



laser technology at your hand



Cutting
Laser
Systems
MCL

 **sisma**

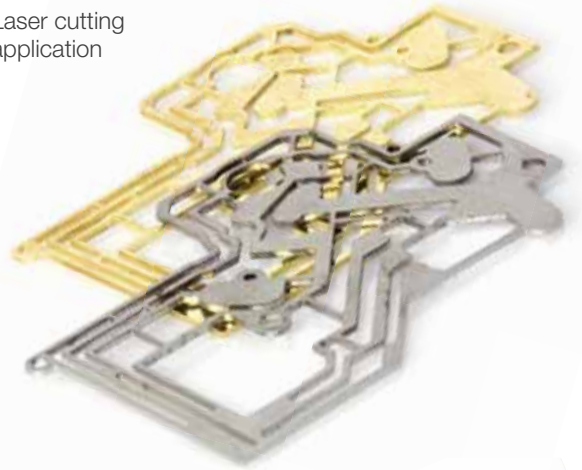


MCL

cutting laser



Laser cutting application



Combined laser cutting / marking application



Combined laser cutting / milling application



laser

MCL



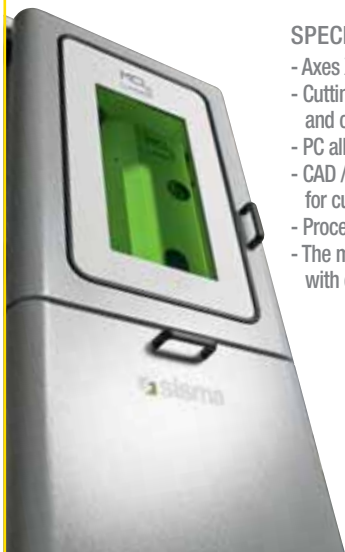
Sisma MCL laser cutting system in its ball screw axis version is designed to process high performance and functionality. To ensure a high stability over time, the structure is in electro-welded tubular steel with stress relieved treatment. The cutting head features anti-collision capacitive sensor, capable of ensuring high-precision processes in all circumstances: Sisma MCL provides significant performance in terms of speed, cut quality and ability to perform work with a high acceleration and high precision even with continuous direction changes. In addition to the standard version, Sisma MCL is suitable as a basis for combined processes machines, combining laser cutting with marking or milling.

Laser cutting

- MCL 500**
- MCL 1000**
- MCL 300/3000**

Combined processes

- MCL cutting/milling**
- MCL utting/marking**



SPECIFICATIONS

- Axes X, Y and Z ball screw
- Cutting head with capacitive sensor and collision avoidance system
- PC all-in-one
- CAD / CAM software for cutting path management
- Process gas filtering kit
- The machinery must be set up with cutting box or plate dragger

TECHNICAL DATA

	MCL 300/3000	MCL 500	MCL 1000
Model			
Source type	Fiber	Fiber	Fiber
Output power	300/3000 W	500 W	1000 W
Wave length	1070 nm		
Cooling	No	External	External
Power supply	230V 50/60Hz 1ph		
Overall power consumption	6 KW	7,5 KW	8,5 KW
Working area for cutting box version X,Y	340 x 350 mm		
Max width with internal motorized plate dragger	max 120 mm		
Max width with external pneumatic plate dragger	max 200 mm		
Axis precision	0,025 +/- mm		
Axis resolution	0,010 +/- mm		
Axis max speed	30 m/min		
Machine dimensions w x l x h	900x1470x2400 mm Without console (L+750 with console)		
Cooling system dimensions w x l x h	600x600x1050 mm		
Total weight	800 Kg		
Cooling system weight	80 Kg		



Front loading cutting box with plate tensioning and locking, pneumatic and manual clamps on fakir bed



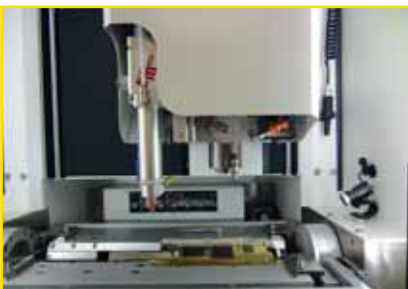
Towing plate also available with adjustable pneumatic loader



Combined application with integrated laser cutting and marker



Capacitive head with collision sensor



Aspiration system divided into work areas



Integrated pieces collection tray



dedicated web page



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