Standard Chinook IR GR UV specifications

- ***Laser characteristics***

	Chinook IR50	Chinook G25	Chinook UV5
Average Power	25W@1MHz 50W @ 2MHz >50W@3MHz	12W@1MHz 25W@2MHz >20W@3MHz	5W@1MHz
Pulse rate frequency	Single shot to 3 MHz	Single shot to 3 MHz	Single shot to 1 MHz
Pulse energy	25 µJ up to 2 MHz	12 µJ up to 2 MHz	5µJ up to 1 MHz
Pulse duration	<1 ps Typ 900 fs	<1 ps Typ 800 fs	<1 ps Typ 700 fs
M^2	<1.2	<1.2	<1.3
Wavelength	1030 nm	515 nm	343 nm
Beam size (diameter at $1/e^2$)	2 mm	2 mm	2 mm
Beam divergence (half angle)	0.4 mrad	0.2 mrad	0,1 mrad
Average Power stability over 8h (RMS 1σ)	2%	2%	4%
Polarization	>99% linear	>99% linear	>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

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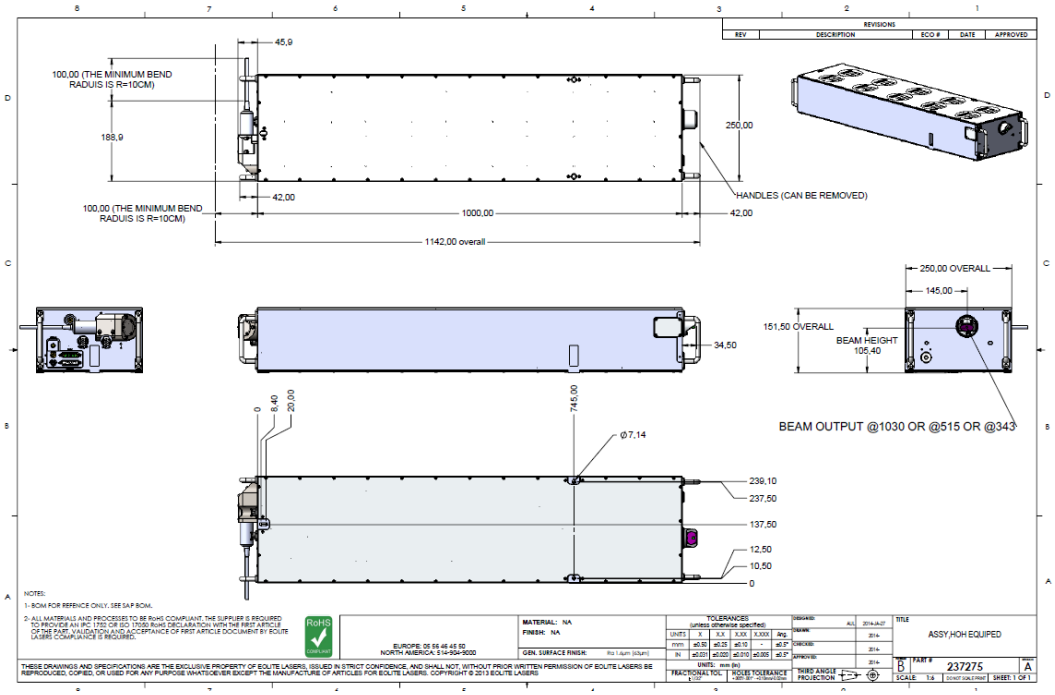
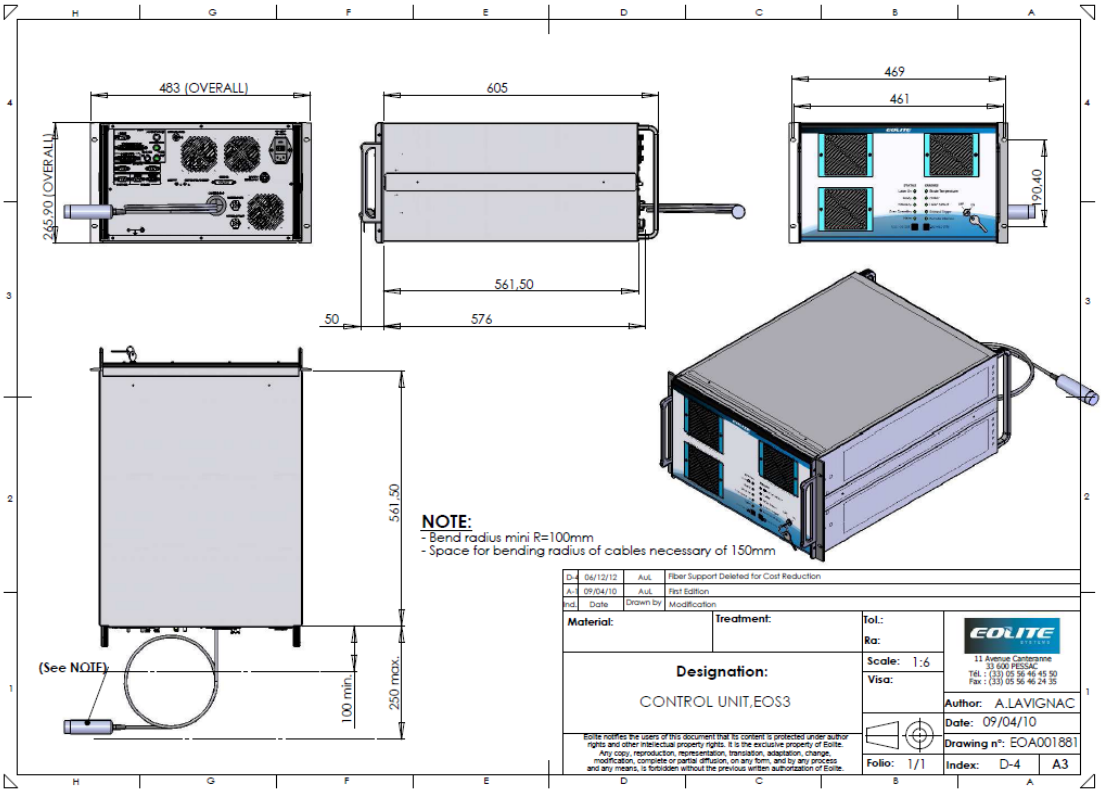
a PDF file included with the laser packing when purchased.





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