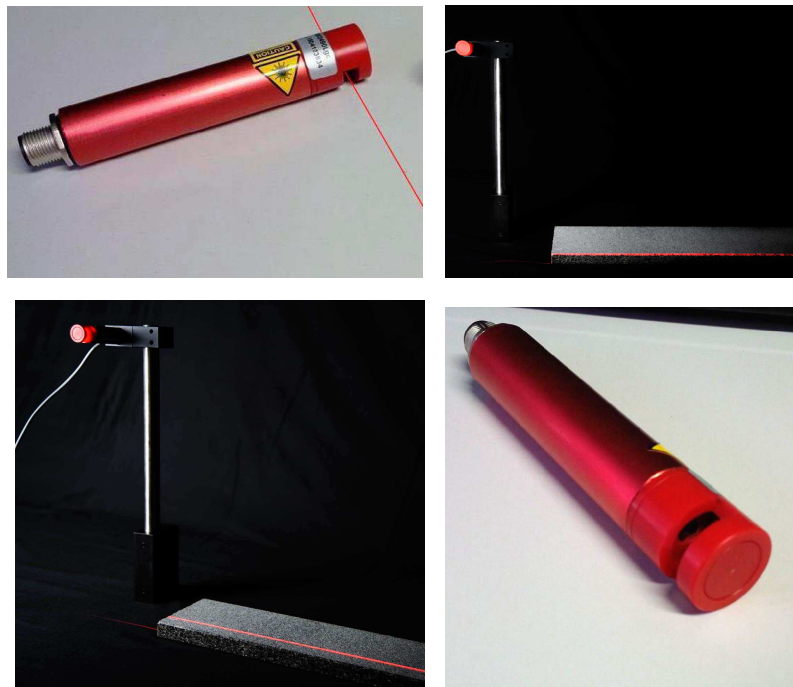




The **IDT3-90°** is a laser module with a slim 20 mm diameter aluminium housing. The particular head at 90 ° allows installation even in situations where it is not possible to mount a laser with front exit. Most often used on clipper for paper or wood cutters. It can project sharp dot or line beams, making it the ideal solution for alignment and positioning applications. It can easily be installed or retrofitted on many types of cutting machinery. It is also reverse-protected, transient-protected and highly resistant to vibrations. The laser beam is focused to minimize spot size and give the sharpest possible projections.



Mechanical specifications		
Projected line length (for IDT3 with line optics)	5 mW	1-2 m
	10 mW	1-4 m
	15 mW	3-5 m
	20 mW	4-7 m
Size	Length	105 mm
	Diameter	20 mm
Protection	IP 67	
Housing	Red anodised aluminium	
Safety	Class 2M	
Environmental Specifications		
Storage temperature	-40 to +85 °C	
Operating temperature	-15 to +50 °C	
MTTF	30'000 - 150'000 h/25°C	
Optical Specifications		
Available wavelengths	405, 450, 520, 635, 650, 670, 808, 830 nm	
Available power outputs	0.9 - 40 mW	
Beam size at aperture	°/e2 60	
Beam divergence	0,8 - 0,5 mRad	
Ray stability	0.01 mRad/°C	
Electrical Specifications		
Supply Voltage	12-24 Vac/Vdc or 4-6 Vdc	
Operating current	Imax from 28 to 140 mA	
Connections	White = + Brown = -	
Reverse polarity protection	Yes	

Accessories



1. Black anodised aluminium mounting bracket, with fixing holes for machine installation.



2. Transformer (input 220-240 VAC; output 5 VDC; 200 mA; stabilized)

*Upon request, the lasers and their accessories can be customised to suit individual needs.

