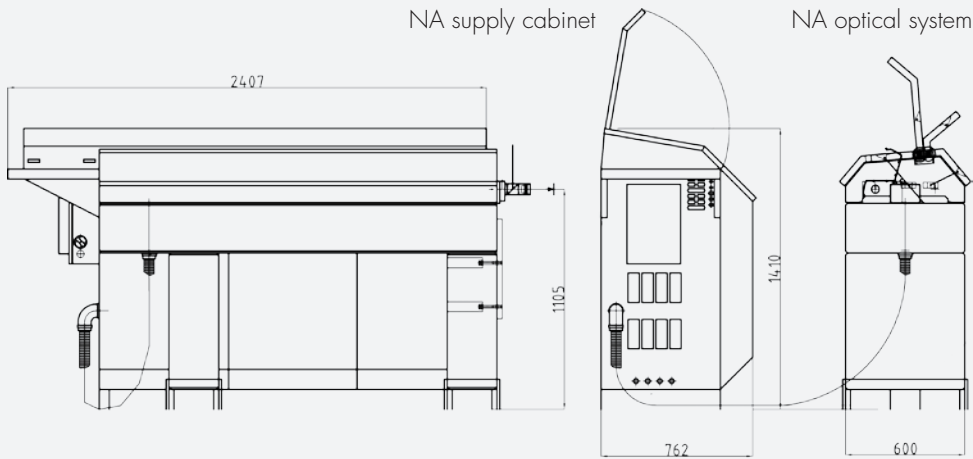


NA N

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





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