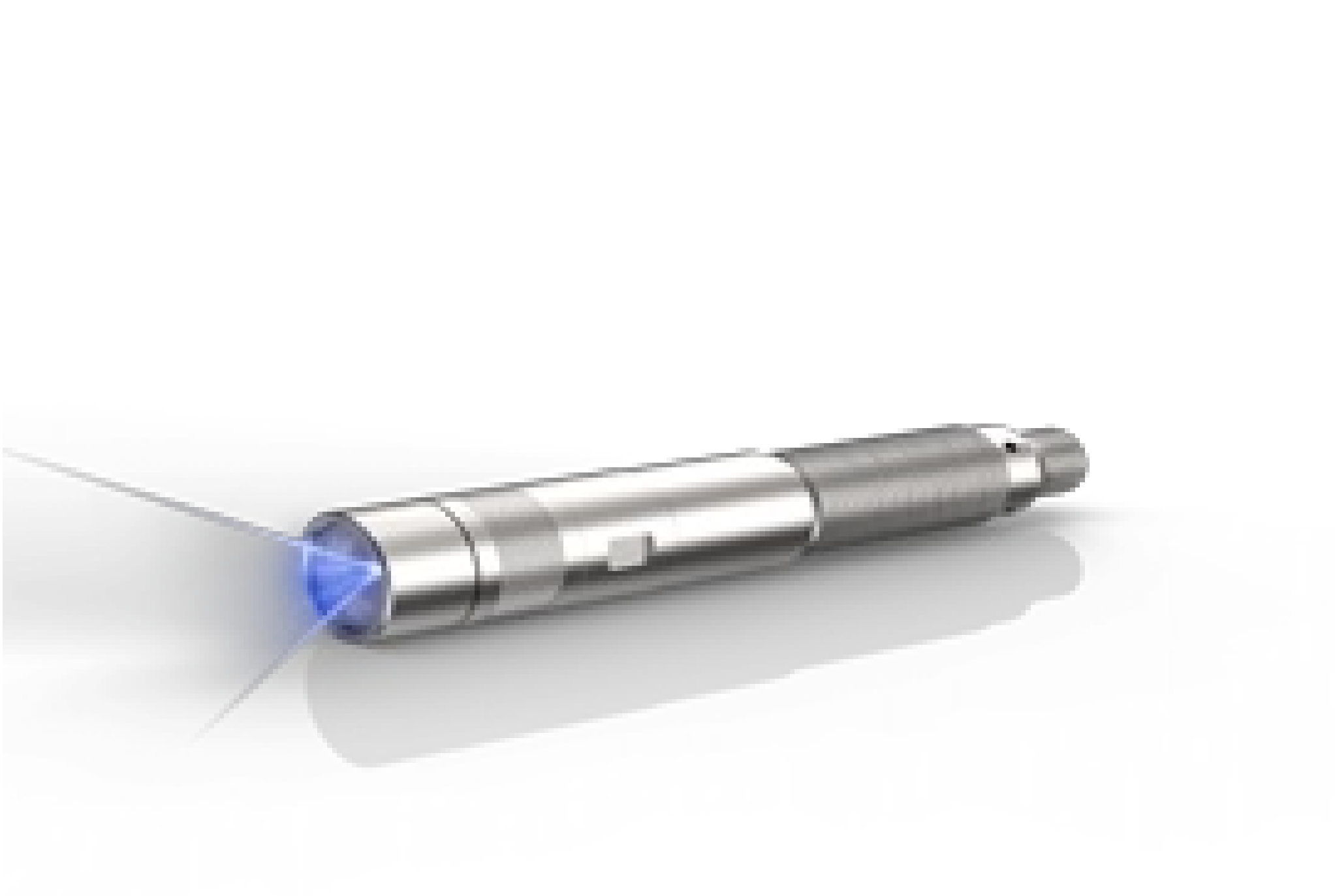


Laser ZX20 450nm 20mW, 45°



Stock **#19-426** [CONTACT US](#)

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1

+

₹1,12,950

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Volume Pricing	
Qty 1-9	₹1,12,950 each
Qty 10+	₹1,01,700 each
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Product Downloads



General

Laser Class - IEC:	
2M	
Note:	
Power Supply: #24-361 M12 Cable: #64-836	
Style:	
Homogeneous Line	
Manufacturer:	
Z-Laser	
Type of Laser:	
Diode	

Laser Class - CDRH:	
II	
Physical & Mechanical Properties	
Weight (g):	
90	
Housing Length (mm):	
97	
Housing Diameter (mm):	
20	
Bore Sighting (mrad):	
<0.8	
Pointing Stability (µrad/°C):	
<10	
Optical Properties	
Wavelength (nm):	
450.00	
Color:	
Blue	
Fan Angle (°):	
45.00	
Focus Range (mm):	
100mm to Collimation	
Electrical	
Output Power (mW):	
20	
Power Stability (%):	
±3	
Modulation Frequency (kHz):	
400	
Hardware & Interface Connectivity	
Output Type:	
Free Space	
Connector:	
5 pins, M12	
Input Voltage (V):	
9 - 30 DC	
Environmental & Durability Factors	
Operating Temperature (°C):	
-10 to +50	
Storage Temperature (°C):	
-40 to +85	
Regulatory Compliance	
Certificate of Conformance:	
View	
Country of Origin:	
Germany	
Imported By:	
Edmund Optics India Private Limited	

Product Details

- Homogenous Intensity Distribution Lines with Fan Angles from 20° to 90°
- IP67 Rated Stainless Steel Housing
- Violet, Blue, Green, and Red Wavelengths Available

Z-Laser ZX20 Focusable Machine Vision Laser Diode Modules feature even-intensity distribution lines in wavelengths from 405 – 660nm for demanding image processing applications. The IP67 rated. stainless steel housings are shock and vibration proof, enabling these laser diode modules to be used in harsh industrial environments. Manually focusable without any additional tools, Z-Laser ZX20 Focusable Machine Vision Laser Diode Modules are ideal for use in measurement and alignment in machine vision, 3D measurement, positioning, and triangulation applications. Additional features include 400kHz TTL modulation for camera synchronization, analog modulation for output power adjustment, and a serial interface for monitoring temperature, laser usage, and failure codes.

Note: M12 connection cable [#64-836](#) is recommended for ease of system integration.

Red wavelengths (640 and 660nm) are most commonly used in machine vision applications, as the quantum efficiency of most camera sensors are optimized for this wavelength range. Violet (405nm), blue (450nm), and green (520nm) are most commonly used with semi-transparent surfaces or with highly reflective surfaces such as polished metal and solder joints. These wavelengths can also be used to create visual contrast on glowing materials such as molten steel.