

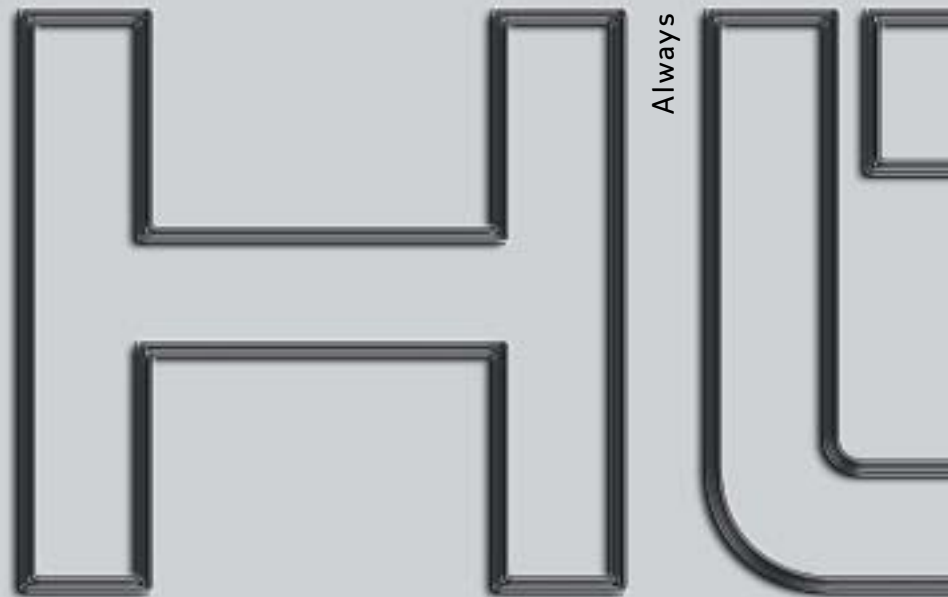
Quality

... You Wouldn't Want to Miss

Manual Line

Butt-welding machines for PE, PP,
and PVDF applications

Always Striving For Success ...



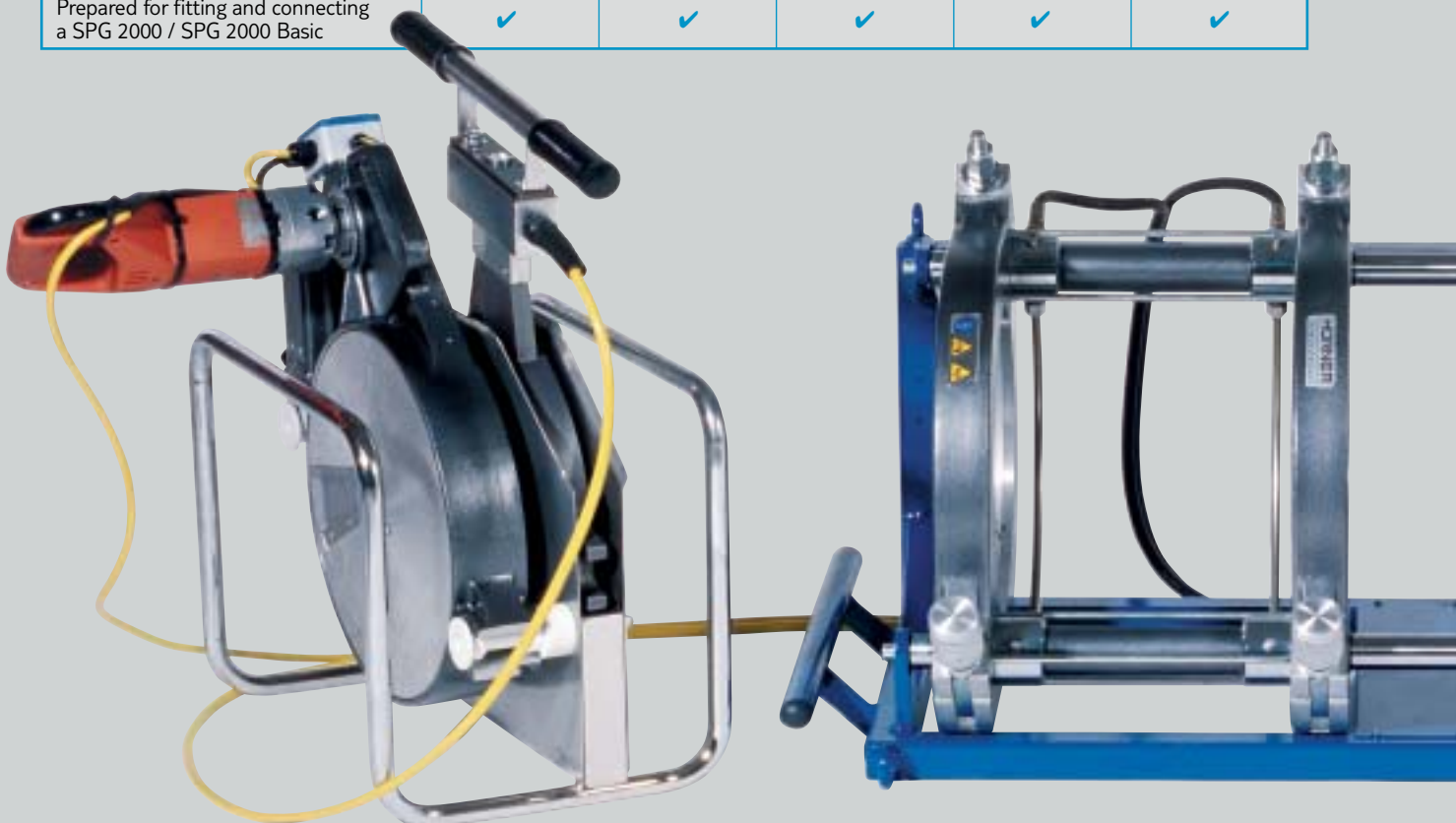
The **HÜRNER** Manual Line, that's five sizes of butt-welding machines for PE, PP, and PVDF applications that cover all pipe dimensions from OD 40 mm through OD 630 mm. They are shipped complete with basic machine frame, hydraulic and control box, and facing tool and heating element in the easy-transport carrying case.

