

# Discover our laser machines!

BRM provides the best affordable laser machines  
for every industry.



Ideal for  
**creative use and  
production!**







for  
like  
ever

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# Laser cutting and engraving



Ideal for  
creative use and  
production!

## BRM Pro

Time for a change! That's what we were looking for. 'How can we translate the lessons of installing thousands of laser machines in the field into an innovative BRM product?' Our very own design. A pro version of our BRM Originals. With the absolute best possible offer in our current market segment. That was the aim for the development of our BRM Pros.

Laser machines with a unique mechanical build, including fully renewed dust-free guiding rails,

ensuring unprecedented stability.

Stability allowing us to integrate more powerful motors, increasing the working speed of the machines.

Win, win, win!

And not only have we evaluated the hardware side for optimizations. We've also chosen to implement LightBurn, an all-American software solution, which improves the user-friendliness of the Pros. All to ease the process of turning an idea and a drawing into the desired end result! By also standardising

an ultrasonic autofocus, software-controlled filter regulator and timed exhaust shutdown, the usability has been further enhanced. Cutting your end products is now made even easier and more accurate.

All Pros come with a 2-year full warranty and software updates. And last but not least: these machines are equipped with Siemens safety components. Complying with the highest safety standards and rated laser class 1. The ultimate offer, doing us proud. Our Pro!





# Technical information

Within our Pro series we offer 4 models. The Pro 600, Pro 900, Pro 1300 and Pro 1600. Machines in different sizes and with varying power sources. All suited for both production work and creative prototyping, with similar top accuracy across the entire range.



Model	Pro 600	Pro 900
Work area W × D × H	600 × 400 × 200 mm	900 × 600 × 200 mm
Maximum table load	200 kg	200 kg
Size W × D × H	1600 × 1000 × 1200 mm	1750 × 1200 × 1200 mm
Weight	450 kg	550 kg
Electrical load	2 × 230 VAC, 50 Hz, max. 2,3 kW (10 A)	
Possible connections	USB-cable and network	
Climate	17-23°C, 50-60%	
Laser class	Laser class 1	
Air supply	Air supply unit with software-controlled valve per layer	
Autofocus	Ultrasonic autofocus	
Red pointer	Added to the laser beam's path	
Turn-off delay	Automatic start-up and delayed shut-down of the exhaust with every task	
Maximum speed	1500 mm/s X-axis, 800 mm/s Y-axis, 60 mm/s maximum recommended cutting speed*	
Maximum acceleration	20.000 mm/s <sup>2</sup> X-axis, 4000 mm/s <sup>2</sup> Y-axis	
Accuracy	0,1 mm cutting, 420 dpi engraving*	
Laser power	75-80 W	90-100 W
Maximum cutting capabilities (at optimal power load)	10 mm acrylic, 5 mm MDF	15 mm acrylic, 6 mm MDF
Optimal power load	12-85%	
Life expectancy	≥ 10.000 hours at optimal power load	
Included optics	50,8 mm and 101,6 mm	

\*= The accuracy of all results depends on the chosen material and the combination of speed and power. After extensive testing, we deliberately choose these attainable values, which we stand behind 100%.

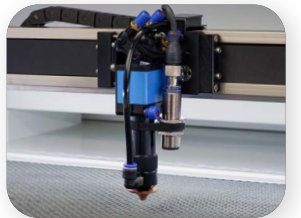
Every Pro is delivered with our BRM quality checklist and includes all the components needed to get started and use the machine as optimally as possible: A water chiller, air pump, autofocus, red pointer, software-controlled filter regulator, timed exhaust shutdown, non-filtering fume extractor, honeycomb and slat table, LightBurn software, maintenance set, our manual and two lenses.

We will guide you! With every installation, you get a training on operating and maintaining the machine by a certified BRM mechanic. And if you really want to outperform the competition we can arrange professional application training with BRM certified instructors to gain knowledge of all the different ways that you can profit from your BRM Pro laser.

