

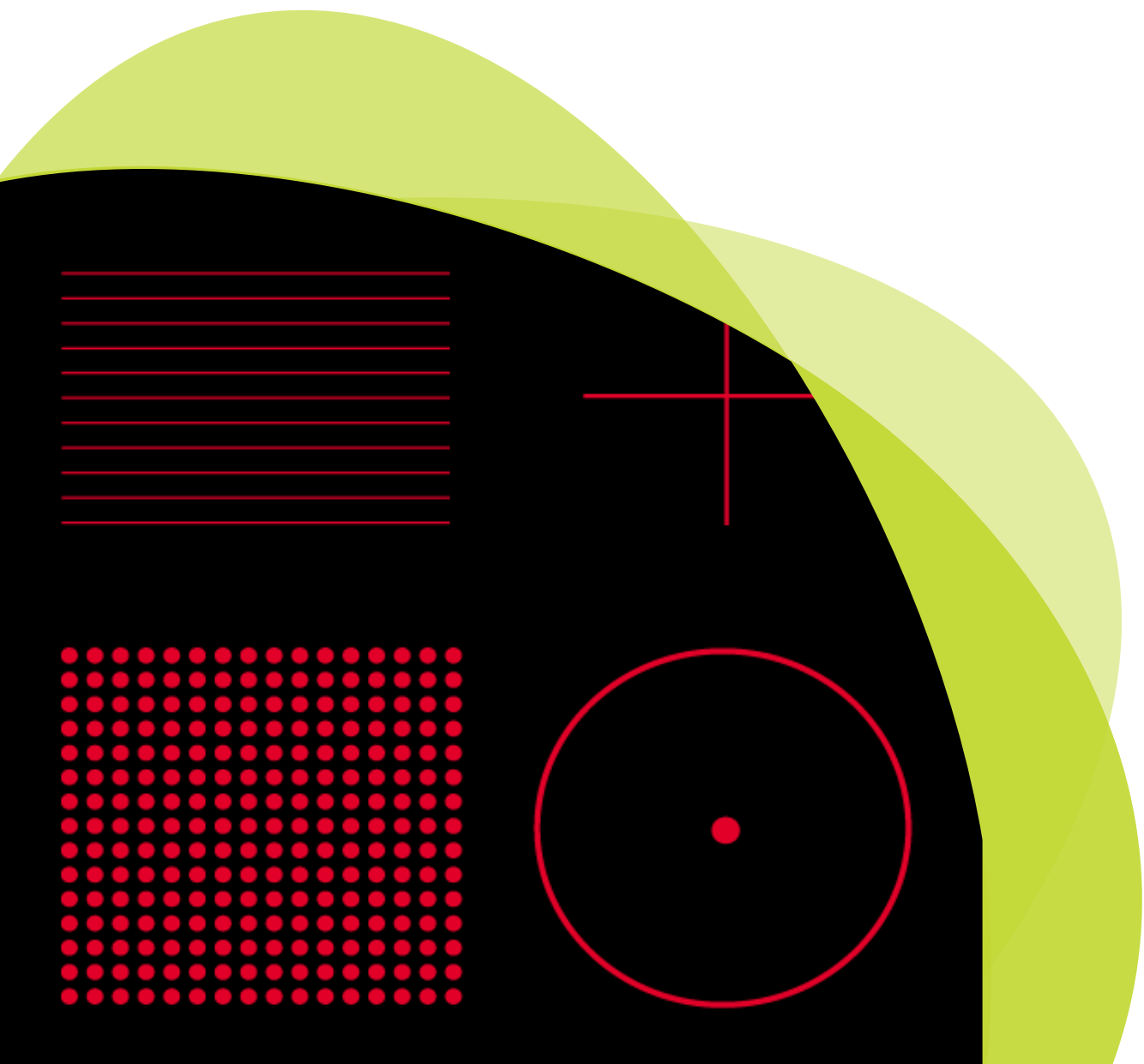


Projection Patterns

premier & acculase modulatable/machine vision lyte mv/dragonfly/
standard cw operation imatronic/laserlyte/laserlyte-flex/guideline/
microblock/hawkeye detector/firefly green/energy efficient/
thread mountable cameo/customised solutions.


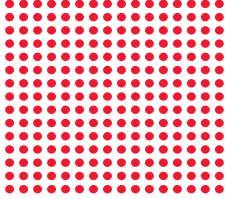

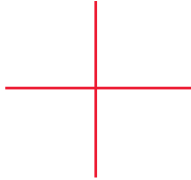
Projection Options.

We offer a range of diffractive optical elements (DOE) to provide various patterns such as crosses, circles & dot arrays for such applications as 3D mapping, surface texture analysis, alignment & general machine vision applications. They are available as standard options for many of our laser diode modules.




Technical Specification.

Below is a overview of the standard projection options that we carry in stock.

Name	Description (Full fan angle @ 635nm *)	Typical interbeam angle @ 635nm *	Image
Circle with dot	Fan Angle: 34° *	N/A	
Dot Array	Options include:		
	11 by 11 (28.5°)	2.64°	
	13 by 13 (6°)	0.33°	
	16 by 16 (7°)	0.35°	
	17 by 17 (7° or 21°)	7° Fan = 0.32° 21° Fan = 0.92°	
	21 by 21 (7°)	0.26°	
Dot Circle	Options Include:		
	1 : 16 Dot circle (11°)	2.08 °	
	1 : 72 Dot Circle (25°)	1.09 °	
Cross	Fan Angles : 5° 10° 15° 25° 37° 45°	N/A	
Circles	5 Circles (28.6°)	2.64 °	
Grid	4 by 4 (4.57°)	1.13°	
	51 by 51 Grid (21°)	0.34°	

Technical Specification.

Name	Description (Full fan angle @ 635nm *)	Vertical fan angle @ 635nm *	interbeam angle @ 635nm *	Image
Multiple Lines	11 Thick Lines (30°)	30°	1.4°	
	11 Thin Lines (30°)	30°	2.98°	
	7 Lines (21.7°)	21.7°	3.55°	
	5 Lines (29°)	5.95°	1.43°	
	7 Lines (7.1°)	4.92°	0.74°	
	5 Lines (13.6°)	13.6°	4.12°	
	25 Lines (26°)	26°	1°	
	65 Lines (17.6°)	17.6°	0.23°	

- Fan and interbeam angle will change with wavelength.
- Lens Material is PMMA or PC
- Other patterns such as round and square viewfinders are available. Please call for availability.
- This range of lenses can also be fitted to other lasers from our standard range of products. Please call for availability.

Quality & Warranty

Our products are supplied with a 12 month parts and labour warranty. And our manufacturing operations are certified to ISO9001.



Distribution in the UK

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The leading supplier of scientific and industrial lasers, optical systems and associated accessories, fibre optic components and instrumentation, and machine vision products.