



Model Sample

HÜRNER WhiteLine HWT 400 WeldControl

This member of the **HÜRNER** workshop technology series is used for the manufacture of segments, Tees, Ys, and crosspieces made of PE, PP, PVDF and ships **fitted with cast aluminium clamping jaws**.

The design of the machine is such that segments up to O.D. 400 mm and Tees, crosspieces, and Ys up to O.D. 315 mm with any SDR ratio can be processed.

The system was developed under the the machinery directive 2006/42/EC as amended and is set on a welded and bolted, totally heavy-duty support frame resistant to warping by design. Both the movable carriage of the system and the console carrying the heating element and the facing tool travel on precision-engineered, heavy load-bearing trapeze-shaped guides constructed with precision-matched runner blocks. The PTFE-coated heating element managed by a microcontroller turns conveniently and effort-

lessly around its axis for insertion and removal. The two clamping jaws can be swiveled by up to 2 x 22.5 deg. on both sides and feature horizontal adjustability, to allow for compensating any misalignments. The facing tool has a rugged chain drive mechanism and can be inserted and fastened between the component butts easy as ABC using a gas-pressurized cylinder.

HÜRNER's WeldControl software walks the operator through the entire welding process and all parameters are verified in real time against the applicable national standard. The control software also adjusts the heating element temperature automatically on the basis of the characteristics of the components being welded. To round things off, the user can select either the semi-automatic mode of operation or perform a fully manual welding operation.

WeldControl system specs

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| Automatic data logging | 10,000 welding operations |
| Data input | Manually, with (optional) scanner for manual/WeldControl welding modes |
| System self-monitoring | Hardware-base input voltage monitor incl. data recording System check Computerized maintenance management including recording |
| Welding monitoring system | Welding pressures, welding times, input voltage, memory control, motor operating temperature, heating element temperature |
| Standard-compliant ISO 12176 traceability | Commission number with 32 alphanumeric characters, ISO-compliant RFID welder ID code, additional (user-defined) data with 20 and with 15 alphanumeric characters, ISO-compliant pipe parameters, fitting code, pipe length, weather conditions, joint number, installing company, inventory number, display of maintaining company |
| Welding standards | DVS, WIS, SEDIGAS, UNI, NEN, others upon request |
| Data download with print menu | USB port (USB A) for data transfer as short abstract or extended report in the PDF format to USB stick or (optional) label tag printer, incl. tag printer menu; transfer also possible in the HÜRNER DataWork Professional format |

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| Working languages | DE, EN, FR, BG, CS, ZH, NL, FI, GR, IT, NO, RO, SK, TR, RU, others upon request | |
| Approvals, quality, ingress protection | CE, ISO 9001 : 2015, IP54 (optionally IP64), WEEE reg. no. DE 74849106, RoHS-compliant | |
| Miscellaneous | Temperature unit selection °C/°F, pressure unit selection bar/psi, intuitive menu for report viewing incl. search, ViewWeld functionality, memory backup | |
| Accessories | User's manual DE, EN, FR, ES, RU, operator ID card, tools | |
| Optional components | | |
| Label tag printer | P/N | 200-230-050 |
| Replacement blade | P/N | 315-109-026 |
| Additional cylinder | P/N | 200-260-410 |
| Scanner | P/N | 216-030-253 |
| Welding neck support | P/N | 200-604-315 |
| Clamps for Tees Reducer set | P/N | 200-260-403 |
| | P/N | 200-260-404 |
| Clamps for crosspieces Reducer set | P/N | 200-260-405 |
| | P/N | 200-260-406 |
| Clamps for Ys (60 deg.) Reducer set | P/N | 200-260-407 |
| | P/N | 200-260-408 |

HÜRNER HWT 400 WeldControl characteristics

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|------------------------------------|-------------------------------|
| P/N | 406-000-002 |
| Technical specs | |
| Voltage | 3 ph., N, PE, 400 V AC ± 10 % |
| Frequency | 50/60 Hz |
| Overall rated power | 9 kW |
| Heating el. rated power | 5 kW |
| Facing tool rated power | 1.85 kW |
| Hydr. unit rated power | 1.5 kW |
| Dimensions, weights | |
| Dimensions (W x D x H) | 1100 x 1500 x 1600 mm |
| Weight, incl. clamping jaws | 657 kg |

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| Operating specs | |
| Heating element temperature range | max. 290 °C max. 555 °F |
| Hydraulic pressure range | max. 120 bar max. 1740 psi |
| Ambient temperature (operating) | ± 0 °C thru + 60 °C 32 °F thru 140 °F |
| Ambient temperature (stored) | - 10 °C thru + 70 °C 15 °F thru 160 °F |
| Operating range | |
| Straight pipe Segments | 90 - 400 mm |
| Tees, crosspieces, Ys | 90 - 315 mm |

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HÜRNER

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You want to learn more about us?

Feel free to ask for a meeting on our premises. Detailed information on the company and on our product range is also available on-line at www.huerner.de



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