



**HÜRNER**  
better welding



For more than 40 years, **HÜRNER** Schweisstechnik has been a key player in the development, manufacturing, and distribution of equipment and control systems for plastic pipe jointing technology. Be it small or large pipe diameters, electrofusion or butt welding, tools for pipe preparation or software for data management – **HÜRNER** stands for innovative plastic welding technology “Made in Germany”.

**1976: The Roots**

It all began as a department for measuring, controller, and process control engineering at **HÜRNER**, LLC. Even back then, the focus was on precision and quality – with the manufacture of electrical master control panels and electrofusion welders on the site of today’s headquarters in Atzenhain.

**2000 to 2002: A New Company**

The inception of **HÜRNER** Schweisstechnik, LLC as a separate entity in 2000 and the legal as well as operational independence established in 2002 by Dipl.-Ing. Michael Lenz and Dipl.-Phys. Heinz Ladstätter, who have been the managing partners to this day, were the beginning of our international success story – driven by reliable products and customized solutions. Having the compelling vision of becoming a leading provider of plastic jointing equipment, we expanded our portfolio to include butt-welding and fluid mechanical systems.

**2005 to 2023: Expansion and New Facilities**

To mark the 10<sup>th</sup> anniversary of our re-inception as a fully independent company, a new manufacturing and storage facility constituted another expansion of the site in Mücke’s borough of Atzenhain

– a milestone in efficiency and capacity. Two further expansions and new buildings would follow in 2015 and 2023. At the same time, we continuously broadened our product portfolio and tapped into new market segments. A key milestone was the introduction of the world’s first data logging system for manual butt-welding jobs – the result of our newly established R&D department.

**2014, 2021, and 2025: TOP 100 Innovator**

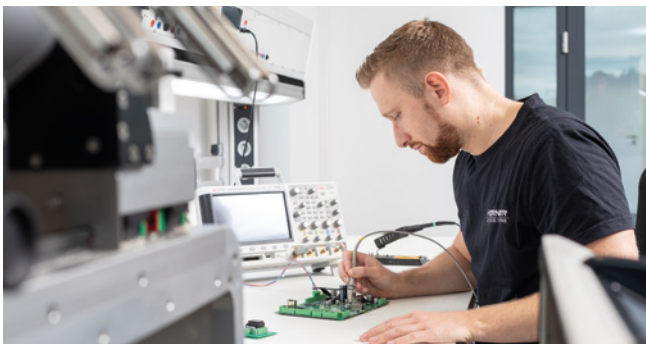
For our innovative strength, we were awarded the TOP 100 label several times – in 2014, 2021, and 2025. This distinction honors particularly innovative medium-sized enterprises. From infrared welding machines for industrial applications to robotic systems for 24/7 production and pioneering innovations for pipeline construction – we are setting new standards in plastic pipe jointing technology. In short, high-tech made by **HÜRNER**.

**To This Day: Innovative and International**

Boasting more than 100 employees at our headquarters in Mücke and our site in Italy, representatives in New Zealand and Dubai, and partners in over 70 countries, we make sure that we are present wherever our customers need us. Around the world, our technologies ensure the supply of drinking water, gas, and geothermal energy and the disposal of wastewater. We also provide solutions for cleanroom and ultra-cleanroom environments as well as for industrial applications..

**HÜRNER Schweisstechnik – better welding**

With a passion for quality, innovation, and sustainability, we are shaping the future of plastic welding technology. We are happy to develop, together with you, also customized solutions.





Butt Welding

**HÜRNER** butt-welding systems for jointing PE, PP, and PVDF pipes are available in nominal sizes from 160 through to 1600 mm.

The basic machine chassis are designed as a specially tailored frame resistant to warping to the point where it gets the better of pipes even with extreme characteristics. You can be sure that the clamping chassis will not warp or bend even when processing long lengths of pipeline with thick walls.

Butt-welding systems are available in the range of 160, 200, 250, 315, 355, 500, 630, 800, 1000, 1200, 1400, and 1600 mm.



WhiteLine CNC ECO 2.0 160



WhiteLine CNC ECO 2.0 315

Pictured with optional  
"jumping" hot plate



WhiteLine CNC ECO 2.0 630

Pictured with  
optional crane



WhiteLine CNC ECO 2.0 1200

Pictured with  
optional crane



WhiteLine WeldControl 2.0 1600

Some figures show components only available as optional extras.

