PROMOTECH®

smart tools
for heavy tasks

FM 37982

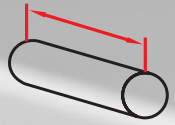
PPCM 650/1500 | PIPE PROFILE CUTTING MACHINES

The CNC controlled Pipe Profile Cutting Machines allows 3D cutting/beveling using oxy-fuel or plasma. Made in Europe with high quality components only.

Recommended optional software Lantek Flex 3D Tubes allows users to import CAD geometry, design tubes using a set of standard shapes, or construct them from 2D outlines and generate them with any type of contour project through the tube.

Pipe OD
50 to 650 mm (2-24")
100 to 1524mm (4-60")

Pipe weight
up to 10 000 kg



Max. pipe length
6 or 12 m

3D Oxy-fuel cutting

3D Plasma cutting

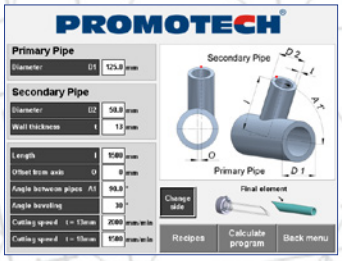
CAD/CAM file transfer thru
Lantek Flex 3D Tubes (option)

User-friendly control system permits fast shape programming.

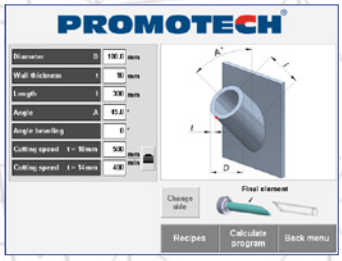
Integrated library of macros allows for parametric definition of typical pipe joints.

Example macros:

