

SERVICE QUALITY GUARANTEE

Our quality management system according to IS EN ISO 9001:2000 guarantees a high level of all internal affairs, from order processing up to dispatch and service of our products.



also supply...

- PE pressure pipe for wastewater and industrial use
- PE pressure pipe for potable water systems
- PVC-U pressure pipe for potable water systems
- PP/PE corrugated stormwater systems
- PP/PE corrugated drainage systems
- PE domestic gas distribution systems
- PE industrial pressure pipe (solid wall / slotted)
- PP pressure pipe (single and double contained)
- PE leachate collection systems
- PE landfill gas extraction systems
- PP PE cable ducting
- PE marine outfall pipe systems / diffusers
- Full range of fittings for above pipe systems
- PE, PP, PVDF welding equipment
- PE, PP sumps, manholes, chambers
- Chemical storage tanks (double or single contained)
- Leak detection systems
- Valves, flowmeters, mechanical fittings
- Telescopic systems - vertical or horizontal
- PE, PP, PVDF manifold systems
- Fibre optic cable protection systems
- Ducting / ventilation systems
- Gas collection wellheads
- Pressure - vibration / expansion joints
- Welding / fabrication service

*Certified calibration service - repairs - spare parts - upgrading
from Irish based service department certified by equipment manufacturer*



NATIONWIDE DELIVERY



ALL PRODUCTS/EQUIPMENT SUPPLIED WITH MANUFACTURER'S CERTIFICATION TO IS/EN STANDARDS



CNC ECO Line
Heating Element
Butt-Welding Machines

PE/PP & PVDF APPLICATIONS

HÜRNER CNC ECO Line

Heating Element Butt-Welding Machines

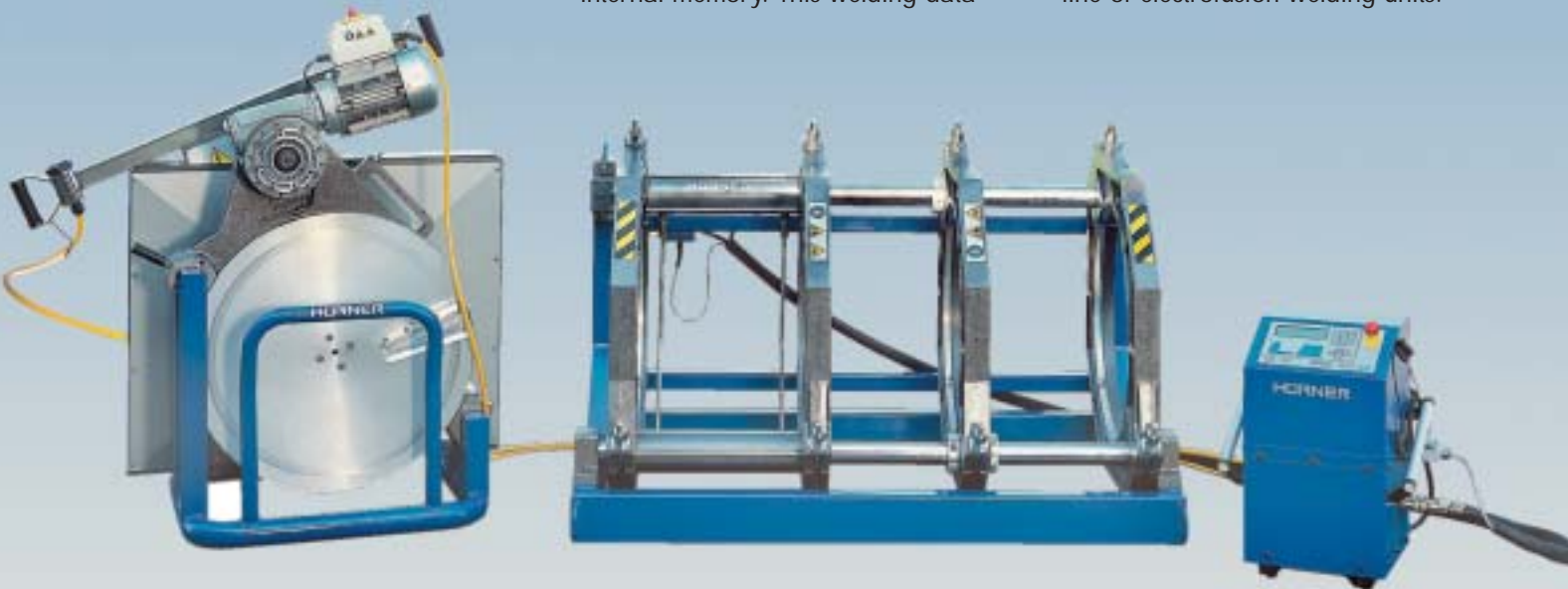
The HÜRNER CNC ECO Line Heating Element Butt-fusion Welding Machines, with five machine sizes for PE, PP and PVDF. Pipe applications from OD 40mm through to OD 630mm. Every machine is shipped complete with a push-button frame mover, the CNC controlled hydraulic unit, a pipe facing tool with safety switch, an anti-adhesion coated heating element, a carrying case, and a transport box.

With a comprehensive set of reducer inserts, no nominal pipe diameter is incompatible with our machines. Easy to use input screens and selection menus allow intuitive input of SDR pressure values, and traceability data.

