



Possible applications

- synthetic materials
- surface finishing
- micro inscription
- deep inscription
- deep engraving
- colour change
- metals
- wood
- foils

SERIES BL5000

Our experts have concentrated their many years of know-how in the **series BL5000** and re-planned and re-designed the system completely according to the latest state of the art. This series is available for the flexible, industrial use as an extremely flexible laser engraving and inscription machine in professional design. The BL5000 is equipped with a modern maintenance-free fibre laser, which guarantees extremely low running and maintenance cost.

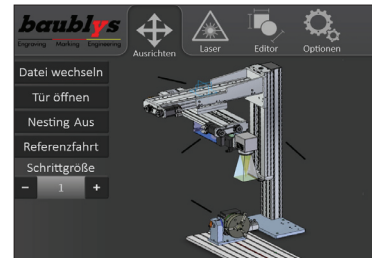
Thanks to a CNC-controlled Z-axis as a standard, the setting of the focus can be done conveniently and within a very short time. The standard touch screen facilitates the operation. As a fully encapsulated machine, the equipment complies with laser protection class 1, which means that no further safety installations are necessary for its operation.

Optionally, the BL5000 series can also be fitted out with alternative laser sources.

SERIES BL5000

HMI Interface

The control and programming software based on Windows 7 system software combines a modern look, decades of experience in the areas of engraving and marking and ensures intuitive and simple programming.

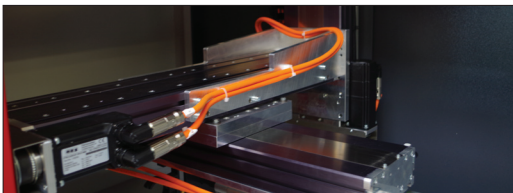


Available from Q2/2015.

Product specification

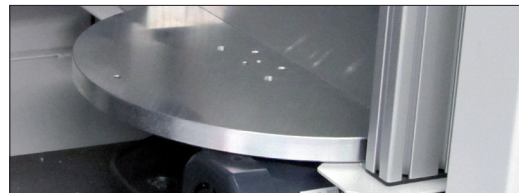
Laser type	UV laser	Green laser	Fibre laser	CO ₂ laser
Wave length	355 nm	532 nm	1064 nm	10,6 µm
Puls rate	10 - 200 kHz	10 - 200 kHz	20 - 200 kHz	cw
Power	3 - 8 W	10 - 20 W	10 - 100 W	10 - 50 W
Inscription area	on request	max. 480 x 480 mm	max. 480 x 480 mm	on request
Control	CNC control			
System software	Windows 7			
Measurements	1.493 x 860 x 1.777 mm (L x W x H)			
Network connection	Yes			

Options



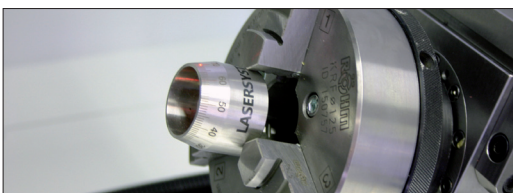
CNC axes

For extending the marking area.



Rotary table

Semi-automatic solutions can be realised. Loading/unloading times are reduced to almost zero.



Indexing attachments

Allows the carrying out of rotative inscriptions. Different versions are available.

Custom devices

To increase the efficiency of the equipment, optional custom devices can be delivered.



Lenses

Different versions make it possible to adapt inscription area and quality.

Further options

- Sign magazine
- Laser pointer
- Extractor systems
- Interfaces
- Camera systems
- Varioscan
- Software options
- QR Code / Datamatrix