- Saddle connection

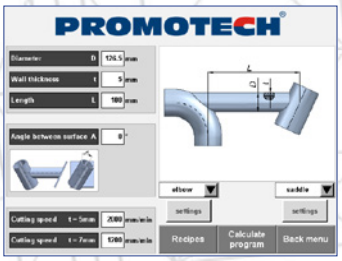


- Plane connection

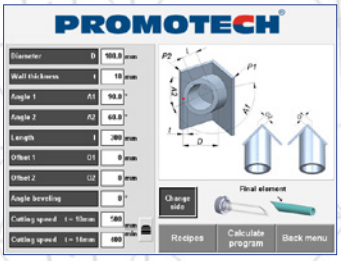


- Joint connection

- Miter cut with plane or pipe with defined twist angle



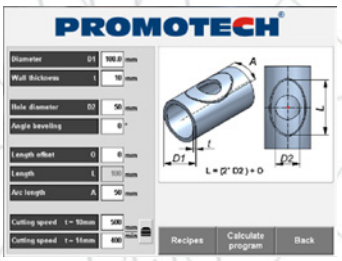
- Miter cut



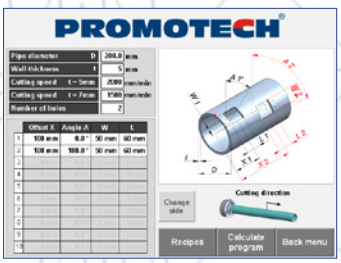
- Miter cut with fin

- Rectangular pad

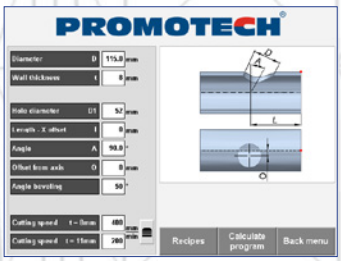
- Reinforcement pad



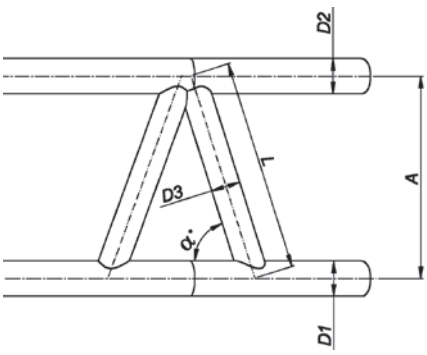
- Hole cutting



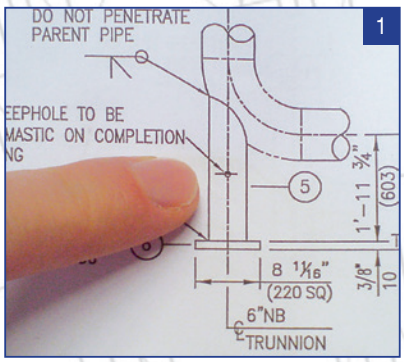
- Hole cutting with or without beveling

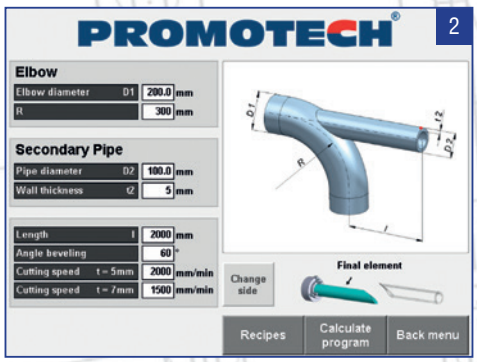


Optimal cutting angles and torch paths are calculated by the PPCM control system.



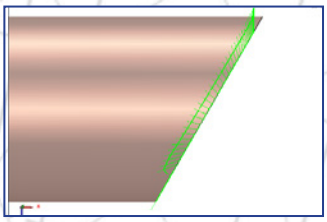
Programming in 3 steps (e.g. Pipe - Elbow):

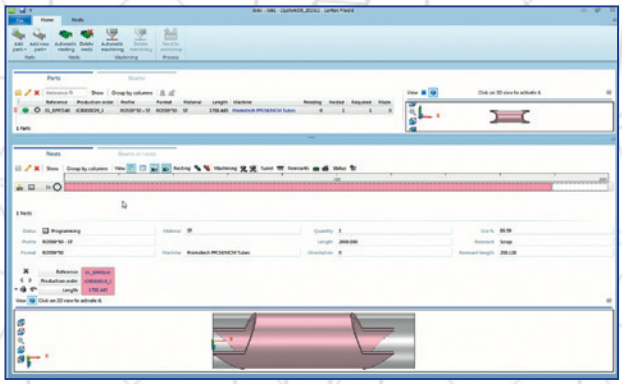


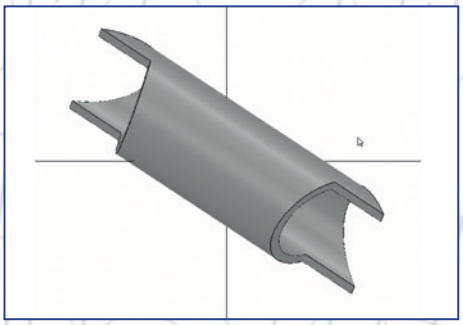


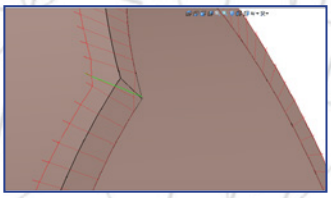
Main benefits of optional Lantek Flex3d Tubes software:

