CE

ISO 9001

PPCM 650 | PIPE PROFILE CUTTING MACHINE

The CNC controlled Pipe Profile Cutting Machine allows wide working range from diameters 50 to 650 mm and pipe lengths up to 6.000 mm or 12.000 mm (option) using oxy-fuel or plasma.
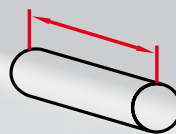
Advanced design and top quality components enable fast and efficient cutting with top quality results. The most important feature and advantage is it's user friendly software which enables quick understanding and efficient use of this machine after a short training without any need of investment in costly CAD/CAM software.
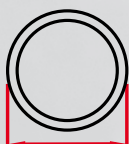
Pipe OD 50-650mm
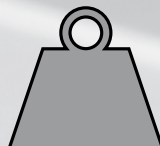
Weight 6T

Max. pipe length 6.000 mm 12.000 mm (options)

Oxy-fuel or plasma

User-friendly interface helps an operator to input data directly from technical documentation without involvement of CAD/CAM programming software.

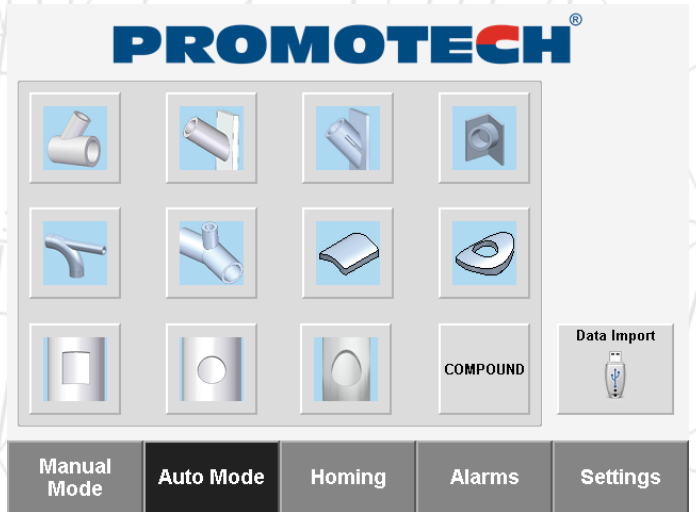| STANDARD TECHNICAL SPECIFICATION of PPCM 650	
Pipe OD diameter	50 ÷ 650 [mm]
Max. pipe length **OPTIONS:**	6.000 [mm] Extensions of tracks up to 9 000 or 12 000 [mm]
Max. through spindle diameter	Ø 133 [mm]
Cutting method: Oxy-fuel cutting (ACETYLENE) **OPTION:** Cutting method: Oxy-fuel cutting (PROPANE) **OPTION:** Cutting method: Plasma	YES. Equipment: HARRIS cutting kit YES. Equipment: HARRIS cutting kit YES, type of plasma equipment to be agreed
Admissible ambient temperature	5 - 50 [°C]
Fixed height main drive	YES
Opening and closing	Manual with self-centering 3 jaw chuck
Pipe support **OPTION:**	2 pcs., max. load 2[T]/each Additional supports on request
Vertical oval compensation mechanism	Included
Ignition	Manual
Reference laser marker	Included
Menu language **OPTION:**	English Other languages are optional
Fume exhaust system	Option
Total consumption 3~ 400 V ±10% + PE + N, 50/60 Hz ±4%	12 [kVA]
Transfer of NC data from Tekla Structures	Option

Purpose designed and custom built versions to be agreed with Promotech.

Our latest generation control system permits fast shape programming. Its Integrated library of macros allows for parametric definition of typical pipe joints.

Standard library includes typical macros.
Other macros available on request.

Transfer of NC data files from CAD/CAM Software to PPCM is available as option.

Example macros:

- Saddle connection

- Plane connection

- Joint connection

- Miter cut with plane or pipe with defined twist angle

- Miter cut

- Miter cut with fin

- Pipe - Elbow

- Hole cutting

- Hole cutting with or without beveling

Optimal cutting angles and torch paths are calculated by the PPCM control system.

