

PT CNC

Features

The CNC control unit is designed as an accessory for PT series butt welding machines and provides an automated version of the welding cycle.

just enter the data of the pipe to be welded (material, diameter and thickness) in the control panel and choose the reference welding standard.

The control unit automatically calculates and adjusts the parameters to be used (temperature, pressures and times in the various phases) and moves the machine's trolleys according to the calculated times.

It is equipped with a USB output for transferring weld reports.

Also with a GPS antenna for tracking the performed welding.

Operation is simple and intuitive, all working stages are guided step by step.

The final report is saved in the memory of the control unit, all reports can be transferred to a PC or pen drive via the USB output.

At the end of the cycle also the report can be printed in the integrated printer.



Features

The report contains:

- Entered data of the welded pipes
- Parameters used and outcome of welding
- Operator data, job number, date, time, outdoor temperature.
- GPS coordinates
- Time/pressure graph

Other features:

- The heating mirror temperature is managed by the control unit, the cycle will not start if the mirror is not at temperature
- The facing operation is also managed from the control console
- Automatic detection of drag pressure (which is automatically added to welding pressure)
- Automatic adjustment of the pressures of the various welding stages
- Automatic trolley movement
- Shutdown in case of power failure or in case a parameter goes out of tolerance
- Ability to print the report and graph
- Available for all models in the PT construction series, from PT 160 to PT 3000

	PT 160-355	PT 500-800
	Voltage	230V 50Hz single phase
	Power	400V 50Hz 3PH
	Weight	5.0 kW - 23A
	Dimensions	Kg 59
	Maximum pressure	cm 65x35x68h
		130 Bar
		160 Bar