With our comprehensive set of reducer inserts, no nominal pipe diameter is incompatible with the machines.

Furthermore, a few extra steps of installation is all it takes to turn each **HÜRNER** Manual Machine into an assembly that captures welding and traceability data for each joint.

A **HÜRNER** SPG 2000 or SPG 2000 Basic Report Generation System can be fitted smoothly on top of the hydraulic and control box. The data it captures can then be sent to a printer for hardcopy or to a PC with the welding report management software DataWork.

Technical Specs P/N	160 Manual 200-610-160	250 Manual 200-610-250	315 Manual 200-610-315	500 Manual 200-610-500	630 Manual 200-610-630
Hydraulic and control box <ul style="list-style-type: none"> • large, easily readable pressure gauge • safe-grip frame mover lever • easy-to-operate pressure valves 	✓	✓	✓	✓	✓
Basic machine compatible up to	OD 160	OD 250	OD 315	OD 500	OD 630
Facing tool with micro safety switch	✓	✓	✓	✓	✓
Anti-adhesion-coated (PTFE) heating element	✓	✓	✓	✓	✓
Optional suspension rack for facing tool and heating element				✓	✓
Carrying case for facing tool and heating element	✓	✓	✓	✓	✓
Transport box	✓	✓	✓	✓	✓
Power Supply	230 V, 50 Hz, 1 P	230 V, 50 Hz, 1 P	230 V, 50 Hz, 1 P	400 V, 50 Hz, 3 P	400 V, 50 Hz, 3 P
Power Output	2.25 kW	3.54 kW	4.54 kW	8.4 kW	11.5 kW
Operation Range	40 - 160 mm	75 - 250 mm	90 - 315 mm	200 - 500 mm	355 - 630 mm
Reducer inserts	40, 50, 56, 63, 75, 90, 110, 125, 140, stub end holder	75, 90, 110, 125, 140, 160, 180, 200, 225, stub end holder	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, stub end holder	200, 225, 250, 280, 315, 355, 400, 450, stub end holder	355, 400, 450, 500, 560, stub end holder
Prepared for fitting and connecting a SPG 2000 / SPG 2000 Basic	✓	✓	✓	✓	✓



SPG 2000 (P/N 200-500-001) / SPG 2000 Basic (P/N 200-500-002)

Reliable Butt Fusion – **HÜRNER** SPG 2000 and SPG 2000 Basic Report Generation Systems capture welding data fast and accurately and save them to welding reports, under DVS and other national standards (WIS, INSTA, etc.). The Report Generation Systems fit smoothly onto the panel on top of the hydraulic and control box of **HÜRNER** Manual Machines, but they are also universally suitable for many other hydraulically operated butt-welding machines. With SPG 2000 / SPG 2000 Basic, it is possible to capture all the data needed to evaluate the quality of a welding operation and to transfer them to a printer, a PC with the **HÜRNER** DataWork software installed, or to the internal micro-printer.

Technical Specs:

Input Frequency: 40 Hz - 80 Hz
Weight: 4 kg

Input Voltage: 100 V - 260 V
Dimensions: 240 x 200 x 125 mm
Protection Index: IP 54

Your Advantages with the SPG 2000 / SPG 2000 Basic

- Easy to use with intuitive and structured user menus
- Multilingual menus and printed reports
- Film-protected alphanumeric keypad with welding process diagram
- PC (RS232) and Printer Interface (Centronics)
- Report capacity: 1,000 welding operations
- LED-lit display 4 lines 20 characters each
- Automatic auto-test after system power-up
- Report configuration customizable
- Pressure sensor 100 bars or 250 bars, as selected
- Temperature sensor PT100 or PT1000, as selected
- LEDs to display welding progress
- Scanning wand / Scanner
- Micro-printer (SPG 2000 only)

Monitoring Functions

- Build-up pressure
- Heating element temperature
- Heat soaking pressure
- Heat soaking time
- Pressure ramp
- Joining pressure
- Cooling time
- Power supply failure
- Ambient temperature
- Report memory control

Traceability (SPG 2000 only)

- Pipe codes (max. 40 characters, ISO)
- Fitting code (26 characters, ISO)
- Weather (DVS)
- Additional data (max. 20 characters)

Data captured

- Type and ID of machine
- Cylinder
- Sensors
- Material
- Size / wall thickness / nominal pressure
- Angle (on workshop machines)
- Incremental number and weld number
- Job number (32 characters)
- Welder ID code (ISO)
- Date / Time-of-day
- Ambient temperature
- Nominal and actual values for Drag pressure, Heating element temperature (can be disabled), Bead build-up pressure / time, Heat soaking pressure / time, Change-over delay, Joining pressure ramp, Joining pressure, Cooling time





- PE Electrofusion Welding Units
- PE Butt-Welding Machines
- Tools for PE Piping Applications
- Engineering Plastics
- Pipeline Design Software
- Customized Engineering Solutions



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