



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 four central areas of competence.



**LONGITUDINAL
SEAM WELDERS**

**CIRCULAR
SEAM WELDING MACHINES**



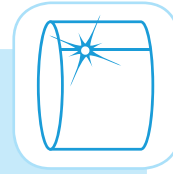
**CORNER
SEAM WELDING MACHINES**

**SPECIAL
WELDING SYSTEMS**





ELENA type Longitudinal seam welder



Systematic longitudinal seam welding requires a mature and superior technology. With our ELENA type machines, we offer you this technology and more besides.

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

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



ELENA 3100-II-H weld seamer / welding seamer
with height adjustment up to four metres



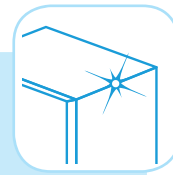
ELENA 1100-II-HE with insertion aid

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



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 500-42-HH



CORNERWELD 300-42-HH



CORNERWELD 500-42-HH

ADVANTAGES:

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

Special Welding systems



Parts with special welding contours, special welding conditions or the need for short cycle times require special, product-specific welding machines. These special welding machines and welding fixtures / clamping fixtures are developed for you by our team of experienced engineers:

Circular seam welding systems

Product-specific special solutions for circular seam welding



Circular seam welding of thin-walled tubes



Simultaneous TIG circular seam welding

Welding fixtures / clamping fixtures

Complex welding fixtures with separate control



Welding fixture / clamping fixture for white goods



Welding fixture / clamping fixture for automotive laser welding

Robot welding cells

Contour welding with robots in multiple station solutions



Plasma robot welding



CMT-GMAW welding of aluminium sheet

SCHNELLDORFER in application

Our machines are used in these companies, amongst others:

		Barth + Höpflinger Apparate-Service-Praxisbau				
		 BOSCH Invented for life	B/S/H/			
	 faurecia Emissions Control Technologies		 FRITZ Alles für den Sinker	GAGGENAU		 HKS Unternehmensgruppe
		 Intermeco COMPETENT CO-MAKER	 KÄRCHER make a difference	 KLARMANN edustafftechnik	 KUGEL ECCO-VERBODERUNG	 KWD AUTOMOBILTECHNIK
	 Li METALL TECHNIK	 LTS LICHT & LEUCHTEN	 metagro REKONSTRUKTION	 Metallia Division of Bosch Power	 MEYER Blatt-Technik	 Miele
		 PetroLuxe	 Prinzing MASCHINENBAU		 REIS REIS ROBOTICS	 RHEINZINK
 RHODIUS Safety and Environmental Solutions	 ROTH	 SCHAKO KREMLING	 senior berghofer	 S.A.SPÄNNI	 Solinox Chimney Systems	 Tatramat
	 TROX TECHNIK	 TRUMPF	 Ulivo Public-200 Fuel Injector	 UPMANN	 wbr Kupf- und Blechtechnik	 Weidmüller
 westaflex	 WIESHEU IMPACT ROSSER	 WITZENMANN	 ZARGES	 Zip Instant Boiling Water		

SCHNELLDORFER in growth



Schnelldorfer Maschinenbau GmbH is a growing company. We currently employ about 35 people. Our combined workforce is distributed over the areas of machine construction, electrical planning and programming, production and assembly, training, service and administration. With our highly qualified and experienced team, we are able to meet all customers' requirements quickly and expertly.

Our production output of 40 to 50 specialised machines for welding applications and automation currently enables us to turn over about EUR 4.0 m annually.



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.



■ Export countries



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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.