

Worldwide Representatives



- 1

Benelux
Te Lintelo Systems BV
www.tlsbv.nl
sales@tlsbv.nl
- 2

Italy
Laser Optronic Srl
www.laseroptronic.it
lop@laseroptronic.it
- 3

Baltic States
Photonic Solution UAB
www.photonicsolutions.eu
info@photonicsolutions.eu
- 4

France
Opton Laser International
www.optonlaser.com
contact@optonlaser.com
- 5

UK / Ireland
Lambda Photometrics Ltd.
www.lambdaphoto.co.uk
contact@lambda.co.uk
- 6

Poland
Lambda System
www.lambdasystem.pl
office@lambdasystem.pl
- 7

Scandinavia
Tillquist Group AB
www.tillquist.com
info@tillquist.com
- 8

Czech Republic
OptiXs, s.r.o.
www.optixs.cz
info@optixs.cz
- 9

North-America (Gas Laser)
RPMC Lasers Inc
www.rpmclasers.com
info@rpmclasers.com
- 10

USA / Canada / Mexico / South-America
LASOS Lasertechnik GmbH
www.lasos.com
sales@lasos.com
- 11

China
Beijing Haike Sirui Optoelectrics Instr. Corp.
bjhksr.com
sales@bjhksr.com
- 12

Japan
Japan Laser Corporation
japanlaser.co.jp
jlc@japanlaser.co.jp
- 13

Taiwan
Tayhwa Technology Co., Ltd
tayhwa.com.tw
tayhwa@tayhwa.com.tw
- 14

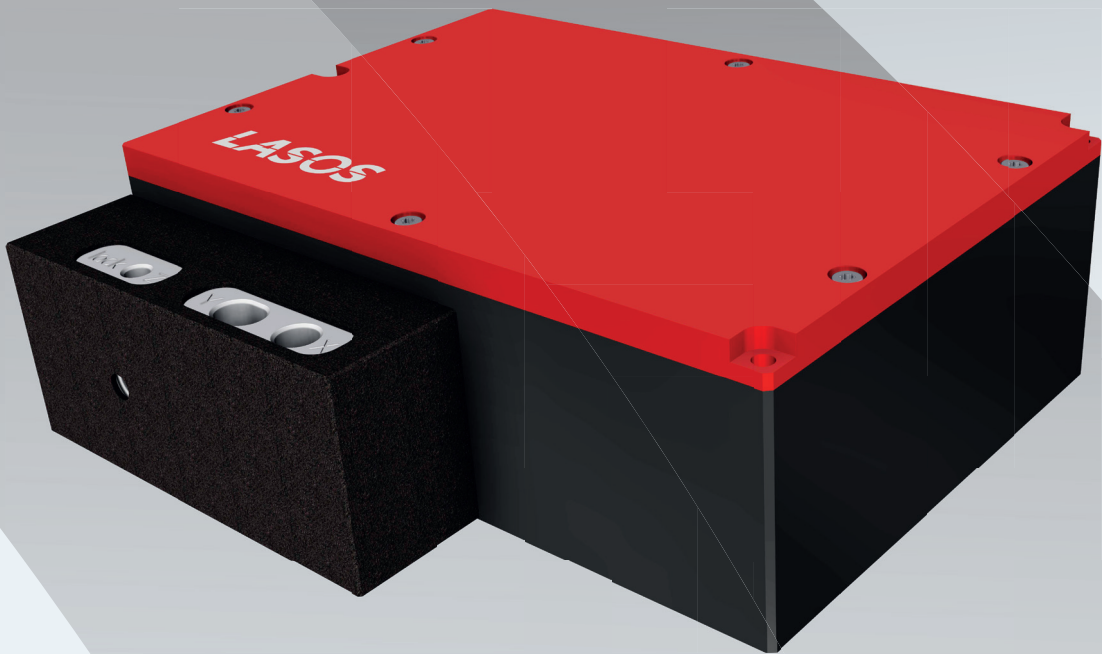
South Korea
DXG Ltd.
dxg.kr
ok@dxg.kr
- 15

Singapore / South East Asia
Simple Technologies Private Limited
simplesg.com
sgadmin2@simplesg.com
- 16

India
Photonics Marketing Company
photonics-marketing.com
info@photonics-marketing.com

MCS LiSA

Compact laser system for reliable flow cytometry measurements



- Large variety of wavelengths from 375 nm to 830 nm
- OEM customization available
- Outstanding long term stability and excellent beam quality
- Reliable and robust, maintenance free and compact design
- Control software and command set
- Firmware integration possible
- Interlock and optional fiber coupling



Compact laser system for reliable flow cytometry measurements

MCS LiSA

LASOS lasers are ideal for flow cytometry, enabling precise analysis and sorting of cells and cell populations.

Through fluorescence and scattering measurements, they allow the investigation of cell volume, size, and structure, with the instrument's precision highly dependent on the light source.

Featuring excellent beam quality, homogeneous intensity distribution, and long-term stability with less than 1 µm spot movement, they provide outstanding CV values through power control and defines the spectrum through overmodulation.