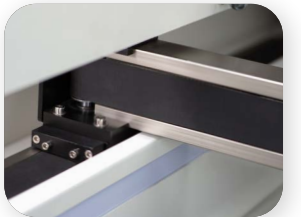


Model	Pro 1300	Pro 1600
Work area W × D × H	1300 × 900 × 200 mm	1600 × 1000 × 200 mm
Maximum table load	200 kg	200 kg
Size W × D × H	2000 × 1500 × 1200 mm	2200 × 1600 × 1200 mm
Weight	650 kg	750 kg
Electrical load	2 × 230 VAC, 50 Hz, max. 2,3 kW (10 A)	
Possible connections	USB-cable and network	
Climate	17-23°C, 50-60%	
Laser class	Laser class 1	
Air supply	Air supply unit with software-controlled valve per layer	
Autofocus	Ultrasonic autofocus	
Red pointer	Added to the laser beam's path	
Turn-off delay	Automatic start-up and delayed shut-down of the exhaust with every task	
Maximum speed	1500 mm/s X-axis, 800 mm/s Y-axis, 60 mm/s maximum recommended cutting speed*	
Maximum acceleration	20.000 mm/s <sup>2</sup> X-axis, 4000 mm/s <sup>2</sup> Y-axis	
Accuracy	0,1 mm cutting, 420 dpi engraving*	
Laser power	90-100 W / 130-150 W	
Maximum cutting capabilities (at optimal power load)	90-100 W: 15 mm acrylic, 6 mm MDF 130-150 W: 20 mm acrylic, 8 mm MDF	
Optimal power load	12-85%	
Life expectancy	≥ 10.000 hours at optimal power load	
Included optics	50,8 mm and 101,6 mm	

\*\*= 1. Will run on Windows 7.0 or later, 32 or 64 bit, MacOS 10.11 or later, or 64 bit Linux.  
2. Can be used to send instructions to several machines from one single workstation.



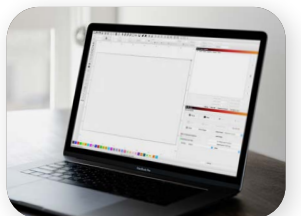
Hovering optic head with ultrasonic autofocus



