

LB 1000/1500

Custom designed excimer laser micromachining production tools based on the modular Optec LightBench; tell us what you want to do, get exactly the system you need at the best performance/price ratio available anywhere.



KEY FEATURES

- ❖ Turnkey systems, built to your specification
- ❖ Built-in compact laser & gas supplies
- ❖ Option of large or small lasers
- ❖ Modular LightBench optics support : - easy to reconfigure, guaranteed reproducible results.
- ❖ WYSIWYG optics take out the guesswork, just focus the CCTV image and start machining.
- ❖ Manual or motorized focus/depth control
- ❖ Wide range of part holding/positioning options
- ❖ Wide range of accessories : - configure the system to suit the application.
- ❖ ProcessPower software handles CAD files

APPLICATIONS

- ❖ Polymer machining & trimming
- ❖ Thin film patterning
- ❖ Medical device manufacture
- ❖ Microfluidics
- ❖ OLED
- ❖ Micro milling
- ❖ Micro etching
- ❖ 3D structure generation

PLASTICS-POLYMERS-CERAMICS
METAL-INORGANIC MATERIALS

OPTEC
laser micromachining systems

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Optec,- the full service....

Optec can offer expert advice, study your application, run samples on our in-house systems, provide you with a detailed 3D CAD proposal, including COO(Cost Of Ownership) simulation....

...and provide a top-quality solution at a competitive price!



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CONFIDENTIAL

System Throughput

Estimated process time of the CTR22 modules is estimated in the Excel file, including PFD & waiting

Cost of Ownership - OSD PROD		120	Costs/part		
Item	Life-time	Cost	No of Parts	Cost per 100 Parts	SE = 06 parts/100 parts
Cost-Opt	100000.00	100	81333	0.120	
Spares	500000.00	500	166667	0.167	
Energy	200000.00	2000	166667	0.167	
Software	500000.00	5000	666667	0.333	
Transportation	100000.00	1000	81333	0.203	
Spares	100000.00	1000	81333	0.203	
Imaging	200000.00	2000	166667	0.330	
Software					2.17
Cost per part					5 weeks

Services

System has a total dimension of 2000mm x 1000mm x 1800mm (height approx. 500 to 600mm). The system is running at full capacity at 160 single phase 200-240V a.c.

The laser has a total power of 150W and is capable of supplying 150W at 15-20°C. The laser has a total power of 150W and is capable of supplying 150W at 15-20°C.

Footprint:

Safety/Environment

The system is Class I laser system & CE certified and is installed as a II Class CDH laser system. Power from the system is protected by an optical sensor.

Rod Andrew