**HÜRNER** butt-welding equipment offers the appropriate hydraulic system for any type of application in the range from O.D. 40 through to 1600 mm:

- fully automatic – White Line CNC ECO 2.0
- semiautomatic – White Line Weld Control 2.0
- manual – White Line Manual



WhiteLine CNC ECO 2.0



WhiteLine WeldControl 2.0



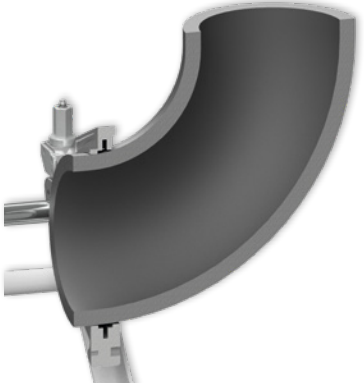
WhiteLine Manual

Optionally, the basic machine chassis of the nominal sizes 250, 315, 355, 500, and 630 mm is available in an **industry version**, with

a specifically designed 3<sup>rd</sup> clamp for reliable clamping of fittings with a short connection stub.



Industry version



**HÜRNER's** 4–3–2 machine chassis of the **LI Line** is of even lighter weight, extremely versatile, and tremendously stable. From O.D. 63 through to 355 mm, it enables innovative butt-welding. To increase its mobility and versatility even further, the LI design allows removing not only the 4<sup>th</sup> clamp, but also the support frame and one

more clamp, to achieve less and less heavy weight in cases of working in tight corners. As a result, it is possible to use a fully functional system with compact dimensions configured with 4, 3, or 2<sup>nd</sup> clamps and, thus, fully versatile to adapt to your work requirement.



41 kg



34 kg



23 kg



19 kg

LI Line

Weights given for chassis size 250 mm

<sup>\*)</sup> 2 clamps not available with CNC ECO 2.0!

Tools, Bead Management, and Software

Reliable jointing requires welding technology you can count on, but also excellent pipe preparation as well as the right accessories and tools. Our product portfolio includes a broad range of high-quality tools and auxiliaries for professional mechanical pipe processing: from pipe cutters and pipe scrapers to pipe aligners, taking in handheld

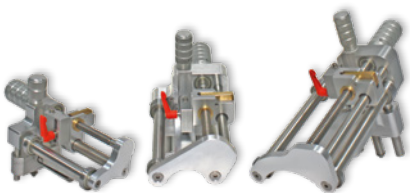
heating elements and welding terminal adapters along the way. As an encore, our tools for managing the welding bead mean reliable removal of the bead forming at the joint. By choosing **HÜRNER**, you can count on quality from the preparation of the welding operation through to its perfect result. Don't even look for a higher level of quality!



Internal bead remover 300 with optional camera



Cutting the welding bead using HÜRNER's Internal bead remover 300



Pipe scrapers



All-purpose aligners



Pipe cutters/Plastic pipe shears



Handheld heating elements



Socket welders



DataWork Professional

Electrofusion

**HÜRNER's** HST 300 Series of electrofusion welders has made a name for itself as a product line in which light weight and compact dimensions meet top-notch performance and capacity. For any type of application, **HÜRNER** Schweißtechnik offers the appropriate electrofusion welder: with or without welding process logging, for special applications, and for sanitary installations. The welders are available optionally with a QR code/2D scanner.

Electrofusion fittings sized even larger than 4000 mm do not mean any problem for this series of welders. Be it welding for drinking water or gas supply, including GPS coordinate recording, be it joints in geothermal applications or sanitary installations, be it extremely large pipe sizes, such as for waste water discharge, **HÜRNER** will bring you the right welder for any application.

With process logging



HST 300 Pricon 2.0



HST 300 Pricon XL



HST 300 Print + GPS 2.0



HCU 300 mini

Without process logging



HST 300 Junior + 2.0



HST 300 Manual 2.0



HST-S-160 2.0



HST-S-315 2.0

Sanitary installation



Workshop Systems

**HÜRNER** HWT, that is various series made for workshop use that constitute the transformation end-to-end of the systems for construction site use, designed for industrial manufacture of segmented bends, Tees, crosspieces and Y branch-offs in the operating range from O.D. 20 through to 500/630 mm.

All workshop systems of the CS Series can be used, as a manually operated or a CN-controlled system, for PE, PP, PVC jointing, as well as other materials upon request. This results in the great versatility that is required for workshop applications—that very versatility that **HÜRNER** sets great store by.



*HWT 160 CS*



*HWT 400 CS*



*HWT 400 WeldControl*



*HWT 500/630 CS*

The CS Series systems are equipped with a high-resolution touch screen of the latest generation, which walks the welder through the welding process swiftly and reliably.