Dust-free guiding rails



Siemens safety components

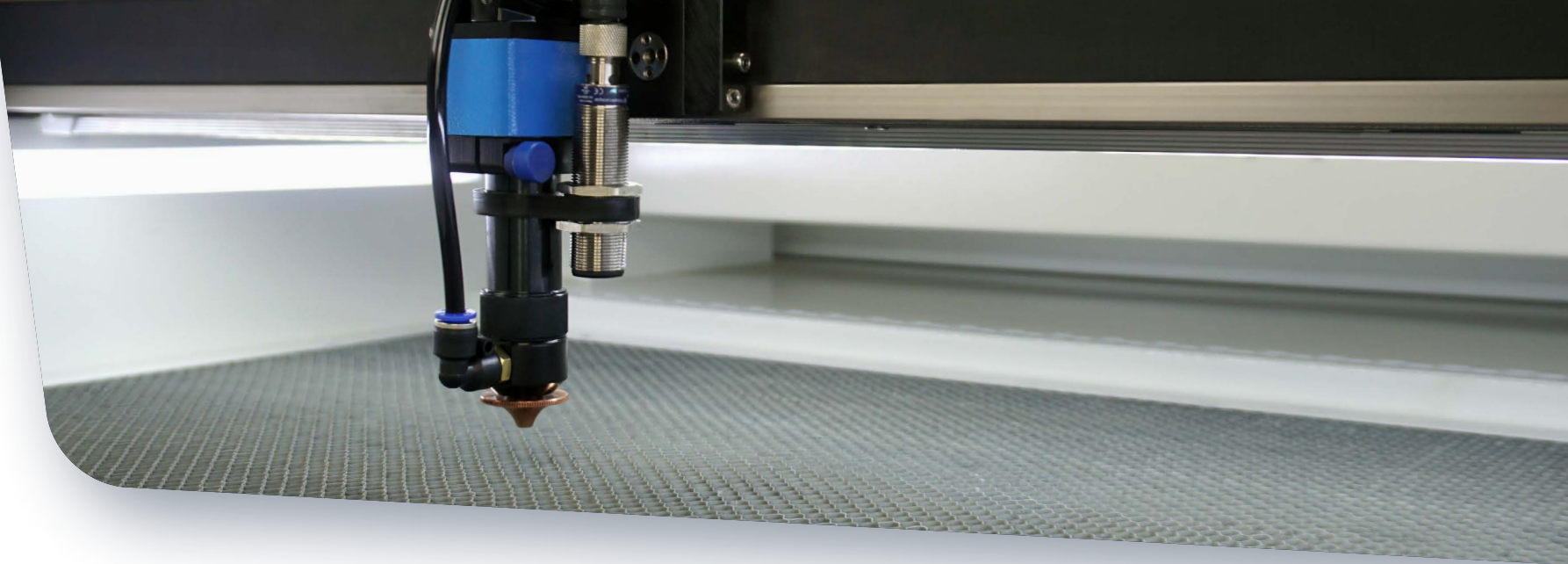


Fully functional LightBurn CAD/CAM software included\*\*

# Machine configuration

## BRM Pro

Pro 600	80 W	400 × 600 mm
Pro 900	100 W	600 × 900 mm
Pro 1300	100 W	900 × 1300 mm
Pro 1300	150 W	900 × 1300 mm
Pro 1600	100 W	1000 × 1600 mm
Pro 1600	150 W	1000 × 1600 mm



## Extras

<b>Rotation unit</b>	Roller rotation with claw	
<b>Filtration</b>	BRM Extractor M	
	Suitable for Pro 600 and Pro 900	Replacement filters*: Pre Combined
	BRM Extractor L	
	Suitable for Pro 1300	Replacement filters*: Pre Combined
	BRM Extractor XL	
	Suitable for Pro 1600	Replacement filters*: Pre Combined
<b>Optics**</b>	63,5 mm	



Roller rotation with claw



BRM Extractor M, BRM Extractor L and BRM Extractor XL



Replacement filters

## Processable materials

	Cutting	Engraving
Metal (blanc)		●
Coated metals (paint, anodised)		●
Felt and foam	●	●
Glass and mirror		● / ●
Wood	●	●
Cardboard and hardboard	●	●
Ceramics and porcelain		● / ●
Cork	●	●
Leather	●	●
MDF	●	●
Multiplex	●	●
Natural stone, granite and marble		● / ●
Gaskets	●	
Paper	●	●
Textile	●	●
Trespa		●

## Synthetics

	Cutting	Engraving
Acrylics, plexiglass, PMMA	●	●
Polyester	●	
Polypropylene	●	●
Polystyrene	●	
PVC and PVC-containing synthetics	●	●
And many more!		

## Popular materials

- ✓ Acrylics
- ✓ Wood
- ✓ Coated metals

● = Can be processed with our machines.

● = Needs laser spray to get a distinctive visible marking effect.

● = Contains toxics and can't be processed with our machines.

\*= After a period of time, the filters have to be replaced. This depends on the work amount and materials used.  
\*\*= An additional lens shaft is required.

Visit our website for the entire list of processable materials and videos showing how they are being processed by our laser machines! [brmlasers.com](http://brmlasers.com)



# Laser cutting and engraving



## BRM Slim

'How are we going to counter the massive influx of cheap, unsafe Chinese machines?' That was the challenge we needed to address. With the alarming signs from the market clearly indicating importers are increasingly supplying unsafe and unreliable machines, we truly felt something had to be done.

