

PULSED LASER SYSTEMS

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MULTITECH Ltd.



Flashlamp-pumped Two-Staged Picosecond Laser System

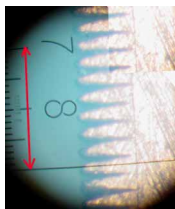
- ▶ MASTER OSCILLATOR
- ▶ POWER AMPLIFIER
- ▶ PULSE COMPRESSION

SPECIFICATIONS :

Wavelength	1064 nm
Pulsewidth	400 ps
Pulse Energy	200 mJ
Repetition Rate	20 Hz
Beam Diameter	6 mm
Beam Divergency	0.6 mrad

APPLICATIONS:
X-ray spectroscopy
Photochemistry

PTS-1



Flashlamp-pumped Nanosecond Laser System

- ▶ PLPS-1000 POWER SUPPLY
- ▶ LCS-25/4 LIQUID COOLING SYSTEM
- ▶ TRAIN PULSE

SPECIFICATIONS :

Wavelength	1064 nm
Pulsewidth	10-200 ns
Pulse Energy	up to 200 mJ
Repetition Rate	up to 100 Hz

APPLICATIONS:
Precise ablation cutting
Materials:
Metals, Ceramics, Ferrites, Silicon

Pulsed Laser Systems

CUPID-400



Diode-pumped Two-Stage Picosecond Laser System

- ◆ MASTER OSCILLATOR
- ◆ POWER AMPLIFIER
- ◆ PULSE COMPRESSION
- ◆ PULSAR-200 POWER SUPPLY
- ◆ TRAIN PULSE

APPLICATIONS:

Precise Laser Cutting

Materials:

**Firm Transparent Dielectrics
Sapphire, Glass**

SPECIFICATIONS :

Wavelength	564,1200 nm
Pulsewidth	30-100 ps
Pulse Energy	up to 50 μ J
Repetition Rate	50-500 Hz
Beam Diameter	6 mm
Beam Divergency	0.3 mrad

High Repetition Rate Diode-pumped Laser System

M-600-1000



- ◆ PULSAR-200 POWER SUPPLY
- ◆ TECS-200 THERMO-ELECTRIC CHILLER

**APPLICATIONS:
Glass Art Marking**

SPECIFICATIONS :

Wavelength	532,1062 nm
Pulsewidth	9 ns
Pulse Energy	up to 5 mJ
Repetition Rate	50-1000 Hz
Beam Diameter	1.5 mm

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