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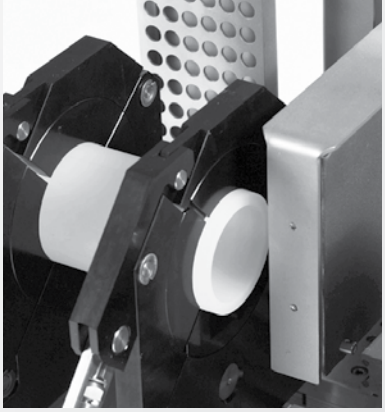

HÜRNER
SCHWEISSTECHNIK

HWT 400–C

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Perfection in Fitting Production

Plastic Welding Technology

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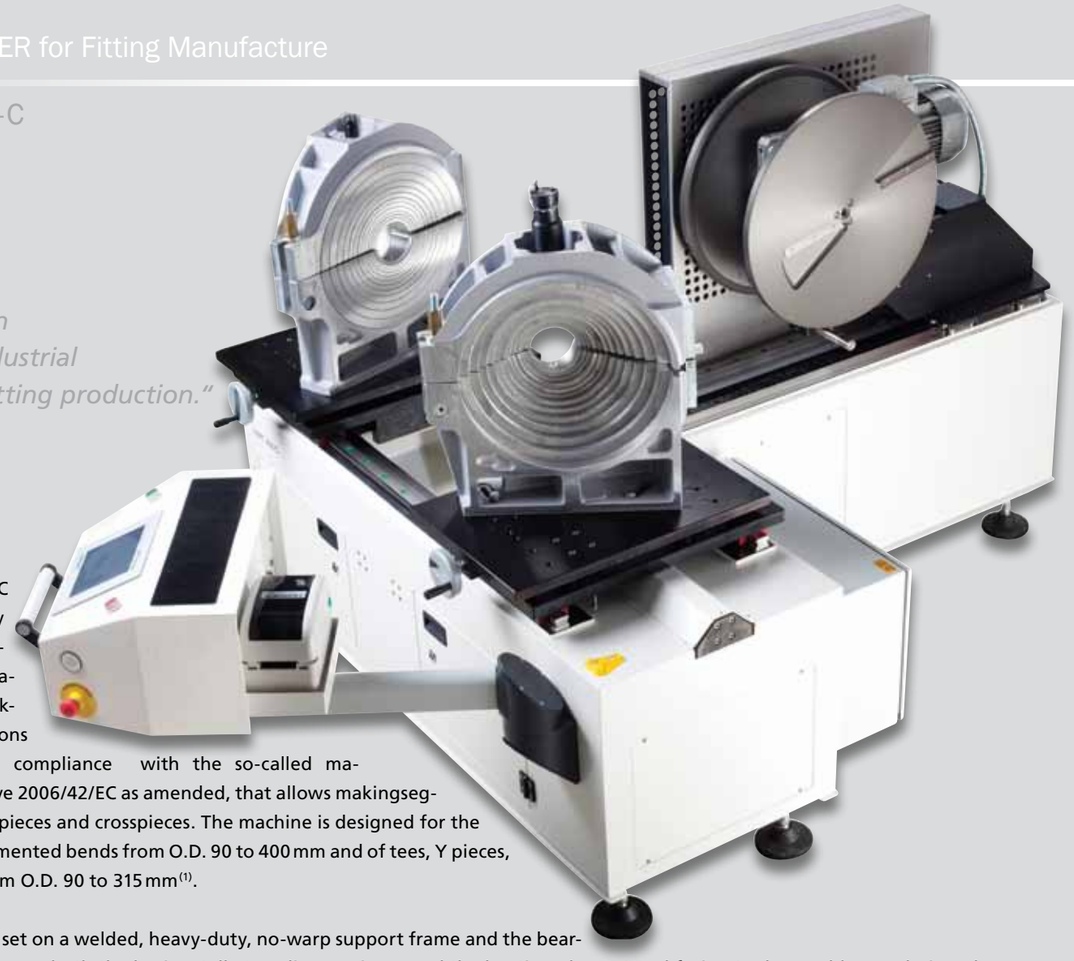
Creating the future today

HWT 400–C

"Perfection in industrial fitting production."



