



Product portfolio

Laser systems | Contract labeling | Laser for rent





MADE FOR A LONG LIFETIME



Why choose a laser system from beLaser?

beLaser is your specialist for everything about laser marking.

We don't find the right laser - we built it:

Highly durable

High-quality components ensure long operating life and maximum reliability.

Cost-efficient

Specially designed ventilation systems ensure stable laser performance while keeping power consumption to a minimum - **reducing consumption and maintenance costs** and also protecting the environment.

Secure

Laser classification according to European Standard (DIN EN 60825) and the highest safety standards according to PL e (Performance Level) make our systems **the safest of their kind**.

Bulletproof

By default, our **anti-reflection coating** prevents feedback of the often destructive back radiation for the lasers.

Smart

Easy to use and equipped with many extras is our powinterful software belaserMark. **Our** internal software development makes every connection possible.

Support

Before the purchase and especially afterward, our **experienced service team** is available for all questions and concerns about your system. You can also use our sample and set-up service.

Which beam source is best suited for my material?

	Metal	Coatings	Wood	Organic materials	Plastics	Textiles	Glass
	CONTRACTOR OF		The second	Bio	AIRBAG		
Green laser	6	6	\bigotimes	\bigotimes	\checkmark	6	\bigotimes
UV-Laser	6	6	\checkmark	\bigotimes	\checkmark	6	\bigotimes
Fiber laser	\bigotimes	\checkmark	8	×	\checkmark	\bigotimes	6
CO2 Laser	6	\checkmark	\checkmark	\bigotimes	\checkmark	\checkmark	\bigotimes
				(√ Very good	-, Possible	🔀 Not possible

Which laser system is suitable for my beam source?

	LMF compact	Workstation LMG	Workstation LMG IND	Integration laser
Green laser	\bigotimes	\bigotimes	\bigotimes	\bigotimes
UV-Laser	×	\bigotimes	\bigotimes	\bigotimes
Fiber laser	\bigotimes	\bigotimes	\bigotimes	⊘
CO2 Laser	\bigotimes	\bigotimes	\bigotimes	\bigotimes
			-	🗹 Yes 😿 No

Marking software "beLaserMark"

- Own software development for connections of any kind
- Import of all common vector and raster formats
- Creation of barcodes and data matrix formats
- Optimal positioning of the labeling through an integrated camera

Interface connections

SAP/ ERP	I/O Interface
Profinet/ Profibus	APP and Smartphone
EtherNet	TCP/ IP

LMF compact

Texts, logos, vector data, QR- DataMatrix- and bar codes, variable data sets, image engravings

ca. 330 mm x 220 mm

Technical data:

Laser marking system LMF	LMF-20	LMF-30	LMF-130	LMF-M20	LMF-M30	
Laser type	Compact fiber laser					
Wavelength			1064 nm			
Nominal capacity	20 W	30 W	30 W	20 W	30 W	
Pulse rate	1-400 kHz	1-400 kHZ	30-200 kHz	1-2000 kHz	1-2000 kHZ	
Pulse width	200 ns	200 ns	100 ns	1-250 ns	1-250 ns	
Pulse modulation	No	No	No	Yes	Yes	
Laser protection class DIN EN 60825	1					
Cooling system	Air cooling					
Operating temperature	10-40 °C					
Power connection	230 ∨					
Power consumption	300 W					

Add-ons

Rotation unit

	The component height depends on the lens.				
	Labeling field	Component height	\bigcirc		
	70 mm x 70 mm	max. 230 mm			
11.	100 mm x 100 mm	max. 150 mm			
$ \qquad $	150 mm x 150 mm	max. 80 mm			
	er→ Other lal	Other labeling field sizes are possible.			

Workstation LMG

Texts, logos, vector data, QR- DataMatrix- and bar codes, variable data sets, image engravings

Technical data:

Laser marking system LMG	LMG-20	LMG-30	LMG-50	LMG-M20	LMG-M30
Laser type			Fiber laser		
Wavelength	1064 nm				
Nominal capacity	20 W	30 W	50 W	20 W	30 W
Pulse rate	1-400 kHz	1-400 kHZ	1-400 kHz	1-4000 kHz	1-4000 kHZ
Pulse width	200 ns	200 ns	200 ns	1-350 ns	1-350 ns
Pulse modulation	No	No	No	Yes	Yes
Laser protection class DIN EN 60825			1		
Cooling system	Air cooling				
Operating temperature	10-40 °C				
Power connection	230 V				
Power consumption	300 W	300 W	350 W	300 W	300 W

Add-ons

Technical data for Green-, UV- and CO2 Lasers differ.

