

LASER DIODE MODULES

DPSS Laser systems free space and fiber-coupled

CW and Q-switched
Low Noise and Single Longitudinal Mode

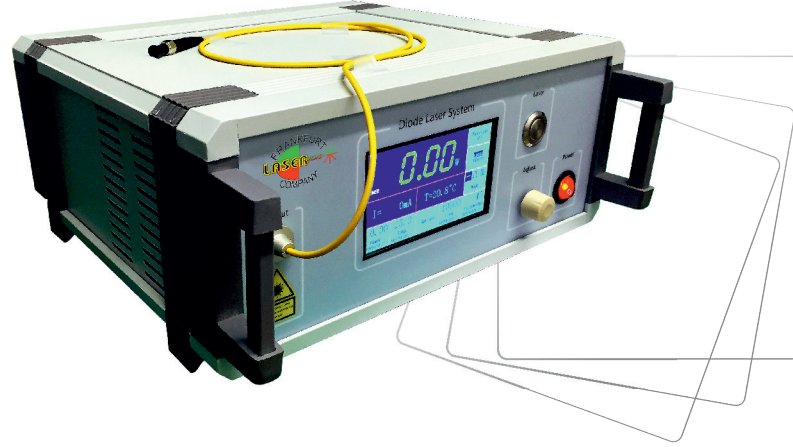
Wavelength (nm):
261, 266, 303, 320, 349, 351, 355, 360, 375, 395, 397, 400,
405, 410, 415, 435, 440, 442, 445, 447, 450, 454, 457, 460,
462, 465, 473, 480, 488, 491, 500, 510, 514, 515, 520, 522,
523, 526, 532, 543, 556, 561, 589, 593, 604, 607, 622, 627,
633, 635, 637, 639, 640, 655, 656, 660, 671, 680, 685, 690,
705, 721, 730, 750, 785, 786, 793, 800, 808, 825, 830, 845,
852, 879, 880, 885, 905, 914, 915, 940, 946, 965, 975, 980,
1030, 1040, 1047, 1053, 1060, 1064, 1085, 1112, 1122, 1177,
1208, 1275, 1310, 1313, 1319, 1320, 1342, 1380, 1413,
1444, 1450, 1470, 1532, 1550, 1573, 1600, 1645, 1710,
1870, 1900, 1910, 1940, 1990, 2096, 2200, 2790, 3800

Power output: 1mW – 500W

Applications:

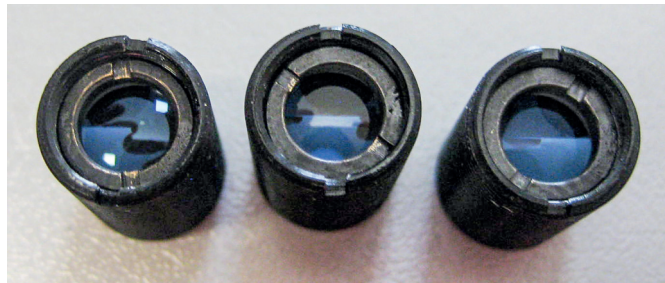
Target designation and illumination
Spectroscopy
Measurement equipment
Laser display
Printing
Medical lasers

FLC delivers power/wavelength highly temperature-stabilized low optical noise laser diode modules with integrated microcomputer controller and round beam shape.



Laser Diode Optic

Our product range includes variety of laser diode collimating, focusing and beam- shaping diffractive optic available off-shelf. We provide custom-designed optical solutions for laser diode products on demand.



