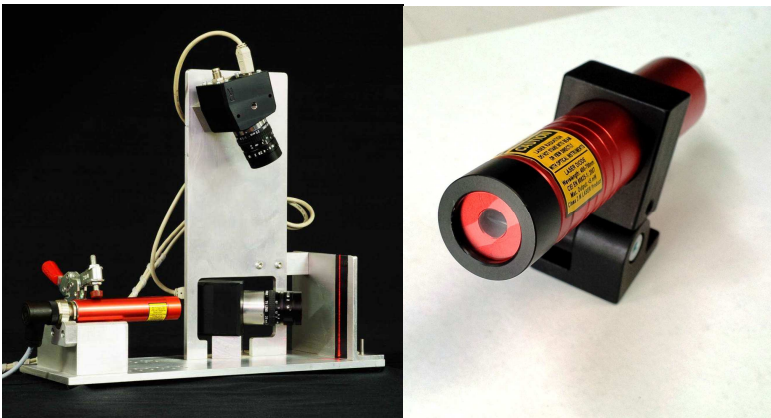
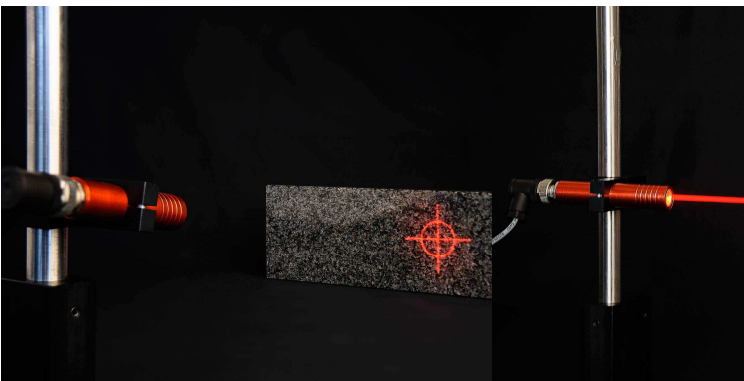




The **IDT3** is a red laser module with a slim 20 mm diameter aluminium housing. It can project sharp dot, line or cross beams, making it the ideal solution for alignment and positioning applications. It can easily be installed or retrofitted on many types of cutting machinery.

The IDT3 has operating voltages of 4-6 Vdc or 12-24 Vac/Vdc. 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, 532, 635, 650, 670, 808, 830 nm	
Available power outputs	0.9–80 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.