For optimum logging and data processing, the CS and the WeldControl systems are fitted with a USB interface port that allows the download of the welding data to a USB stick. Additionally, CS workshop systems can send all welding data directly to **HÜRNER**'s database management software DataWork Professional, real-time via a facility WLAN.

It goes without saying that a label tag printer is available for labeling fittings with highly robust adhesive tags.

The advanced **HÜRNER** HWT 500/630 CS system makes a statement not only by the yet larger operating range, but also by servo drive units set on both sides, which is the constructive cause for a fast change-over and highest levels of precision, essential in particular for processing PVC.



*HWT 400 Manual*



*HWT 400 CS-S*

The HWT 400 workshop series includes high-performance systems that take up any challenge, from the fully automatic CNC variant (HWT 400 CS) to the semiautomatic Weld Control model version (HWT 400 WeldControl) and on to the manually operated version

(HWT 400-M). To round it off, the series also features an innovative system for on-saddle sidewall welding (HWT 400 CS-S) that completes the advantages of the CNC model version by the capability of setting branch-off fittings onto the sidewall of a pipeline.

Workshop Systems

HÜRNER's practical and mobile workshop welders HWT 160 M(+), O.D. 20 through to 160 mm / SDR 11<sup>\*)</sup>, and HWT 250 MI, O.D. 50 through to 250 mm / SDR 11, can be used both in the workshop and on the construction site, which makes them suitable for many

an area of application in the fields of pressurized pipelines and sanitary installations. No actual need to mention that, of course, the clamping assemblies of both machines can be set at various angles up to 15 degrees.



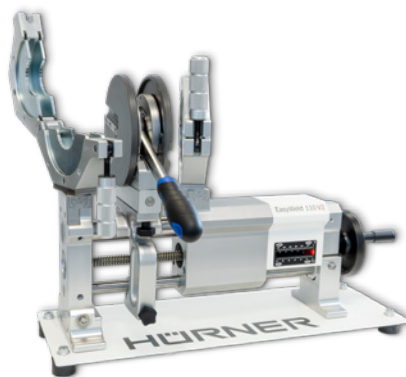
HWT 160 M(+)



HWT 250 MI

HÜRNER's mobile EasyWeld Series for professional butt-welding of pipes and fittings makes a statement by its lightweight and compact design that enables easy and versatile use both on the construction site and in the workshop. The fact that it is easy to handle enables work even overhead with no problems at all. To make fitting manufacture possible, the clamping assemblies swivel and can be set up at a 15 degree angle on both sides.

The EasyWeld 110 T model version is designed specifically for Tees and 90 deg. segmented bends and, for this reason, features an extended body. Its clamping assemblies can be repositioned on both sides to a 45 deg. angle, the ideal set-up for complex welding cases. For a larger operating range, the new EasyWeld 180 is available from O.D. 50 through to 180 mm.



EasyWeld 110 V2



EasyWeld 110 T



EasyWeld 180

<sup>\*)</sup> up to O.D. 110 mm

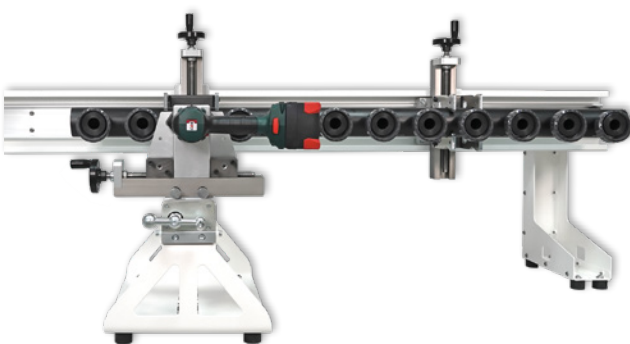
Socket Welding

HÜRNER has unique socket welders on offer that are designed for sidewall welding to produce branch-offs set into a pipe's saddle (HWT 160 SW-E) or onto the saddle (HWT 160 SW-S).

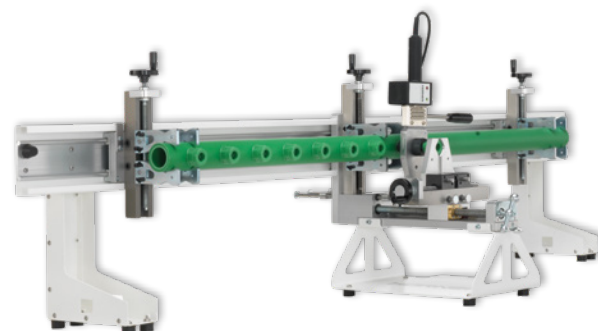
These professional welders designed for all-purpose processing of PP, PP-R, and PE HD parts in the production of manifold lay-outs are suitable for branch-offs and other fittings from O.D. 20 through to 63 mm<sup>\*)</sup> and straight pipelines from O.D. 40 through to 160 mm.

