



SCHNELLDORFER
MASCHINENBAU

• **Perfection**
welds together •



Only nothing is truly perfect

And as you can see, there's nothing to see.

This is because, with welding machines from Schnelldorfer Maschinenbau, it is possible to achieve discolouration-free welding seams that are so perfect they do not have to be machined afterwards. On the following pages, you can find out how we are able to develop and manufacture these machines, what range of products we offer and what else you can expect from us.

We are delighted by your interest.

Stainless steel 1.5 mm (0.059 inch) TIG with cold wire, without reworking

Perfection welds together

Schnelldorfer Maschinenbau GmbH is the perfect partner for all companies wanting to achieve extraordinary welding results with sophisticated machine solutions.

By specialising in automated welding technology at an early stage, we have been able to amass a wealth of experience over many decades, which is incorporated into every machine we develop.

This enables us to regularly surpass the expectations of our customers about what constitutes a perfect welding seam and optimal all-around service.

For us at Schnelldorfer, the exceptional has long since been the standard. Make the most of it today!





Our success factors

The high quality of both our work and products is shaped by the latest CAD technology, which we use both for the machines themselves and in our two other core areas, electrics and pneumatics.

Needless to say, our products incorporate the latest PLC process control and servo drive systems with user-friendly interfaces. And the software for our machine controls is also based on our intensive knowledge of welding technology.

Our own manufacturing capacities, our experienced electrical and mechanical fitters as well as our relationships with selected suppliers established over the course of many years guarantee our independence and all-round high quality.

Intensive collaborations with leading manufacturers with a broad range of welding power sources mean we can offer machines and fixtures for a multitude of welding methods.

This includes microplasma welding and plasma-keyhole welding, TIG welding with or without wire, MIG/MAG welding and laser welding.

On the following pages, you can get to know our three central areas of competence.



**LONGITUDINAL
SEAM WELDERS**



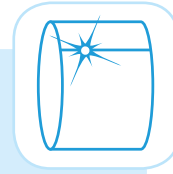
**CORNER
SEAM WELDING MACHINES**



**CIRCULAR
SEAM WELDING MACHINES**



ELENA® type Longitudinal seam welder



Systematic longitudinal seam welding requires sophisticated, superior technology. With our ELENA® and Linearweld machines we offer you this technology and more.

Our ELENA® product range comprises several basic types and a wide selection of special solutions for the most varied application cases.



LINEARWELD INEX 6200



ELENA® 1100-II-HE with insertion aid

ADVANTAGES:

- Perfect welding seams with no start/end weld craters
- Seams on smooth plates, sheets, pipes, tapered pipes, tank sections, housings, etc.
- No discolouration in stainless steel
- Versatile range of options and special solutions
- Controls with simple user guidance via touchscreen

WELDING METHODS:

TIG
Microplasma
MIG / MAG
Plasma
Plasma-keyhole
Laser

IN USE FOR:

Stainless steel
ferritic / austenitic
Steel
galvanised /
aluminium-plated
Aluminium
Copper
Titanium-zinc
Lead
Titanium
Platinum-rhodium

MATERIAL THICKNESS:

0.15 – 10 mm
(0.006 – 0.394 inches)
depending on type

PIPE DIAMETER:

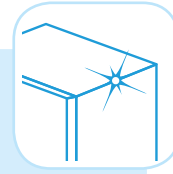
30 mm – more than 6 m
(1.181 – 236 inches)
depending on type

Improve your prospects!

Our CORNERWELD corner seam welding machines made in Germany are sensationally fast, precise and efficient - without rework!



CORNERWELD type corner seam welding machines



This machine type makes it possible to weld simple and rear-lipped corner seam profiles on various parts more easily and more precisely than ever.

Precise clamping technology with cooling and shielding gas supply system, and the convenient machine control for control of welding cycles, ensure absolutely high-quality welding seams.

WELDING METHODS:

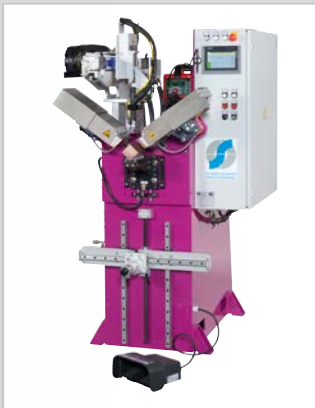
TIG
Microplasma
Laser

IN USE FOR:

Stainless steel
ferritic / austenitic
Steel
galvanised /
aluminium-plated
Aluminium
Titanium

METAL THICKNESS:

0.5 – 3 mm
(0.019 – 1.120 inches)



CORNERWELD Nimble
Safe 100-42



CORNERWELD
300-HH-42-80



CORNERWELD
500-HH-42-80

ADVANTAGES:

- Considerable cost savings when compared to manual welding
- High welding speed
- No discolouration in stainless steel
- Clean look without manual cleaning or regrinding



Circular seam welding machines of type ROTAWELD



The ROTAWELD machine system is our platform for the most diverse tasks in circumferential seam welding. The basis of the circumferential seam welding machines are the precise, servomotoric rotary axis as well as the extensive circumferential seam welding control.

Machine size, component holders, welding technology, torch holders and any additional axes required are designed specifically for the product and customer.