Individual Workstation

Texts, logos, vector data, QR- DataMatrix- and bar codes, variable data sets, image engravings

Technical data:

		1	1	1	1		
Laser marking system LMG-IND	LMG-IND 20	LMG-IND 30	LMG-IND 50	LMG-IND M20	LMG-IND M30		
Laser type		Fiber laser					
Wavelength	1064 nm						
Nominal capacity	20 W	30 W	50 W	20 W	30 W		
Pulse rate	1-400 kHz	1-400 kHZ	1-400 kHz	1-4000 kHz	1-4000 kHZ		
Pulse width	200 ns	200 ns	200 ns	1-350 ns	1-350 ns		
Pulse modulation	No	No	No	Yes	Yes		
Laser protection class DIN EN 60825	1						
Cooling system	Air cooling						
Operating temperature	10-40 °C						
Power connection			230 V				
Power consumption	300 W	300 W	350 W	300 W	300 W		
A del anno			Technical	data for Green-, UV-	and CO2 Lasers differ.		

Add-ons

Further information

= IF

Integration laser

Texts, logos, vector data, QR- DataMatrix- and bar codes, variable data sets, image engravings

Lightweight construction

Individual

Technical data:

Laser marking system LMI	LMI-20	LMI-30	LMI-30	LMI-M30	LMI-M30	
Laser type	Fiber laser					
Wavelength	1064 nm					
Nominal capacity	20 W	30 W	30 W	20 W	30 W	
Pulse rate	1-400 kHz	1-400 kHZ	30-200 kHz	1-2000 kHz	1-2000 kHZ	
Pulse width	200 ns	200 ns	100 ns	1-250 ns	1-250 ns	
Pulse modulation	No	No	No	Yes	Yes	
Laser protection class DIN EN 60825			4			
Cooling system			Air cooling			
Operating temperature	10-40 °C					
Power connection	230 ∨					
Power consumption	300 W					
			Technical	data for Green-, UV-	and CO2 Lasers diffe	

• "Marking on the fly" System

The LMI laser can also mark products while they are in motion. Our powerful hardware and software ensure accurate conversion and enable belt speeds of up to **500 m/min.**

		Labeling field	Component height		
	<u></u>	customized			
= 	← beLaser→ ↓ = = = = 	The compo	nent height depends on the lens.		

Customized laser system

Texts, logos, vector data, QR- DataMatrix- and bar codes, variable data sets, image engravings

Precise & efficient

Lateral load through

- Simplified handling
- Side brush curtain for "marking on the fly" system or long components
- Precise object detection

X/Y/Z portal

- Up to two additional axes X / Y for positioning
- Extremely high positioning capability
- Enalrferde labelling field

Rotation unit

- Rotation device for 360° all-round marking
- Flexible clamping units
- Software controlled positioning

Roboter handling 🧅

- 4- to 6-axis robot
- The Laser head can be freely guided in the laser cabin
- Almost every angle of your product can be reached

Support & Service

Texts, logos, vector data, QR- DataMatrix- and bar codes, variable data sets, image engravings

Fine dust extraction

Some laser marking processes release fine dust particles in the laser cabin, which are at best extracted directly. Fine dust particles are invisible to the human eye and that is why they are so dangerous - a fine dust extraction system can provide a quick remedy.

Mobile fine dust extraction

- Efficient filter unit with 3 filter stages: Pre-filter, main filter, and activated carbon filter
- Very low noise level (<50 dB (A)) due to quiet continuous turbine
- 10-stage-control
- Optical and acoustic signal when the filter is saturated

More fine dust extraction systems are available.

We are here for you!

360 ° Laser Marking Package

- Configuration and analysis of requirements
- Practical training directly at the unit by our experienced technical staff
- Our service team is also available to answer your questions after the purchase
- Possible deployment of replacement units

Get your non-binding consultation now!

Please feel free to contact us for an initial consultation without obligation and free of charge. If required, we can also visit your production facility and can perform an on-site check.

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