We decided to develop the best possible base product in the market. A series of lasers suited for a smaller budget, yet with the most optimal European safety standards. Eliminating the risk of needing to

purchase a laser that could possibly be unsafe. Rated the highest safety standard: laser class 1. Along with a 2-year full warranty and software updates, this is a unique offer in the market. Not our own design, but the strongest basic machine. Further developed from our ten-year experience. Machines provided with quality base components, ensuring safe and consistent machine operation. Every BRM Slim is upgradable with extras. A BRM extractor for optimal fume filtration.

Or an ultrasonic autofocus, software-controlled filter regulator or timed exhaust shutdown. Making these machines trustworthy partners to be used in various schools, in fab labs and for start-ups in maker industries.

Not the cheapest, but the best possible offer on the lower end of the market. A machine that meets all European standards, both in safety and quality, ensuring full reliability.

A solid and reliable choice.



# Technical information

Within our Slim series we offer 4 models. The Slim 600, Slim 900, Slim 1300 and Slim 1600. Machines in different sizes and with varying power sources. All suited for both production work and creative prototyping, with similar accuracy across the entire range.



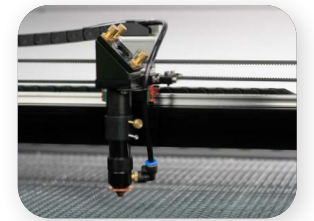
Model	Slim 600	Slim 900
Work area W × D × H	600 × 400 × 180 mm	900 × 600 × 180 mm
Maximum table load	80 kg	80 kg
Size W × D × H	1600 × 960 × 1320 mm	1600 × 1200 × 1320 mm
Weight	350 kg	450 kg
Electrical load	2 × 230 VAC, 50 Hz, max. 2,3 kW (10 A)	
Possible connections	USB-cable and network	
Climate	17-23°C, 50-60%	
Laser class	Laser class 1	
Red pointer	Added to the laser beam's path	
Maximum speed	800 mm/s X-axis, 600 mm/s Y-axis, 40 mm/s maximum recommended cutting speed*	
Maximum acceleration	15.000 mm/s <sup>2</sup> X-axis, 2000 mm/s <sup>2</sup> Y-axis	
Accuracy	0,1 mm cutting, 420 dpi engraving*	
Laser power	75-80 W	90-100 W
Maximum cutting capabilities (at optimal power load)	10 mm acrylic, 5 mm MDF	15 mm acrylic, 6 mm MDF
Optimal power load	12-85%	
Life expectancy	≥ 10.000 hours at optimal power load	
Included optics	50,8 mm	



Model	Slim 1300	Slim 1600
Work area W × D × H	1300 × 900 × 180 mm	1600 × 1000 × 180 mm
Maximum table load	80 kg	80 kg
Size W × D × H	2000 × 1500 × 1320 mm	2200 × 1600 × 1320 mm
Weight	550 kg	650 kg
Electrical load	2 × 230 VAC, 50 Hz, max. 2,3 kW (10 A)	
Possible connections	USB-cable and network	
Climate	17-23°C, 50-60%	
Laser class	Laser class 1	
Red pointer	Added to the laser beam's path	
Maximum speed	800 mm/s X-axis, 600 mm/s Y-axis, 40 mm/s maximum recommended cutting speed*	
Maximum acceleration	15.000 mm/s <sup>2</sup> X-axis, 2000 mm/s <sup>2</sup> Y-axis	
Accuracy	0,1 mm cutting, 420 dpi engraving*	
Laser power	90-100 W / 130-150 W	
Maximum cutting capabilities (at optimal power load)	90-100 W: 15 mm acrylic, 6 mm MDF 130-150 W: 20 mm acrylic, 8 mm MDF	
Optimal power load	12-85%	
Life expectancy	≥ 10.000 hours at optimal power load	
Included optics	50,8 mm	

Every Slim is delivered with our BRM quality checklist and includes all the components needed to get started with the machine: A water chiller, air pump, red pointer, non-filtering fume extractor, honeycomb table, LightBurn software, maintenance set, our manual and one lens.