A particular mention deserve the right-hand and left-hand pipe supports featuring a measurement scale that enable precision positioning of the point of branch-off in order to allow the serial production of manifold pipes by a controlled process, for instance in geothermal and hydrogen management applications. Add to this the two positioning stoppers, and you get as well consistent plasticization depth and position as shorter distances of movement for faster change-over.

Of course, customized clamps tailored to a particular client's requirements are available upon request.



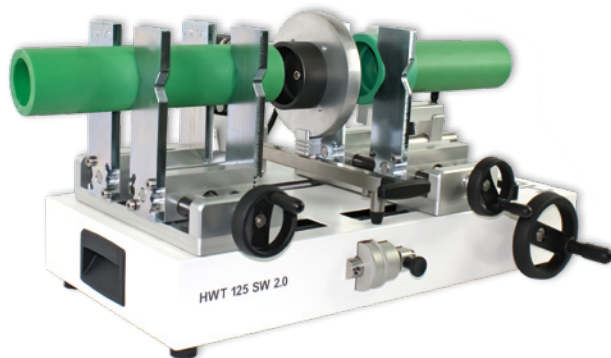
HWT 160 SW-E



HWT 160 SW-S

The HWT 125 SW 2.0 is your perfect choice for heating element welding using sockets and spigots, in the workshop and on the construction site, from O.D. 20 through to 125 mm.

For professional overhead welding, too, HÜRNER offers a socket welder, the compact dimensions of the HWT 125 SW light. Of particular note is the seat for the heating element in the machine chassis. The comfortable insertion and the safe and swift taking out the heating element during change-over give you top-notch ease of handling, which is a unique feature in this category of welders.



HWT 125 SW 2.0



HWT 125 SW light

<sup>\*)</sup> other sizes upon request



Automation

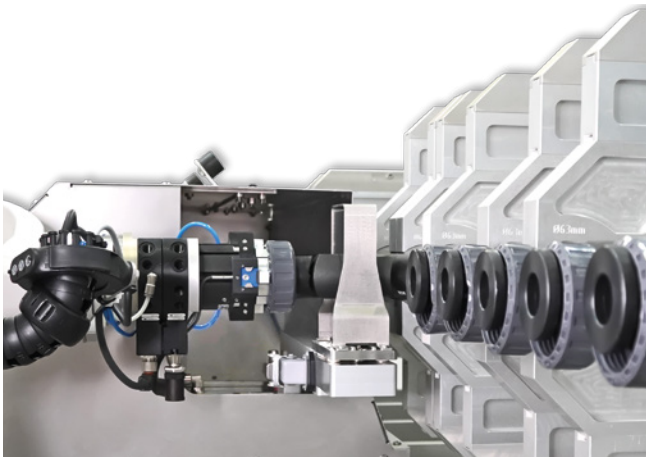
**HÜRNER** is your competent automation partner in the field of thermoplastic jointing. For you, our production systems mean highly efficient manufacture, consistently high quality of the products, and end-to-end traceability and process logging. Our comprehensive portfolio includes systems that produce tens of thousands of

units per year in a fast-timed process, but also for the manufacture according to heavily customized settings of individual parts or small series, for on-demand production per a client's requirements. Putting Industry 4.0 into practice, our systems turn themselves into the basis of your networked, demand-driven, lean production.

Automated manifold production

**HÜRNER**'s fully automated, process-managed robotic welding systems for the serial production 24/7 of manifold lay-outs are our contribution to moving forward with the energetic transition.

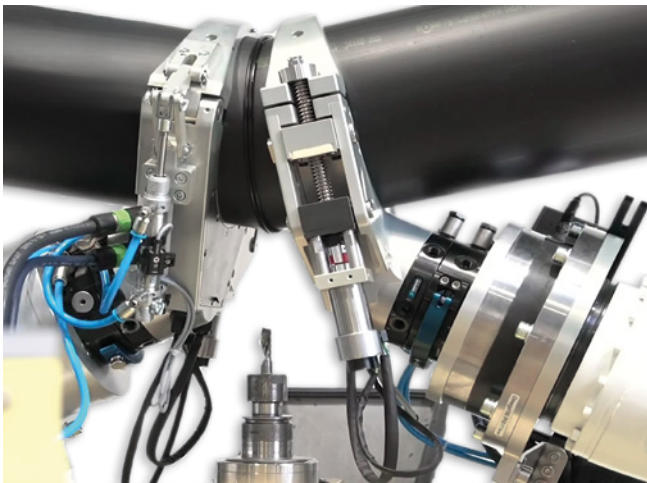
They have been setting new standards for manifold production in geothermal applications, waste water treatment facilities and waste water discharge systems as well as desalinization plants.



