

## Standard Chinook High Energy IRXX & GXX specifications

- Laser characteristics**

	<b>Chinook HE IR50</b>	<b>Chinook HE G25</b>
Average Power	10W @ 100 kHz 50W @ 500 kHz	5W @ 100 kHz 25W @ 500 kHz
Frequency range	Single shot to 1 MHz	
Pulse energy	Constant from single shot up to 500 kHz 100 μJ from single shot to 500 kHz	Constant from single shot up to 500 kHz 50 μJ up to 500 kHz
Pulse duration	<1 ps Typ 800 fs Constant over full rep rate range	Typ 700 fs Constant over full rep rate range
M <sup>2</sup>	<1.2	
Wavelength	1030 nm	515 nm
Beam diameter(4Sigma) at 50 cm from output	2.4 mm +/- 10%	TBD
Beam diameter(4Sigma) at 100 cm from output	3 mm +/- 10 %	TBD
Beam circularity	85%	
Polarization	>99% linear	

- Operating conditions**

Temperature	15°C – 35°C
Humidity	RH < 90° non condensing

- General characteristics**

Size and weight of the laser head (LH)	50 kg 1084 x 250 x 150 mm (including cabling)
Size and weight of the power supply(CU)	35 kg 483 x 265 x 650 mm
Supply voltage	100V/240V
Supply frequency	50/60Hz single phase
Max power consumption	Max 1000 W
Chiller specifications	Water 3 l/min, between 15°C and 30°C Temperature regulation +/-0,1°C 900 W max. heat load
Cable between LH & CU	Length 5 m
Synchronization	Compatible with fast polygon scanners

The laser offered should not be used as stand-alone lasers. These lasers have to be used as an OEM component for the integration into a complete system. It is the integrator responsibility to comply with the actual laser safety and electrical regulations.

All laser security guidance according to laser the local regulations need to be deployed by Customer to use the equipment in a proper manner. Precautions to be taken are detailed in the user manual sent in a PDF file included with the laser packing when purchased.