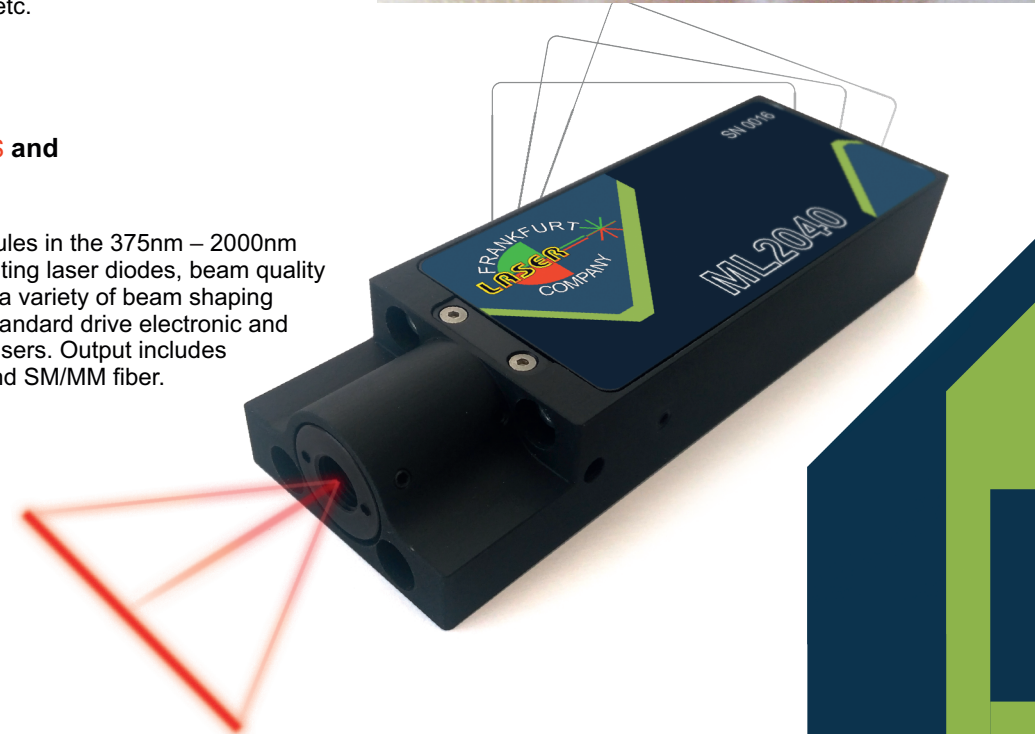
ANTERYON Aspheric Lenses

In addition FLC offers the line of Anteryon aspheric collimators. Produced using glass replication technology they are the cost-effective solution for a wide range of laser diode applications and are available in a wide range of specifications, AR-coating, etc.

Laser Diode Modules and DPSS Laser Modules

FLC offers laser diode modules in the 375nm – 2000nm wavelength range incorporating laser diodes, beam quality correcting optics as well as a variety of beam shaping optics combined with MIL standard drive electronic and DPSS frequency-doubled lasers. Output includes collimated/focused beam and SM/MM fiber.

round spot
non-Gaussian line
thickness down to 20um
dot line
ring
dot matrix
line
crosshair
square spot
line array



Stradus Laser Diode Modules

The Stradus® line of lasers is fully CDRH-compliant series of high-performance, circularized laser diode modules. The highly integrated Stradus® modules contain all the necessary optical power regulation, temperature regulation, graphical communication interface, and protection circuitry. The modules deliver exceptional power and wavelength stability combined with high frequency modulation. The design encompasses UV to IR wavelength range using semiconductor and DPSS laser technology. All Stradus® lasers are single mode TEM00 lasers. The Stradus® lasers feature both USB and RS-232 connectivity for easy to use control and monitoring of the system. PC user interface software is provided to allow for easy setup of the system.

Wavelength (nm): 375, 395, 405, 420, 445, 473, 488, 505, 514, 532, 561, 633, 637, 640, 642, 660, 685, 705, 730, 785

Output power up to 250mW

Applications:

DNA sequencing
Flow cytometry
Spectroscopy
Fluorescence
High-resolution printing
Interferometry
Medical procedures
Metrology
Confocal microscopy
Research & Development



OUR MAJOR SUPPLIERS

Anteryon (Netherlands)

Lasence (China)

Seminex (USA)

Eblana Photonics (Ireland)

LED Microsensor (Russia)

Shimadzu (Japan)

Elite Optoelectronics (China)

RPMC Lasers (USA)

Snake Creek Lasers (USA)

Anteryon

eblanaphotonics

ELITE

LASENCE

LED Microsensor NT

rxpmc

SemiNex CORPORATION

SHIMADZU

SNAKECREEKLASERS

Frankfurt Laser Company

An den 30 Morgen 13
61381 Friedrichsdorf
Germany

Tel.: +49(0)6172 27978-0
Fax: +49(0)6172 27978-10
E-Mail: sales@frlaserco.com
Internet: www.frlaserco.com

YOUR LOCAL DISTRIBUTOR



PRODUCT SURVEY

Founded in 1994, Frankfurt Laser Company

(FLC) is a privately owned company engaged in development, production and distribution of a wide range of Fabry-Perot, DFB and DBR laser diodes and incorporating them into-laser diode modules, DPSS frequency-doubled lasers and OEM modules. The product range also includes superluminescent diodes, MID-IR LEDs and photodetectors, visible and IR VCSEL's and Interband and Quantum Cascade Lasers. As complementary products FLC supplies laser diode collimators, line generator and diffractive / refractive optic elements.

To help our customers in development projects, FLC supplies stand-alone table-top and OEM laser diode drivers, temperature controllers, mounts and appropriate cables.



www.frlaserco.com

Examples of beam shapes available