The HWT 400-C is a numerically controlled plastic welding machine for workshop applications developed in compliance with the so-called machinery directive 2006/42/EC as amended, that allows makingsegments, tees, Y pieces and crosspieces. The machine is designed for the jointing of segmented bends from O.D. 90 to 400 mm and of tees, Y pieces, and crosses from O.D. 90 to 315 mm[1].

The machine is set on a welded, heavy-duty, no-warp support frame and the bearings on which move both the horizontally traveling carriages and the heating element and facing tool assembly, are designed as precision-engineered and heavy load-bearing trapeze-shaped guides with precision-matched runner blocks. As well the insertion and retraction the heating element and the facing tool as the entire welding process are fully automated and, therefore, ensure utmost accuracy, ergonomic working, and tremendously short change-over delays.

Part numbers for HWT 400–C

Description		P/N	
Machine inclusive of CN control, LH and RH clamp assemblies, with reducers 90 - 355 mm		200-260-400	○
Clamp assemblies, right-hand and left-hand side	O.D. 400 mm	200-260-401	○
Reducer inserts for clamp assembly	O.D. 90 - 355 mm	200-260-402	○
Clamp assembly for tees (3 pieces)	O.D. 315 mm	200-260-403	○
Reducer inserts for tee clamp assembly	O.D. 90 - 280 mm	200-260-404	○
Clamp assembly for crosspieces 90 deg.	O.D. 315 mm	200-260-405	○
Reducer inserts for crosspiece clamp assembly	O.D. 90 - 280 mm	200-260-406	○
Clamp assembly for Y pieces 45/60 deg.	O.D. 315 mm	200-260-407	○
Reducer inserts for Y piece clamp assembly	O.D. 90 - 280 mm	200-260-408	○
Welding neck support	O.D. 90 - 315 mm	200-604-315	○
Clamp assembly for fittings	O.D. 90 - 400 mm	200-260-440	
Reducer inserts for fitting clamp assembly	O.D. 90 - 355 mm	200-260-441	
Label tag printer		200-260-431	○
Additional, supporting cylinder for clamp assemblies		200-260-410	○
Replacement blade 1 unit		315-109-026	○

[1] - 355/400 upon request

To improve the geometry of fittings and the quality of the joint, this next-generation representative of workshop technology features not only two horizontally moving and adjustable carriage consoles, but also an additional supporting cylinder (optional) for welding sizes 355 mm or larger.

The heating element temperature and the force are controlled in the course of the welding process in accordance with the applicable national standards (DVS, UNI, WIS, etc.). It goes without saying that all parameters that are critical for a high-quality and reproducible welded joint are monitored throughout the process and saved to the memory of the system, which can hold up to 10.000 reports.

When the machine ships, a high-resolution color touch screen of the latest generation is included as a standard feature. This panel enables entering and viewing both all required pipe or fitting parameters and the needed traceability data.

It is a premiere that the machine features user access control by RFID technology

Of course, the tried and tested input devices, scanning pen and handheld scanner, are also available.
Furthermore, all CNC machines are equipped with a USB interface to enable downloading the welding reports in the PDF format to a USB stick or sending them to the management database in the HÜRNER DataWork format. It is also possible to label a joint immediately for its quality by printing on plastic foil an indelible label tag with the available tag printer that will identify the fitting.

Technical specs

Machine dimensions	W 1511 x H 1384 x D 1920 mm
Machine weight	approx. 1000 kg
Mains power supply	400V, 50Hz, (3-phase PE, no N)
Machine overall power	9000 W
Heating element power	5000 W
Facing tool power	1580 W
Hydraulic unit power	1500 W / 120 bar
Ambient temp operating	0°C - 40 °C
Ambient temp storage	–5°C - 50°C
Heating element operating temperature	180 °C - 260 °C
Operating range	Segments: 90 - 400 mm Tees: 90 - 315 mm[1] Crosses: 90 - 315 mm[1] Ys: 90 - 315 mm[1]
Automatic Data logging	10.000 welded joints
Data transfer	USB interfaces (USB A) for USB stick and tag printer
Manufacturer's warranty	12 months
Standards, approvals, quality	Machinery Directive 2006/42/EC, DVS 2207-1, WEEE Reg. No. DE 74849106, ISO 9001:2008

[1] - 355/400 upon request

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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