



VaryDisk PICO

performance meets versatility....

PICO

picosecond laser system
with high average output
power and low complexity

FEATURES

- **customizable** output parameters
- robust design
- up to **400 W** average power^{a)}
- pulse durations in the picosecond regime^{b)}
- pulse energy from 200 μJ up to **10 mJ**^{c)}
- repetition rates from 1 kHz to 500 kHz
- high beam quality ($M^2 < 1.3$)
- **1030 nm**, 515 nm
- energy stability $< 3\%$ RMS
- power stability $< 1\%$ RMS
- switchable pulse durations from pulse to pulse^{d)}
- customizable network Interface

ADDITIONAL OPTIONS

- helical drilling optics
- pulse picker
- Scanner
- THG

a) with power upgrade
b) depends on choice of seed laser
c) max. pulse energy scales with
output pulse duration
d) In case of multiple seeds

DIMENSIONS/WEIGHT

All data given here are approximate, since nearly every laser is unique with respect to our customers requests (including the specifications given here):

- laser head approx. 200 kg
(80 x 70 x 45) cm^3 without optional modules
- rack approx. 200 kg, (100 x 80 x 56) cm^3
- connection rack - laser head: 4 m
- chiller up to 250 kg, (60 x 58 x 155) cm^3

OPERATING CONDITIONS

- power supply 3 phases 380 V, 50 Hz + N + ground, CEE 32 A plug
- power consumption $< 4 \dots 6$ kW
- water connection barbed fittings for tubing
13 or 16 mm inner diameter
- water flow 15 l/min @ 12 °C – 25 °C
- water quality filtered 80 μm recommended,
low chlorine concentration (< 200 mg/l)
- 20 – 25 °C operating temperature, low
humidity

 **DAUSINGER+**
GIESEN GMBH



contact • Dausinger + Giesen GmbH
Rotebühlstrasse 87
70178 Stuttgart
Germany

phone • +49 (0)711 907060-550
fax • +49 (0)711 907060-99
email • info@dausinger-giesen.de
internet • www.dausinger-giesen.de