Programming in 3 steps:

1

2

3
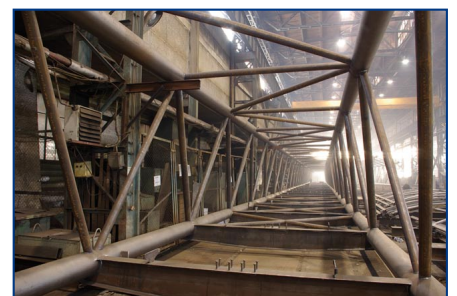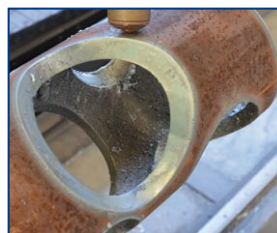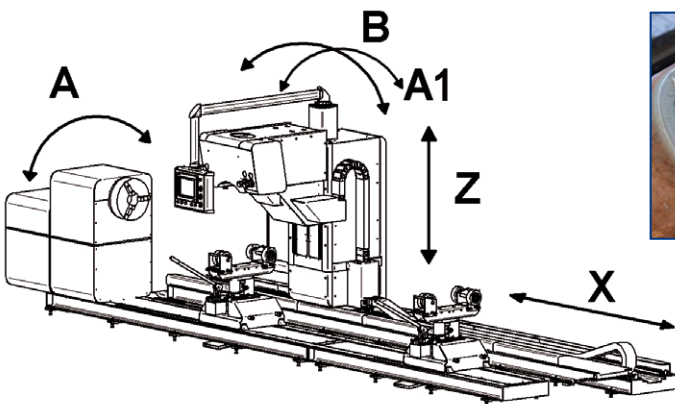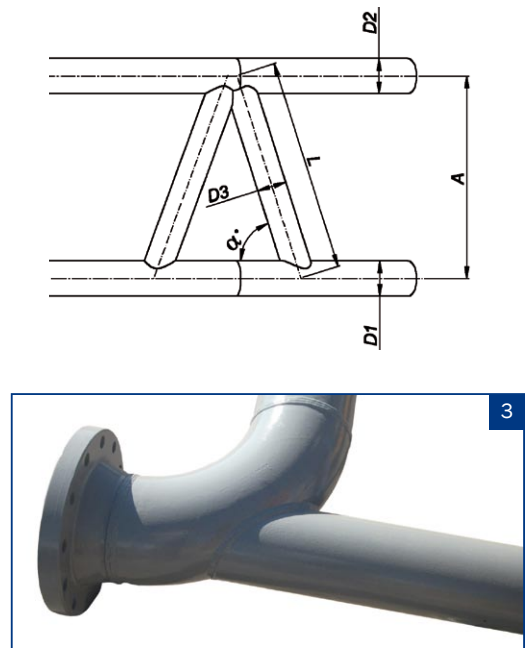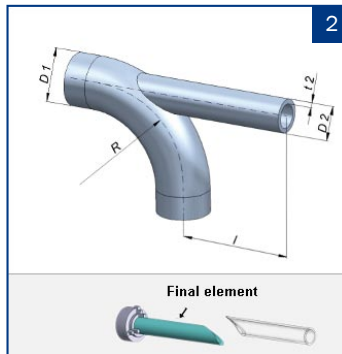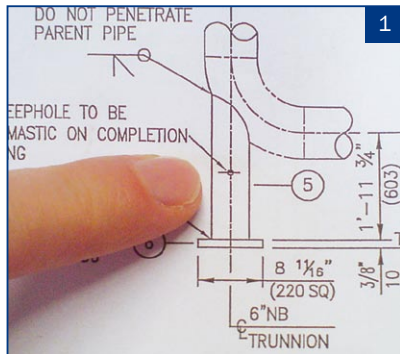
Pipe Profile Cutting Machine can be customized according to customer preferences.

American Welding Society
Supporting Company Member

Mitglied im **DVS**
DVS – Deutscher Verband für Schweißen und verwandte Verfahren e.V.

All information is subject to change without notice. 1508

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