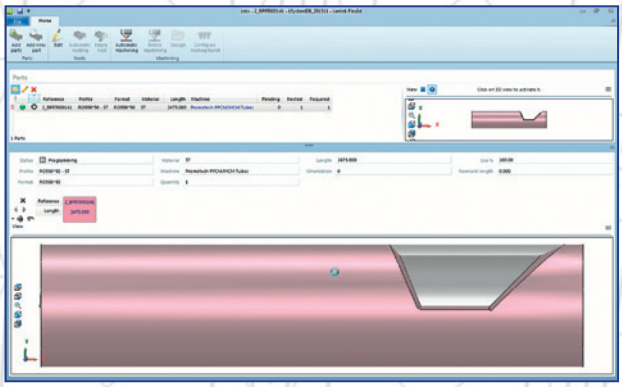
- Import of CAD geometry from external software and acceptance of various file types incl. Tekla, SAT, STEP, IFC
- Designing of tubes and joints using a set of standard shapes or construction them from 2D outlines
- Auto Nesting of multiple parts
- Visualization of joints and torch path adjustment to optimize weld preparation
- Generation and export of the data files (being customized for PPCM) necessary to cut complex pipe intersection shapes that takes into account that PPCM has 5-axis capability

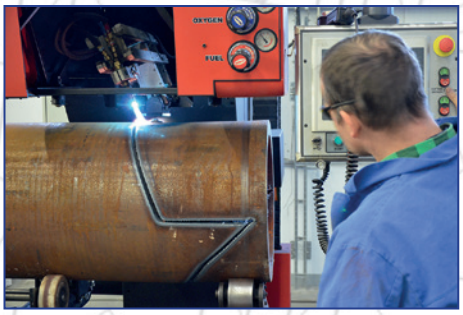


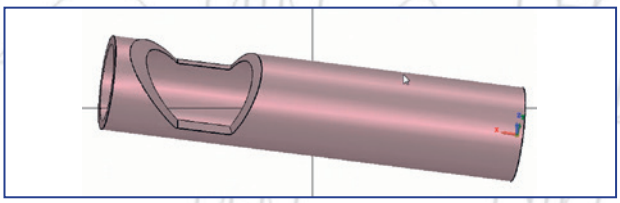


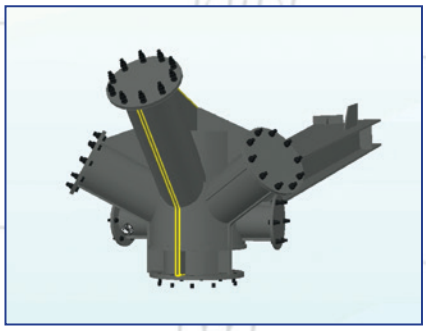




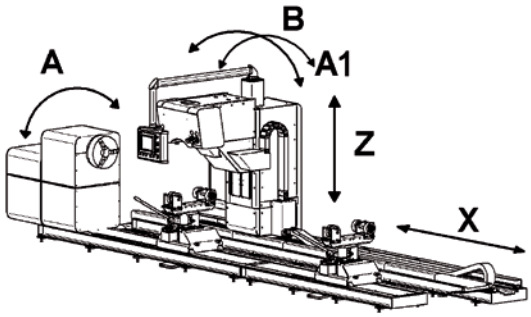








Plasma cutting



PPCM 650/1500 - Pipe Profile Cutting Machines

Fume exhaust system (option)

PPCM 650/1500 TECHNICAL SPECIFICATION	
Pipe OD diameter	50 - 650 mm (2-24”) 100 - 1524 mm (4-60”)
Max. pipe length	6 or 12 m (19 or 39 ft.)
Cutting method: Cutting method: Plasma	Standard: Oxy-fuel Available as Option
Ignition: Oxy-fuel / Plasma	Manual / Automatic
Pipe support	2 pcs for up to 6-meter long pipes 4 pcs for up to 12-meter long pipes Additional supports on request
Vertical oval compensation mechanism	Included
Admissible ambient temperature	5 - 50°C
Airconditioning of control cabinet	Yes
Menu language	English, Russian, Turkish, Ukrainian Other languages on request
Fume exhaust system	Available as Option
Auto nesting of multiple parts	Available as Option
Transfer of NC data from CAD: Tekla files, SAT,STEP,IFC etc. files thru LANTEK flex 3D	Available as Option

All information is subject to change without notice. 1810

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DVS VERBAND

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