



LASERNIC
LASERSCHWEISSEN



MANUAL LASER WELDERS

by Laser *NIC*

Laser *NIC*
in the following models:

CS 1500W
CS 2000W
CS 3000W



Our future
is progress



Our innovative strategies and machine concepts are designed to ensure maximum efficiency and precision.



LASERNIC focuses on 'Made in Germany' quality.

Our laser welding machines, designed and refined in Germany, offer decisive advantages over conventional welding processes. With a welding speed that is 3 to 4 times faster, more precise weld seams and minimised thermal input, we are using future-oriented technology in the industry.

Our CE-certified machines in Germany fulfil the highest safety standards, and offer a reliable combination of quality and safety. This is how we guarantee reliable and durable products for our customers.



Best results with our laser hand-welding technology

Already fulfils the new EU Machinery Directive from 2027 and offers an optimal price-performance.



Precision, efficiency and top welding quality with reduced energy consumption – that's what our redesigned and CE-tested machines in Germany offer.

Welcome to the future of laser welding – our new generation of hand-held laser welding machines sets innovative standards in the industry. With an advanced bus control concept and a modular design, our hand-held fibre laser welder offers unrivalled precision and flexibility for a wide range of applications.



More info about our company



Our CE-certified hand laser machines

The system for the highest demands

Product specifications	CS 1500	CS 2000	CS 3000
Maximum laser power	1.500 W	2.000 W	3.000 W
Laser wavelength	1.070 ± 10 Nm	1.070 ± 10 Nm	1.070 ± 10 Nm
Light output mode	continuous Light output	continuous Light output	continuous Light output
Fibre optic outputs	1 Output	1 Output	1 Output
Wobble width	0–8 mm	0–8 mm	0–8 mm
Welding depth (depending on material)	0,2–2 mm	0,2–4 mm	0,2–6 mm
Machine performance	< 7 KW	< 9 KW	< 14 KW
Power supply	AC 380 V ± 10 %/ 3P + PE	AC 380 V ± 10 %/ 3P + PE	AC 380 V ± 10 %/ 3P + PE
Cooling mode	Water cooling	Water cooling	Water cooling
Optical fibre type	QBH	QBH	QBH
Fibre diameter	50 µm	50 µm	25 µm
Fibre length	10 m	10 m	10 m
Wire diameter	0,8; 1,0; 1,2; 1,6 mm	0,8; 1,0; 1,2; 1,6 mm	0,8; 1,0; 1,2; 1,6 mm
Weight	210 kg	210 kg	276 kg
Dimensions	120 x 60 x 110 cm	120 x 60 x 110 cm	120 x 70 x 123 cm
Multilingual display	Yes	Yes	Yes
Inkl. Drahtvorschubbox	Yes	Yes	Yes
Wire feed box from another supplier	possible	possible	possible

Our service, customised for you



CONSULTING

We support you in the selection of the optimum welding process for your specific requirements.



PRODUCTS

We deliver high-quality manual laser welders along with accessories, which are calibrated to your individual requirements, to you



SPARE PARTS

You can also purchase the necessary spare parts to maintain your welders in an operating condition at all times.

Advantages that convince you



VERSATILE USE

Welding of aluminium, Stainless steel, steel, galvanised steels, stainless alloys and copper.



USER-FRIENDLY

Easy handling thanks to innovative burner design with safety release.



PRECISE

Low warpage and low heat input compared to other welding applications.



FLEXIBLE

Welding with or without filler materials, depending on requirement.



REDUCED OPERATING COSTS

Less finishing work required with simultaneously increased productivity.



HIGHLY EFFICIENT

Up to 4 times faster than the traditional WIG process.



SERVICE

With every delivery, we offer a thorough training to ensure that you and your team can use the machine optimally.



More info
about our
devices



Our expertise creates trust

State-of-the-art laser welding
technology – developed with
German expertise



Find out more
about our product range

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