



## TM 160 - 250 - 315 CNC Automatic butt fusion machine for construction site

Butt Fusion machine to joint PE, PP, PB pipes and fittings for pressure piping systems on building sites and in trenches.

Hydraulically operated with automatic CNC control unit.

Including transport packaging (wooden crate); reduction clamping inserts and other accessories to be ordered separately.

### • BASE MACHINE

- High precision design, distortion-free and sturdy machine frame
- Good accessibility thanks to 35° inclination
- The movable (sliding) 3rd clamp allows easy and time-saving fixation of bends or tees without need of additional tools
- Clamps are hinged on the top side and tilting. Whenever necessary, the four clamps can be quickly removed
- Double-sided heating element pull-off mechanism to optimise the change-over phase
- The distance control (potentiometer) mounted into the base machine grants control and safety throughout the complete working process
- Weight: TM 160 = 22 kg, TM 250 = 47 kg, TM 315 = 53 kg

### • HYDRAULIC UNIT

- Operator guidance from preparation to the end of the jointing process by use of symbols and graphics
- Intuitive data input by touch screen operation (welding standard, material, diameter, SDR, notes)
- Automatic calculation, regulation and control of the fusion parameters - pressure, time and temperature - according to country specific guidelines
- 10 freely programmable fusion cycles (e.g. for non standard pipe dimensions)
- Selection of language
- Operator ID (ISO 12176-3), job number and pipe codes (ISO 12176-4) could be input by means of the barcode scanner (to be ordered separately)
- On site check of the memorized fusion protocols status directly on the touchscreen
- Transfer of memorized fusion protocols to an external PC via USB memory stick (included)
- Fusion protocols compatible with Welding Book application
- Shock-absorbing plastic housing in attractive design
- Internal aluminium frame providing high rigidity and resistance
- Integrated power outlets for planer, heating element
- Accumulator for pressure equalization during the cooling phase
- Max operating pressure: 160 bar
- Weight: 33 kg

### • PLANER

- Powerful parallel planer for single or double-sided facing of pipe ends
- Ergonomic, weight-balanced handling
- Self-locking mechanism in working position
- Safety microswitch to prevent undesired start-up
- Weight: TM 160 = 7 kg; TM 250 = 14 kg; TM 315 = 17 kg

### • HEATING ELEMENT

- High performance, electronically controlled heating element
- High-quality, non-stick PTFE-coating with long service life
- Temperature indicator integrated into the handle
- Weight: TM 160 = 5.5 kg; TM 250 = 8 kg; TM 315 = 10 kg
- Input power: 230 V / TM 160 = 1200 W; TM 250 = 2000 W; TM 315 = 2500 W

### • CASE

- For safe storage of planer and heating element
- Weight: TM 160 = 4.8 kg; TM 250 = 8 kg; TM 315 = 9 kg

Type	d-d (mm)	Performance	Code	Weight (kg)
TM 160 CNC	40 - 160	230V/2000W	<b>790 150 012</b>	125.000
TM 250 CNC	75 - 250	230V/3150W	<b>790 151 012</b>	195.000
TM 315 CNC	90 - 315	230V/3750W	<b>790 152 012</b>	215.000

The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

# Data sheet

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