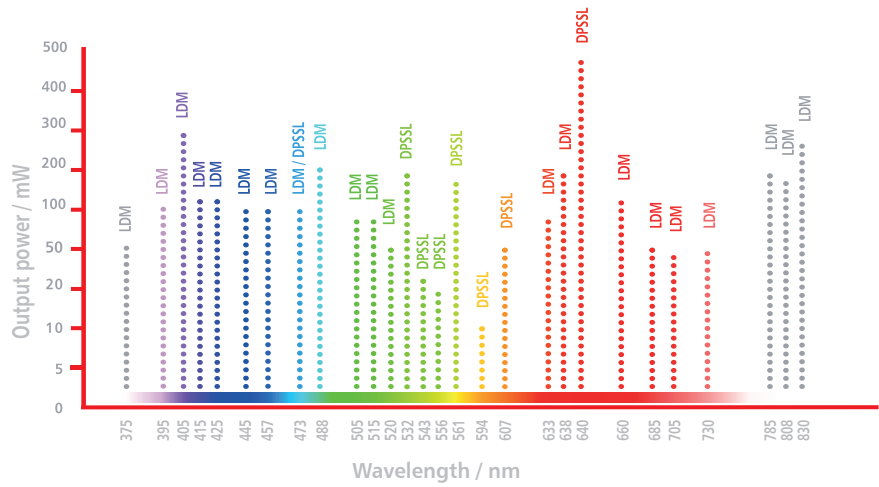
They offer low electrical and optical noise, customizable spot diameters including elliptical formats, and support a broad wavelength range from UV to IR. With RS232 communication, 24V, and a compact footprint (145x127x59 mm), these lasers ensure high intensity and pointing stability while being easy to integrate.

Basic Specifications

Wavelengths (nm)	405, 488, 556, 639,785
Number of possible lasers	4 x LDM laser 1 x DPSSL- XP laser
Output power	50 mW/channel depending on wavelength
Output power stability within 8h	1 %
Noise 30 Hz-10 MHz (%)	< 1.0 % rms
Warm up period	<10 min
Variable spot diameter	down to 10 µm in Y down to 100 µm in X
Spot positions defined to an accuracy of	5 µm
Spot drift	< 1 µm
Sidelobes	< 5 %
Customer adjustment of spot position in a range in all directions	200 µm
Operating voltage	24 V

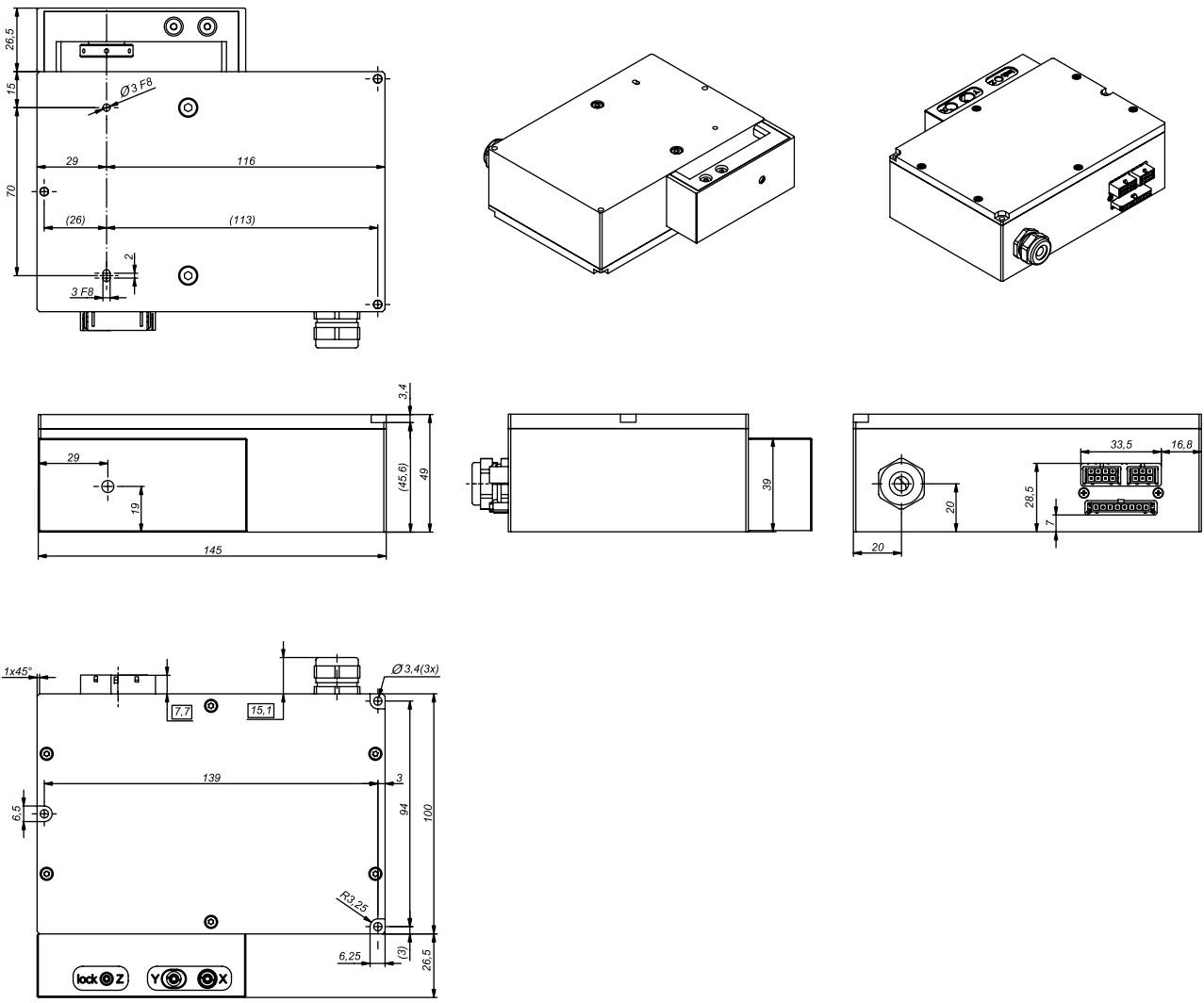
Wavelengths

MCS LiSA - on request



Drawings

MCS LiSA



Accessories

Fiber coupling option for the integration of solid-state lasers

