

THE SPIRIT OF EXPERTISE



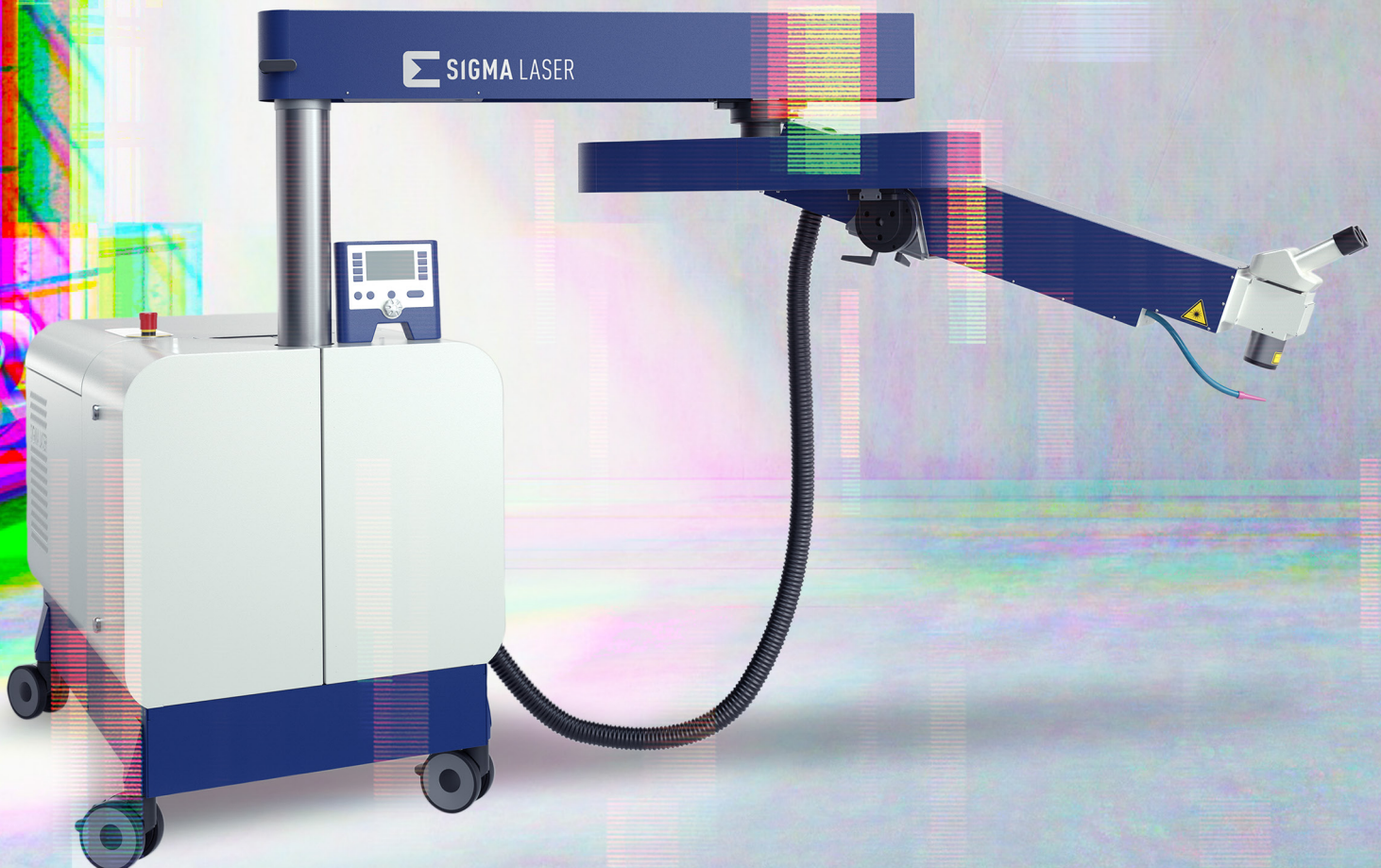
SIRIUS LIGHT

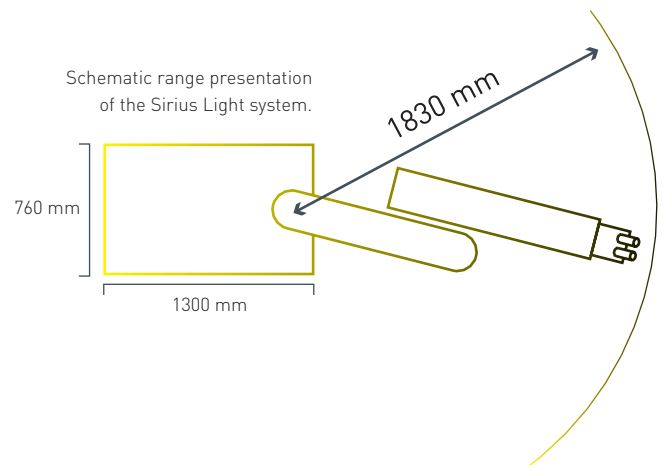
FLASH LAMP-PUMPED, MOBILE SYSTEMS OF 60 TO 500 WATTS

This modular laser welding system was specially developed for deposition welding of large tools (up to 25 tons).

UNBEATABLE RANGE

Thanks to their long reach of up to 1,830 mm radius and the long travel path of the individual axes, the systems of this series offer a high level of flexibility in the repair of components – regardless of size or geometry.





SIRIUS LIGHT: TECHNICAL DATA

Mittlere Leistung Mean power	60 W	120 W	160 W	220 W	330 W	420 W	500 W
Nd: YAG-Laser	Wellenlänge 1064 nm Wavelength 1064 nm						
Max. Pulsenergie Max. pulse energy	60 J	80 J	100 J	120 J	140 J	150 J	170 J
Pulsspitzenleistung Pulse peak power	6 kW	9 kW	13 kW	13 kW	13 kW	13 kW	13 kW
Pulsdauer Pulse duration	0,5–20 ms	0,5–20ms	0,5–50 ms	0,5–50 ms	0,5–50 ms	0,5–50 ms	0,5–50 ms
Pulsfrequenz Repetition rate	0,5–20 Hz	0,5–20 Hz	0,5–20 Hz	0,5–20 Hz	0,5–40 Hz	0,5–40 Hz	0,5–40 Hz
Fokus-Durchmesser Focus diameter	0,2–2,0 mm						
Fokus-Änderung Beam expander	motorisch motor-driven						
Pulsformung Pulse shaping	nein no	ja yes	ja yes	ja yes	ja yes	ja yes	ja yes
Blitzlampen Flashlamp	1	2	2	2	2	2	2
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	250 kg	300 kg	300 kg	350 kg	450 kg	475 kg	475 kg
B × L × H W × l × h	760 × 1300 × 1200 mm						
Verfahrweg (X, Y, Z) Traverse path	600 × 600 × 400 mm						
Netzspannung Power supply	380 V / 3 Ph / 50 Hz						
Kühlsystem Cooling system	Wasser/Luft integriert water/air integrated				Wasser/Luft extern water/air external		