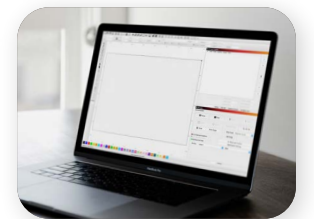
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Hovering optic head



Siemens safety components



Fully functional LightBurn CAD/CAM software included\*\*

\*= The accuracy of all results depends on the chosen material and the combination of speed and power. After extensive testing, we deliberately choose these attainable values, which we stand behind 100%.

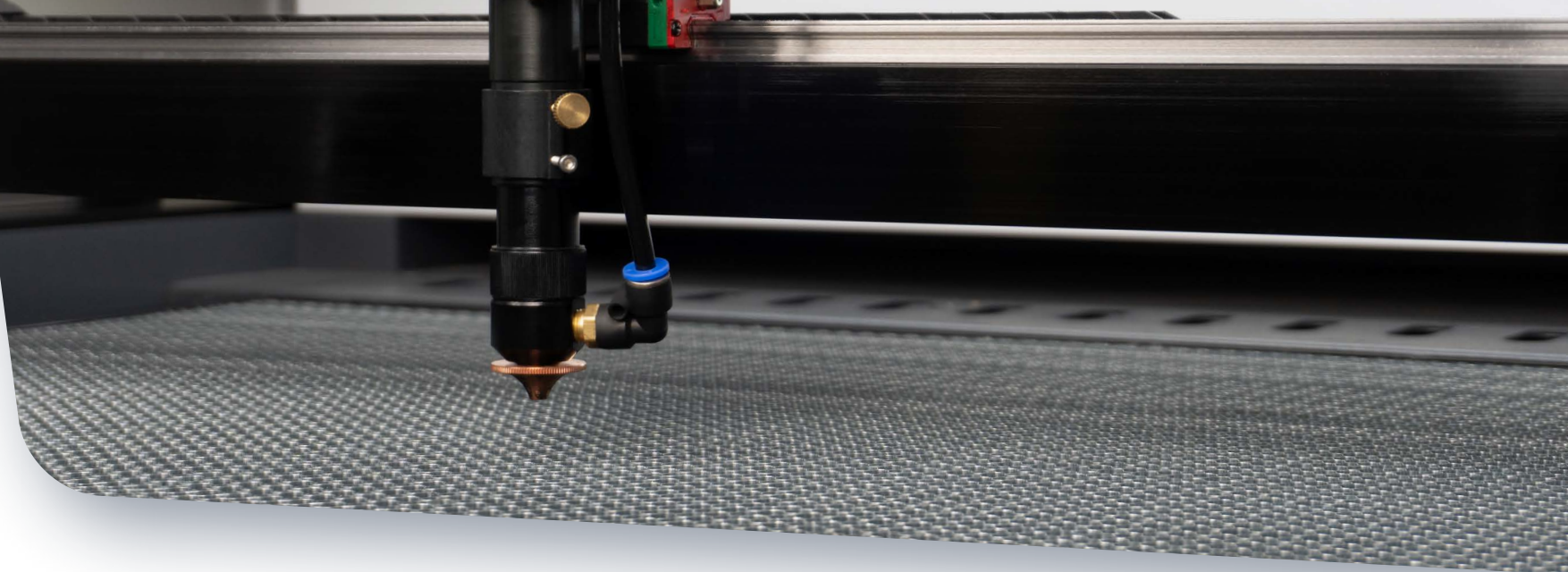
\*\*= 1. Will run on Windows 7.0 or later, 32 or 64 bit, MacOS 10.11 or later, or 64 bit Linux.  
2. Can be used to send instructions to several machines from one single workstation.



