



laser technology at your hand



Cutting  
Laser  
Systems  
**BCL**

 **sisma**

# laser

## BCL



Sisma BCL laser cutting system in its version for linear axes X / Y is designed for high-performance processes and functionality. To ensure a high stability over time, the structure is in tubular steel with electro treatment stress relieved. The cutting features an anti-collision capacitive sensor, capable of ensuring high precision processes in all circumstances: Sisma BCL provides superior performance in terms of speed and quality of cutting. BCL offers great precision even with high acceleration processes and very narrow radial routes. Many options are available, as a system that divide the working area with a mobile column featuring clamps for fastening the sheet on three sides.

**BCL 500**  
**BCL 1000**  
**BCL 300/3000**



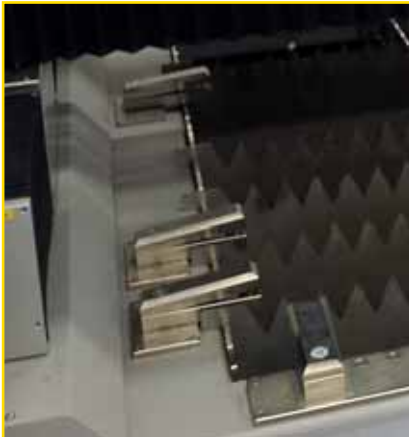
### SPECIFICATIONS

- X and Y axes with linear motors - Z axis on ball screw with pneumatically operated door
- Cutting head with capacitive sensor and collision avoidance system
- PC / IntelliTouch 19" touchscreen monitor - CAD / CAM software for managing cutting path
- Filtering process gas kit - Extractable tray plate without clamps
- Traction and fixing clamps on request - Column with clamps on request
- Collecting box for parts removable and transportable
- Digital kit for gas pressure regulation
- Air suction system is divided into 3 areas of work

### TECHNICAL DATA

Model	BCL 300/3000	BCL 500	BCL 1000
Source type	Fiber	Fiber	Fiber
Output power	300/3000 W	500 W	1000 W
Wave length	1070 nm		
Cooling	No	External	External
Power supply	380V 50/60Hz 3ph		
Overall power consumption	8 KW	9,5 KW	10,5 KW
Maximum sheet size	1250 x 1000 mm		
Working area without clamps X, Y	1250 x 1000 mm		
Working area with optional clamps X, Y	1200 x 975 mm		
Axis precision	0,015 +/- mm		
Axis resolution	0,010 +/- mm		
Max axis speed	60 m/min		
Machine dimensions w x l x h	2300 x 2500 x 2000 mm Without console		
Pulpit dimensions w x l x h	750x750x1500 mm		
Cooling system dimensions w x l x h	600x600x1050 mm		
Total weight	2000 Kg		
Cooling system weight	80 Kg		





Clamp for fixing small pieces



Straining clamp for small thickness



Column with pneumatic clamps for medium / big size plates



Digital pressure regulator



Collecting box for parts removable and transportable



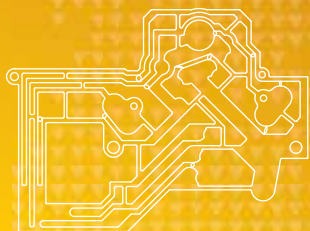
Pull-out shelf with fakir bed



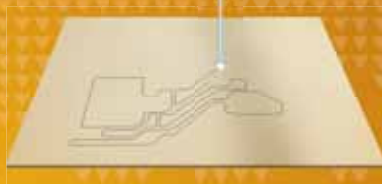
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the project



the cutting



the finished product

# BCL

cutting laser



Precision objects



Laser cutting application



Mechanical guide



Industrial cutting

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