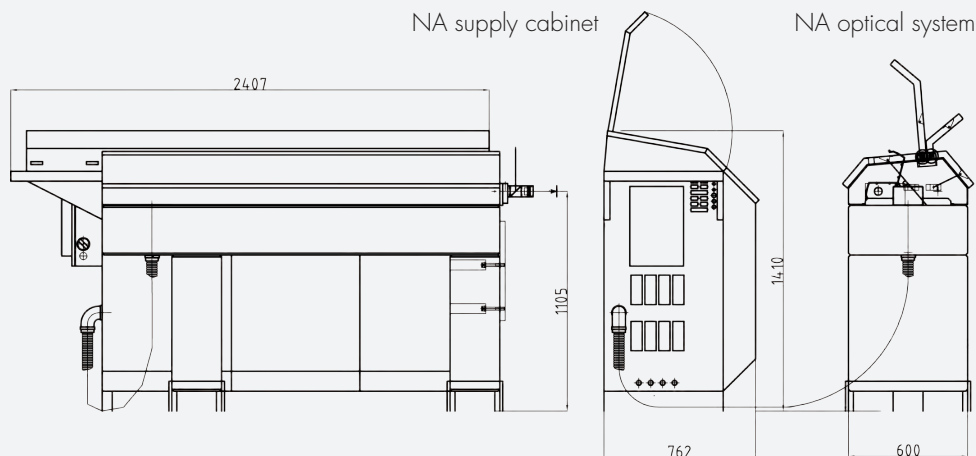


LASAG NA N

The NA 100 / 200 / 302 / 502 N lasers drill blind holes in eyeless needles for microsurgery with utmost precision.

- Precise drilling of blind holes in micro surgical needles with high aspect ratio.
- Compatible with most medical-grade steels.
- Designed for mass production in a 24/7 environment.
- Ultra stable granite table construction.
- Lowest drilling cost per needle in 24/7 manufacturing





LASAG NA N

Laser source	NA 100 N	NA 200 N	NA 302 N	NA 502 N
Laser type	pulsed Nd:YAG solid state laser			
Wavelength	1064 nm			
Beam diameter	6 mm			
Pulse length	0.01-0.5 ms	0.01-0.5 ms	0.01-1 ms	0.01-1 ms
Pulse frequency	0.1-4 Hz	0.1-4 Hz	0.1-5 Hz	0.1-5 Hz
Pulse energy max.	5 J	7 J	30 J	30 J
Pulse power at 1 ms max.			30 kW	30 kW
Pulse Power at 0.5 ms max.	10 kW	14 kW		
Average Power max.	20 W	28 W	150 W	150 W
Line Power				
Configuration	3-phase + ground			
Multitap transformator for	3 x 200 to 480 VAC ±10%			
Power consumption	max. 25 kVA			
Cooling				
Water inlet max.	20°C / 8 bar			
Pressure drop to outlet, min.	4 bar			
Cooling power max.	14 kW			
Weight				
Supply cabinet	970 kg			
Optical system	1500 kg			
Ambient conditions				
Ambient temperature	10–35 °C (stabilized ± 2°C)			
Relative humidity max.	80 %			
Emissions				
Heat dissipation max.	0.4 kW + laser beam power			
Noise at 1 m, idle	65 dBA			
Compliance with standards				
CE compliant, FDA compliant				

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Specifications subject to change without notice