

Princess

Laser System:

Q-Switched Nd:Yag	Lee Laser Model 818TQ
Wavelength	1.06nm
Transverse mode	TEM ₀₀
Average Output Power @ 3KHz	13W
Pulse width (nominal at 3 KHz)	90 ns
Peak Pulse Power (at 1 KHz)	50KW
Pulse Stability (peak to peak)	5%

Beam Delivery System

High quality optics

Easy to align and maintain

CCD camera and B/W monitor with crosshair.

Moving Table

X-Y-Z with Stepper motors

Travel: 50mm

Limit switches: hardware and software

State-of-the-Art controller and drivers.

Computer: Pentium II or up

Keyboard and Joystick

Stone Mounting: Unique manipulator

Safety Enclosure: Class I

Utilities

Electricity	20 +10% VAC, 3-phase, 50/60 Hz, 30A OR 380 +10% VAC, 3-phase, 50/60 Hz, 20A
Cooling Tap Water	20 lpm at 200 C(680F) max temp. > 2.5 bar (35 psi) pressure

Options

Longer travel for the XY stages

Red light pointer for ease of laser alignment

Modem connection to LaserOp service center

System Dimensions: 200X70X185 (LxWxH) cm

Note: LaserOp reserves the right to modify the above specification without advanced notice.