# Machine configuration

## BRM Slim

Slim 600	80 W	400 × 600 mm
Slim 900	100 W	600 × 900 mm
Slim 1300	100 W	900 × 1300 mm
Slim 1300	150 W	900 × 1300 mm
Slim 1600	100 W	1000 × 1600 mm
Slim 1600	150 W	1000 × 1600 mm



## Extras

Rotation unit	Roller rotation with claw
Air supply	Software-controlled filter regulator
Autofocus	Ultrasonic autofocus
Turn-off delay	Timed exhaust shutdown
Slat table	Slim 600
	Slim 900
	Slim 1300
	Slim 1600

Filtration	BRM Extractor M
	Suitable for Slim 600 and Slim 900
	Replacement filters*: Pre Combined

	BRM Extractor L
	Suitable for Slim 1300
	Replacement filters*: Pre Combined

	BRM Extractor XL
	Suitable for Slim 1600
	Replacement filters*: Pre Combined

Optics**	63,5 mm
	101,6 mm



Roller rotation with claw



BRM Extractor M, BRM Extractor L and BRM Extractor XL



Replacement filters

Processable materials	Cutting	Engraving
Metal (blanc)		●
Coated metals (paint, anodised)		●
Felt and foam	●	●
Glass and mirror		● / ●
Wood	●	●
Cardboard and hardboard	●	●
Ceramics and porcelain		● / ●
Cork	●	●
Leather	●	●
MDF	●	●
Multiplex	●	●
Natural stone, granite and marble		● / ●
Gaskets	●	
Paper	●	●
Textile	●	●
Trespa		●

Synthetics	Cutting	Engraving
Acrylics, plexiglass, PMMA	●	●
Polyester	●	
Polypropylene	●	●
Polystyrene	●	
PVC and PVC-containing synthetics	●	●
And many more!		

## Popular materials

- ✓ Acrylics
- ✓ Wood
- ✓ Coated metals

● = Can be processed with our machines.

● = Needs laser spray to get a distinctive visible marking effect.

● = Contains toxics and can't be processed with our machines.

\* = After a period of time, the filters have to be replaced. This depends on the work amount and materials used.

\*\* = An additional lens shaft is required.

Visit our website for the entire list of processable materials and videos showing how they are being processed by our laser machines! [brmlasers.com](http://brmlasers.com)

# Laser cutting and engraving



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creative use and  
production!

## BRM Open Bed



Experience shows that an enclosed laser meets the needs of most of our new BRM clients. To create their first items and start production. To get to know the technology. But then...

Once production takes off and the machine starts working overtime, we often receive the request on how to expand. Expand into a second machine or a machine that can handle larger sheet material. And that is where our Open Beds come into play. By - literally - having an open

bed these machines are capable of processing large plastic, MDF or multiplex sheets. Bearings ensure easy loading and unloading of the material, making these lasers perfectly suited for interior designers, large acrylic processors and signmakers.

The laser source moves along the entire work area on a mobile axis. This ensures stable results, despite the large size of the worktable. Guaranteeing the sharpest engravings and flawless cutting lines.

By default, all Open Beds come with a 2-year full warranty and software updates. Several extras are available. Upgrades clearly adding value for certain applications. Such as a top extraction unit for frequent engravers. Or the software-controlled filter regulator when primarily working with soot-forming materials. These options ensure enhanced operator comfort and improved end results.

This makes our Open Bed laser the ideal machine to increase and enlarge production capacity.





# Technical information

Within our Open Bed series we offer 2 models. The Open Bed 2500 and Open Bed 3000. Machines in different sizes and with varying power sources. Incredibly suited for larger sheet material processing, with top accuracy for both models.