WELDING PROCESS:

TIG
Plasma

IN USE FOR:

Stainless steel
ferritic / austenitic
Steel
galvanised /
aluminium-plated
Aluminium
Titanium
Copper

METAL THICKNESS:

0.5 – 3 mm
(0.019 – 1.120 inches)



ROTAWELD D0200-L0500-HW032

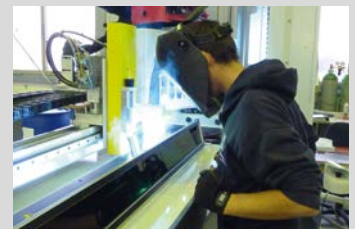


ROTAWELD D0200-L2300-HW032

ADVANTAGES:

- Modular, flexible design
- Comprehensive circumferential seam welding control
- High-precision positioning of the welding axes by servo motors
- Use of different welding processes
- Parameter memory available
- Various customer-specific component fixtures available

SCHNELLDORFER in growth



Schnelldorfer Maschinenbau GmbH is a growing company. We currently employ around 40 people. Our concentrated manpower is distributed over the areas of construction, mechanics, electrical planning and programming, production and assembly, training, service and administration. Our qualified and well-coordinated team enables us to meet all customer requirements quickly and competently.

With our productive output of 80 to 90 specialized machines for welding applications and automation, we currently generate sales of approx. 6.0 million euros per year.

SCHNELLDORFER worldwide

Our capacity for achieving customer satisfaction with our customised solutions has long since extended beyond the German borders. Throughout Europe, customers from more than 20 countries put their trust in Schnelldorfer Maschinenbau GmbH. Outside Europe, we have customers in Australia, Brazil, China, the USA and many other countries.

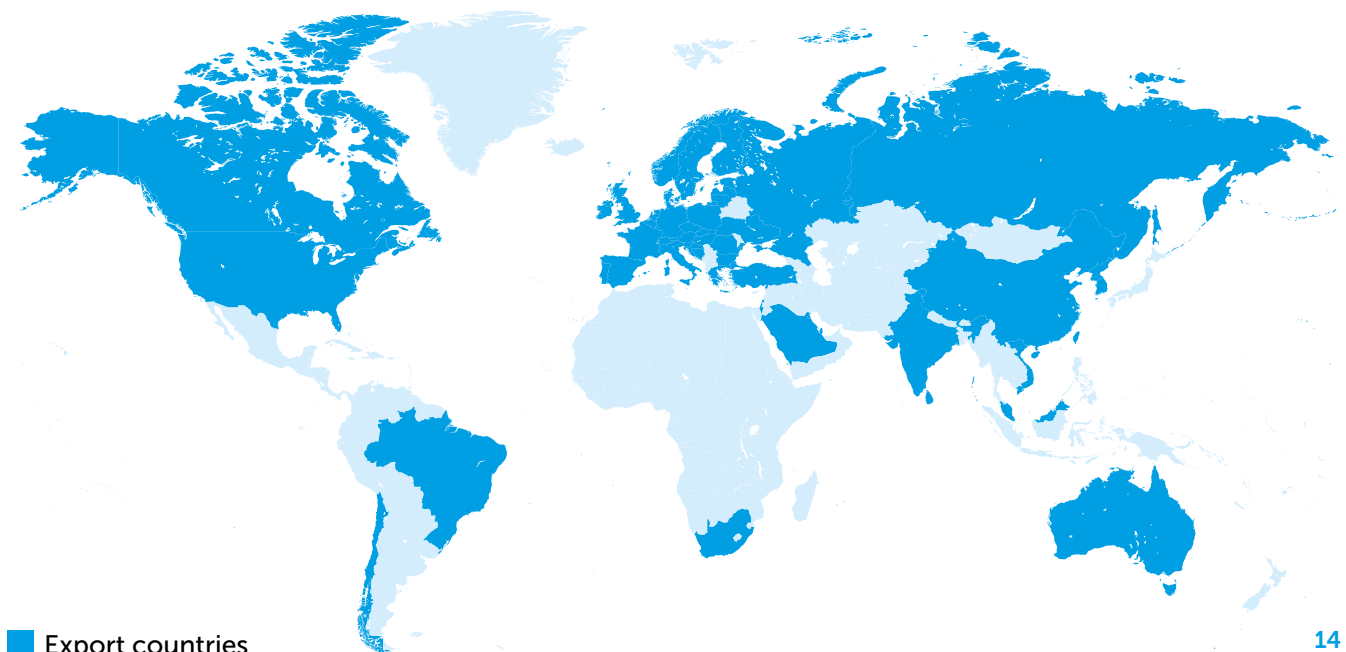
SCHNELLDORFER in application

Our machines are used in these companies, amongst others:

Alape [™]	arosta	Barth + Höpfinger Apparate- Behälter- Anlagenbau	B BARTZ-WERKE GMBH	BASTUCK [®]	ertrams	BLANCO
SCHAKO KÜLWÄRMTECHNIK	bosal	BOSCH Invented for life	B/S/H/	Cobra	Eberspächer	ero [®]
faurecia Emissions Control Technologies	Li METALL TECHNIK	LTS [®] LICHT & LEUCHTEN	MBOR	ميتاليا Metallia [®] Kingdom of Saudi Arabia	KUGEL EDELSTAHLVERARBEITUNG	ELDON
HOBATHERM [®]	WITZENMANN managing flexibility	Intermecc COMPETENT CO-MAKER	KÄRCHER makes a difference	KLARMANN edelstahltechnik	EFF edlede Metallbearbeitung	KWD AUTOMOBILTECHNIK
TROX [®] TECHNIK The art of handling air	RHODIUS [®] Safety and Environmental Solutions	FRANKEN APPARATEBAU	FRANKE	GAGGENAU	senior FLEXONICS	Miele

A complete list of our references can be found on our website:

www.schnelldorfer-maschinenbau.de





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**Soporte & Desarrollo
en Maquinaria**

Just ask us!

We'll be happy to make an individual welding specimen for you and then work out an optimum machine concept for your particular application case.

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