Automated production of complex pipeline sections by butt welding

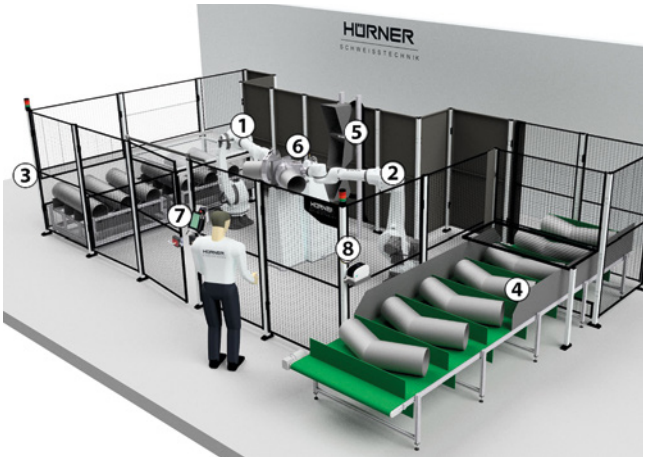
**HÜRNER** Schweisstechnik has managed to bring a revolution to the manufacture of complex sections of pipeline by the butt-welding process. One single, fully automated working step is all it takes to produce segmented bends of pipeline at any angle you choose as well as Tees and crosspieces, up to O.D. 630 mm/SDR 11 (SDR 9).

This is characterized by a hitherto unparalleled level of precision and process control. This system enables the precision-controlled and reproducible manufacture of angled pipelines and manifolds of the most varied kinds without manually reconfiguring or adjusting anything, whatever the manufacturing order.



**HÜRNER**'s robotic systems also enable with no problems the flexible manufacture with a high level of automation of pipe segments with a thin wall as used, for instance, as protective cover conduits in distinct heating supply. The system achieves the precision manufacture true to the nominal tolerances of conduit segments with an outside diameter of up to 315 mm and a wall thickness of only a few millimeters. On top of that, protective conduit segment production with precision milling for branch-off openings is also possible.

Pipes cut precise to the millimeter, thanks to a novel technological approach to milling and cutting, and true to a client's specifications, for batches as small as from 1 unit, with, if required, external bead and (inside/outside) chamfer, are just one more product in the comprehensive portfolio that **HÜRNER** enables you to produce in a fully automated way. Of course, all these system capabilities can be combined into one another, in order to manufacture the most complex pipe segments in a fully automated approach.



System lay-out

1. Robot 1
2. Robot 2
3. Pre-product infeed
4. Segment output belt
5. Extraction
6. Milling/cutting and heating tower
7. Control panel
8. Label tag printer



Monitoring and traceability

1. Data management and archiving with **HÜRNER** Data Work Professional
2. Monitoring and recording of in-process forces and critical parameters









#### **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](http://www.huerner.de)**



# HÜRNER

S C H W E I S S T E C H N I K

#### **HÜRNER Schweisstechnik GmbH**

Technologie Straße  
35325 Mücke

GERMANY

Ph +49 6401 9127 0

E-Mail [op@huerner.de](mailto:op@huerner.de)  
Internet: [www.huerner.de](http://www.huerner.de)

#### **HÜRNER Welding Technology NZ Ltd**

12 Crockery Road  
Papakura  
Auckland 2110  
NEW ZEALAND

Ph +64 9 299 3640  
Fx +64 9 299 3740  
E-Mail [admin@huerner.co.nz](mailto:admin@huerner.co.nz)  
Internet: [www.huerner.co.nz](http://www.huerner.co.nz)

#### **HÜRNER Schweisstechnik Gulf L.L.C**

Damascus Street, Al Qusais 4  
DUBAI  
P.O.Box 233586  
UNITED ARAB EMIRATES

Ph +971 4 2584886  
Fx +971 4 2584887  
E-Mail [info@hurnergulf.ae](mailto:info@hurnergulf.ae)  
Internet: [www.huerner.de](http://www.huerner.de)