacity & Capabilities

- 1.5 in - 6 in schedule 40 pipe
- 210 lb total or 19 lb per foot
- Motorized bevel cutting up to 45° cut angle for weld coupons

Easy Connecting and Setup

- Connects to Torchmate 4400 or 4800 machines
- Operates with existing plasma power supply and motion controller
- Setup instructional video included

Ideal for Education

- Automatic beveling for weld coupons delivers an excellent educational experience
- Legendary Lincoln Electric® Support & Warranty



Torchmate 4000 TC shown with Torchmate 4800 and FLEXCUT® 80 plasma power supply



Applications

- Education
- Racing Industry
- Custom Fabrication
- Automotive Aftermarket
- Handrail

System Includes

- Pipe and Tube cutting machine with direct connection to Torchmate 4400/4800
- Easy connection cables
- Plasma torch
- WinMPM Pipe Profiling Software

Product Highlights

- Motorized bevel up to 45° cut angle for weld coupons
- Adjustable chuck
- Fume extraction ready
- UV exposure reducing retractable hood
- Adjustable pipe supports

Specifications

Part	Description
Pipe Diameter Range	1.5 -6 in (38 - 152 mm) schedule 40 pipe
Max. Pipe Length	132 in (3353 mm)
Cut Length	84 in (2134 mm)
Max. Weight Per Foot	19 lb (8.6 kg)
Max. Total Weight	210 lb (453.6 kg)
Max. Cutting Speed	188 ipm (4.77 m/min)
Bevel Angle	-45° - 45° cut angle
Pipe Rotation Drive	Precision belt drive
Pipe Linear Motion	Precision rack and pinion
Input Power	HMI Motion Control - Dedicated 115V / 15A
Air	87 - 109 psi (6 - 7.5 bar) 380 SCFH 180 SLPM (Uses Existing Air From FlexCut 80 or 125, No Additional Air Needed)
Single Phase	208V / 1 / 50 / 60 or 230V / 1 / 50 / 60 (Uses Existing Power From FlexCut 80, No Additional Power Needed)
Three Phase	208V / 3 / 50 / 60 or 230V / 3 / 50 / 60 or 460V / 3 / 50 / 60 or 575V / 3 / 50 / 60 (Uses Existing Power From FlexCut 80 or 125, No Additional Power Needed)
Machine Ground	Dedicated Earth Ground Supplied by Customer (Uses Ground From 4400/4800)
Cutting Process	Plasma

Design Software

Software	Description
Control Software	Operating System - Visual Machine Designer (Not Included With Machine - Uses VMD from Torchmate 4400/4800)
Design Software	VMD Shape Library 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 motion controller Windows based computer with touchscreen HMI (Above Listed Items Not Included With Machine - Uses Controller and HMI from Torchmate 4400/4800)

CUSTOMER ASSISTANCE POLICY

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**Cutting
Systems**