Model	Open Bed 2500	Open Bed 3000
Work area W × D × H	1300 × 2500 × 30 mm	1500 × 3000 × 30 mm
Size W × D × H	1890 × 3460 × 1150 mm	2090 × 4260 × 1150 mm
Weight	1200 kg	1600 kg
Electrical load	90-100 W: 230 VAC, 50 Hz, 2,3 kW (incl. accessories 3,2 kW) 130-150 W: 230 VAC, 50 Hz, 2,5 kW (incl. accessories 3,4 kW)	
Possible connections	USB-cable, USB-stick, network	
Climate	17-23°C, 50-60%	
Laser class	Laser class 4	
Maximum speed	600 mm/s X-axis, 200 mm/s Y-axis, 25 mm/s maximum recommended cutting speed*	
Maximum acceleration	4000 mm/s <sup>2</sup> X-axis, 500 mm/s <sup>2</sup> Y-axis	
Accuracy	0,1 mm cutting, 420 dpi engraving*	
Laser power	90-100 W / 130-150 W	
Maximum cutting capabilities (at optimal power load)	90-100 W: 15 mm acrylic, 6 mm MDF 130-150 W: 20 mm acrylic, 8 mm MDF	
Optimal power load	12-85%	
Life expectancy	≥ 6000 hours at optimal power load	
Included optics	63,5 mm and 101,6 mm	

Every Open Bed is delivered with our BRM quality checklist and includes all the components needed to get your production going: A water chiller, air pump, two non-filtering fume extractors, LightBurn software, maintenance set, our manual and two lenses.

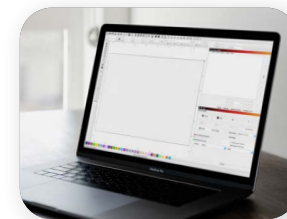
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Hovering optic head



Transfer bearings



Fully functional LightBurn CAD/CAM software included\*\*



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# Machine configuration

## BRM Open Bed

Open Bed 2500	100 W	1300 × 2500 mm
Open Bed 2500	150 W	1300 × 2500 mm
Open Bed 3000	100 W	1500 × 3000 mm
Open Bed 3000	150 W	1500 × 3000 mm



## Extras

**Air supply** Software-controlled filter regulator

**Fume exhaust** Top extraction unit

Top extraction unit requires one of these two:  
Fume extractor  
BRM Extractor M+ €2.497,50

**Filtration** BRM Extractor XXL

Suitable for Open Bed 2500	Replacement filters*: Pre Combined
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BRM Extractor XXXL

Suitable for Open Bed 3000	Replacement filters*: Pre (2 pcs.) mbined (2 pcs.)
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Software-controlled filter regulator



BRM Open Bed +  
Top extraction unit +  
BRM Extractor M



BRM Extractor XXL  
and BRM Extractor XXXL

## Processable materials

	Cutting	Engraving
Metal (blanc)		●
Coated metals (paint, anodised)		●
Felt and foam	●	●
Glass and mirror		● / ●
Wood	●	●
Cardboard and hardboard	●	●
Ceramics and porcelain		● / ●
Cork	●	●
Leather	●	●
MDF	●	●
Multiplex	●	●
Natural stone, granite and marble		● / ●
Gaskets	●	
Paper	●	●
Textile	●	●
Trespa		●

## Synthetics

	Cutting	Engraving
Acrylics, plexiglass, PMMA	●	●
Polyester	●	
Polypropylene	●	●
Polystyrene	●	
PVC and PVC-containing synthetics	●	●
And many more!		

## Popular materials

- ✓ Acrylics
- ✓ Wood
- ✓ Coated metals

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## Advice

With our extensive network of dealers we are able to offer you fast, personal and accurate advice in terms of the suitability of our lasermachines for your application. Get in touch with us to be informed about our machinery, to have your materials tested or to make an appointment for a demonstration in one of our showrooms.

## Warranty

We offer a full two year warranty on our machines based on thorough testing and quality control of all the parts used in assembly. From the motors to the safety-switches and laser sources: Everything gets continuously reviewed on quality so that we can offer these extensive warranty conditions to our clients.

## Support

All our technicians and dealers get trained in-house so that throughout our entire team we can offer fast and optimal support. Whether through our support portal, by phone, by e-mail or on-site, it's essential for us to support our clients in a fast and competent way in every aspect related to our machines.

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