THE SPIRIT OF EXPERTISE

SIGMA LASER

SINEO FIBRE

MOBILE SYSTEMS WITH FIBRE LASER FROM 300 TO 600 WATTS

As the winner of the German Design Award 2025, the Sineo laser welding system is a premium solution for the deposition welding of large tools using a fibre laser up to 600 Watt.
High operational range, long travel path of the axis, perfect operating concept and the exclusive Super Pulse Technology make “Sineo Fibre” a high-end solution with the highest flexibility and best welding results when repairing components. This premium model meets the highest expectations of a product “Made in Germany”.



THE SPIRIT OF EXPERTISE

SIGMA LASER

JOYSTICK SIGOMAX

THE ULTIMATE JOYSTICK THAT MERGES PRECISION, COMFORT, AND CONTROL FOR UNMATCHED LASER WELDING PERFORMANCE

Introducing Sigomax – the pinnacle of precision and control in laser welding. Designed to be an extension of your hand, Sigomax offers unparalleled accuracy, comfort, and responsiveness.

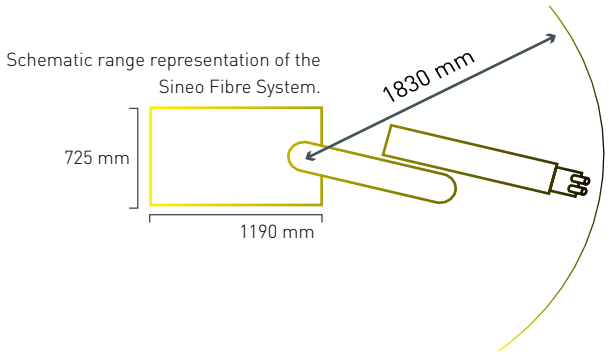
UNBEATABLE PERFORMANCE

Elevate your efficiency with the ultimate joystick, engineered to push the boundaries of performance and workflow.

- 6 programmable buttons
- Axis speed separately regulated
- Padded leather hand rest
- 3.5 inch touch screen display
- User profile for push button customization



SIGMA LASER



SINEO FIBRE: TECHNICAL DATA

Mittlere Leistung Mean power	**300 W**	**450 W**	**600 W**
Ytterbium-Faserlaser Ytterbium fibre laser	Wellenlänge 1070 nm Wavelength 1070 nm		
Max. Pulsenergie Max. pulse energy	30 J	45 J	60 J
Betriebsmodus Operating mode	w / gepulst pulsed		
Pulsspitzenleistung Pulse peak power	3 kW	4,5 kW	6 kW
Pulsdauer Pulse duration	0,05–50 ms	0,05–50 ms	0,05–50 ms
Pulsfrequenz Repetition rate	bis up to 100 Hz	bis up to 100 Hz	bis up to 1000 Hz
Fokus-Durchmesser Focus diameter	0,1–2,0 mm		
Fokus-Änderung Beam expander	motorisch motor-driven		
Pulsformung Pulse shaping	Yes Super Pulse Technology		
Programmspeicher Memory function	50 Speicherplätze (erweiterbar auf 100) 50 storage places (upgradeable to 100)		
Beobachtungsoptik Controlling optics	Leica Binokular mit Brillenträgerokularen Leica Binocular with large oculars		
Gewicht Weight	360 kg		
B × L × H W × l × h	725 × 1190 × 1345 mm		
Verfahrweg (X, Y, Z) Traverse path	620 × 620 × 510 mm		
Netzspannung Supply voltage	380 V / 3 Ph / 50 Hz		

Products and specifications listed in this factsheet are subject to change without prior notice.

Sigma Laser GmbH
Liebigstr. 2
63477 Maintal
Germany

Fon: +49 (0) 6109 715 973-0
info@sigma-laser.com
sigma-laser.com