

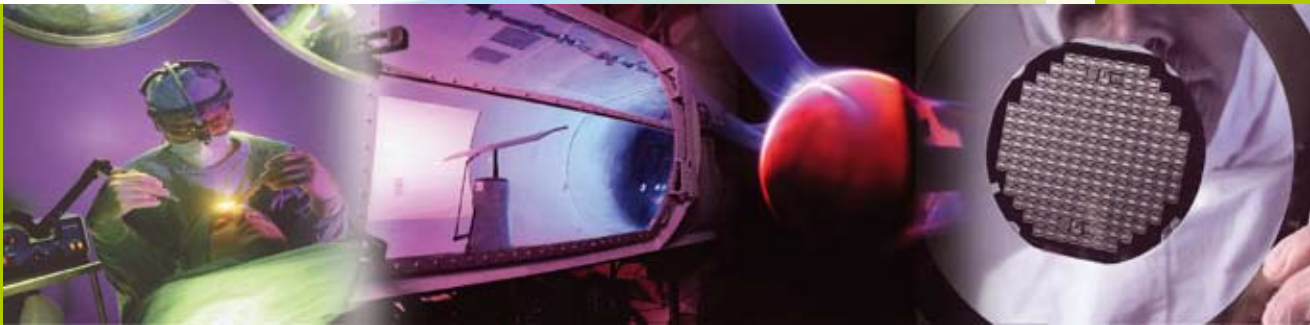
LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

DIODE PUMPED LASER HEADS

High performance and high reliability

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Intelligent Solutions, Manufacturing & Development

DIODE PUMPED LASER HEADS

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CONTENTS

Part No: DP2DJPG.....	4
Part No: DP4DJPG.....	6
Part No: DP6DJPG.....	8

DIODE PUMPED LASER HEADS

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Part No: DP2DJPG

20 WATT LOW ORDER MODE:

Diode Module DP2DJPG is a 20Watt low order mode laser source designed for integrating into industrial laser systems. The module is protected against electrostatic discharge, reverse polarity, over temperature and for operating in a humid environment. The module design incorporates diagnostics which are necessary to ensure minimal diode degradation. The diode-pumped module is completely maintenance – free. A sensor monitors the operating life of the diodes. The diodes are packaged in a compact but rugged peak assembly. The module is affordable and simple to integrate and service.

The design is based on a side pumped laser rod configuration and pumped with long life diode bar architecture. Cooling of the laser module is accomplished with simple re-circulating water chillier.

The diode module can be supplied with either an Nd:YAG or ND:YLF laser rods, the customer has to specify. The Nd:YLF Module can be configured with either a-axis or b-axis rods for 1047 nm or 1053 nm output.

APPLICATIONS:

- | | | | |
|------------|-----------------|-------------------|-----------|
| • CUTTING | • DRILLING | • MICRO-MACHINING | • SAWING |
| • TRIMMING | • WELDING | • SOLDERING | • KERFING |
| • MARKING | • HEAT TREATING | • SCRIBING | • BRUTING |

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Part No: DP2DJPG

CONSUMABLES:

ITEM	PART NUMBER
Nd:YAG Rod Assembly	DPR2G
Nd:YLF Rod Assembly	DPR2G/YLF
Diode Protection Board	DPTH2DASSY
Sensor Interface Board	DPYILOCKBOARD
Chiller	HEX-P307-230-50
Diode Laser Driver	DPS250704
Deionized Filter	D665
Particle Filter	PF636

NOTE: Assembly, Repair and Test is performed at manufacturers facilities.



DIODE PUMPED LASER HEADS

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Part No: DP4DJPG

50WATT MULTIMODE:

Diode Module DP4DJPG is a 50 Watt multimode laser source designed for integrating into industrial laser systems. The module is protected against electrostatic discharge, reverse polarity, over temperature and for operating in a humid environment. The module design incorporates diagnostics which are necessary to ensure minimal diode degradation. The diode-pumped module is completely maintenance – free. A sensor monitors the operating life of the diodes. The diodes are packaged in a compact but rugged peak assembly. The module is affordable and simple to integrate and service.

The design is based on a side pumped laser rod configuration and pumped with long life diode bar architecture. Cooling of the laser module is accomplished with simple re-circulating water chillier.

The diode module can be supplied with either an Nd:YAG or ND:YLF laser rods, the customer has to specify. The Nd:YLF Module can be configured with either a-axis or b-axis rods for 1047 nm or 1053 nm output.

APPLICATIONS:

- | | | | |
|------------|-----------------|-------------------|-----------|
| • CUTTING | • DRILLING | • MICRO-MACHINING | • SAWING |
| • TRIMMING | • WELDING | • SOLDERING | • KERFING |
| • MARKING | • HEAT TREATING | • SCRIBING | • BRUTING |

LAMP PUMPED LASER HEADS

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Part No: DP4DJPG

CONSUMABLES:

TEM	PART NUMBER
Nd:YAG Rod Assembly	DPR3G
Nd:YLF Rod Assembly	DPR3G/YLF
Diode Protection Board	DPTH4DASSY
Sensor Interface Board	DPYILOCKBOARD
Chiller	HEX-P310-230-50
Diode Laser Driver	DPS600708
Deionized Filter	D665
Particle Filter	PF636

NOTE: Assembly, Repair and Test is performed at manufacturers facilities.



DIODE PUMPED LASER HEADS

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Part No: DP6DJPG

75 WATT MULTIMODE:

Diode Module DP6DJPG is a 75 Watt multimode laser source designed for integrating into industrial laser systems. The module is protected against electrostatic discharge, reverse polarity, over temperature and for operating in a humid environment. The module design incorporates diagnostics which are necessary to ensure minimal diode degradation. The diode-pumped module is completely maintenance – free. A sensor monitors the operating life of the diodes. The diodes are packaged in a compact but rugged peak assembly. The module is affordable and simple to integrate and service.

The design is based on a side pumped laser rod configuration and pumped with long life diode bar architecture. Cooling of the laser module is accomplished with simple re-circulating water chillier.

The diode module can be supplied with either an Nd:YAG or ND:YLF laser rods, the customer has to specify. The Nd:YLF Module can be configured with either a-axis or b-axis rods for 1047 nm or 1053 nm output.

APPLICATIONS:

- | | | | |
|------------|-----------------|-------------------|-----------|
| • CUTTING | • DRILLING | • MICRO-MACHINING | • SAWING |
| • TRIMMING | • WELDING | • SOLDERING | • KERFING |
| • MARKING | • HEAT TREATING | • SCRIBING | • BRUTING |

LAMP PUMPED LASER HEADS

High performance and high reliability

Part No: DP6DJPG

CONSUMABLES:

ITEM	PART NUMBER
Nd:YAG Rod Assembly	DPR4G
Nd:YLF Rod Assembly	DPR4G/YLF
Diode Protection Board	DPTH6DASSY
Sensor Interface Board	DPYILOCKBOARD
Chiller	HEX-P312-230-50
Diode Laser Driver	DPS10007012
Deionized Filter	D665
Particle Filter	PF85649

NOTE: Assembly, Repair and Test is performed at manufacturers facilities.





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