

TM

LASER SOS (INDIA) PVT. LTD.

**SUPER CONAR
U4P, U4P-PE, U4P-D**



Where Lasers Matter

www.lasersosindia.com

SYSTEM SPECIFICATIONS

DIODE PUMPED LASER SYSTEM

Wavelength
Beam Mode
Beam Polarization
Beam Diameter at l/e2
Beam Divergence at l/e2 (max)
Beam Stability at 10-500 kHz
Q-switched Output power Max@ 10 kHz
Q-switched working power Max@ 10 kHz

SUPER DIODE

1064 nm
TEM₀₀
Vertical
< 1.2 mm
2.0 mrad
5% rms
18-20 Watts
14-16 Watts

Q-Switch Performance :-

Peak Power (min) 50 kw
Energy/pulse (min) 4 mJ
Pulse Width (max) < 120 ns
Peak of Peak instability (max) <5% pk-pk

Motion Controller :-

X - Y Axis

Travel Range 150 X 150 mm
Control System Servo Motor & Rotary Encoder
Resolution 0.5 micron
Accuracy 2.0 micron

Z - Axis

Travel Range 60 mm
Control System Servo Motor & Rotary Encoder

Rotary Axis Brutting

Rotary Axis With Servo Motor & Rotary Encoder

Cooling System

Single water
(steamed distilled water)

Electrical Supply

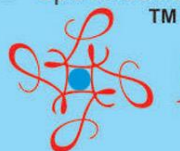
230V AC, 50/60 Hz,
Single Phase
< 13 Amps

Mechanical Structure

(in inches)
30 (L) x 27 (W) x 61 (H)

Warranty

- One year warranty on the system from material & manufacturing defects. This warranty excludes all optics and consumables .
- Specification Subject to change Without Notice.



LASER SOS (INDIA) PVT. LTD.

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