The welding process proper is then performed and monitored automatically by the HÜRNER CNC ECO and the relevant data saved to internal memory. This welding data

can be processed on a standard PC with HÜRNER's welding report management and database software DataWork, or sent to a desktop printer.

Of course, DataWork is also your assistant when it comes to simultaneously archiving and managing the welding reports generated with HÜRNER's HST 300 line of electrofusion welding units.



Your major advantages with the CNC ECO Line

- **Frame mover push-button on the basic machine**

This push-button not only allows movement of the machine frame; it is also a switch that will validate various steps of the welding process, such as pipe facing or pipe alignment check.

- **Calculation of all times and pressures relevant to the welding process**

Automatic regulation of the heating element temperatures, depending on pipe characteristics

- **Dual visual welding safety control**

Pressure and welding time values are shown on the large backlit display and represented by LEDs located on the welding process diagram.

- **Self-monitoring welding system**

The integrated self-monitoring welding system keeps constant track of welding pressure, welding time, change-over delay, heating element temperature, and potential power supply failure.

- **Internal memory for up to 1,000 welding reports**

Reports can be transferred from memory to a PC, a desktop printer, or an external data storage module using the parallel, serial or USB interface.

- **Automatic measuring of ambient temperature**

- **Easy data input on alphanumeric keypad.**

- **Welding process controlled under various nationally applicable standards**

HÜRNER CNC ECO controls the welding process under the standard you need in your area: DVS, INSTA, WIS, UNI, etc. If you need a standard that is not yet in the machine, it can be installed on request.

- **Traceability capabilities conforming to the most recent traceability standards.**

Error-proof input of pipe, fitting and welder ID codes with a scanning wand.

CNC 630 ECO

P/N 200-600-630

Butt-welding machine for welding PE, PP and PVDF pipes and fittings OD 355 - 630mm, for all pressure levels

CNC-controlled hydraulic unit

- data input with intuitive menus (material, size, SDR, traceability)
- automatic calculation, control, and regulation of all welding pressures and times
- regulation of heating element temperature
- integrated welding monitoring system
- automatic report generation, capacity up to 1,000 reports
- data transfer to PC (with DataWork software) or printer via RS232, parallel, or USB interface
- traceability capabilities under the most recent standards: DVS, WIS, UNI, WIS-M, INSTA, etc.
- Languages: German, English, French, Russian, Portugese, Spanish, Finnish

- ◆ Basic machine up to OD 630mm
- ◆ Facing tool with micro safety switch
- ◆ PFTE-coated heating element
- ◆ Carrying case for heating element and facing tool
- ◆ Transport box
- ◆ Suspension rack for heating element and facing tool (optional)

Technical Specs

Power Supply: 400V, 50Hz, 3 P + N
Power: 11.5kW
Operating Range: 355 - 630mm
Reducer Inserts: OD 355, 400, 450, 500, 560, stub end holder

CNC 500 ECO

P/N 200-600-500

Butt-welding machine for welding PE, PP and PVDF pipes and fittings OD 200 - 500mm, for all pressure levels

- CNC-controlled hydraulic unit
- Same characteristics as CNC 630 ECO

- Basic machine up to OD 500mm
- Facing tool with micro safety switch
- PFTE-coated heating element
- Carrying case for heating element and facing tool

- Suspension rack for heating element and facing tool (optional)
- Transport box.



Technical Specs

Power Supply: 400V, 50Hz, 3 P + N
Power: 8.4kW
Operating Range: 200 - 500mm
Reducer Inserts: OD 200, 225, 250, 280, 315, 355, 400, 450, stub end holder

CNC 315 ECO

P/N 200-600-315

Butt-welding machine for welding PE, PP and PVDF pipes and fittings OD 90 - 315mm, for all pressure levels

- CNC-controlled hydraulic unit
- Same characteristics as CNC 630 ECO
- Basic machine up to OD 315mm with frame mover push-button

- PFTE-coated heating element
- Facing tool with micro safety switch
- Carrying case for heating element and facing tool

- Transport box.



Technical Specs

Power Supply: 230V, 50Hz, 1 P
Power: 4.54kW
Operating Range: 90 - 315mm
Reducer Inserts: OD 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, stub end holder

CNC 250 ECO

P/N 200-600-250

Butt-welding machine for welding PE, PP and PVDF pipes and fittings OD 75 - 250mm, for all pressure levels

- CNC-controlled hydraulic unit
- Same characteristics as CNC 630 ECO
- Basic machine up to OD 250mm with frame mover push-button

- PFTE-coated heating element
- Facing tool with micro safety switch
- Carrying case for heating element and facing tool

- Transport box.



Technical Specs

Power Supply: 230V, 50Hz, 1 P
Power: 3.54kW
Operating Range: 75 - 250mm
Reducer Inserts: OD 75, 90, 110, 125, 140, 160, 180, 200, 225, stub end holder

CNC 160 ECO

P/N 200-600-160

Butt-welding machine for welding PE, PP and PVDF pipes and fittings OD 40 - 160mm, for all pressure levels

- CNC-controlled hydraulic unit
- Same characteristics as CNC 630 ECO
- Basic machine up to OD 160mm with frame mover push-button

- PFTE-coated heating element
- Facing tool with micro safety switch
- Carrying case for heating element and facing tool

- Transport box.



Technical Specs

Power Supply: 230V, 50Hz, 1 P
Power: 2.25kW
Operating Range: 40 - 160mm
Reducer Inserts: OD 40, 50, 56, 63, 75, 90, 110, 125, 140, stub end holder