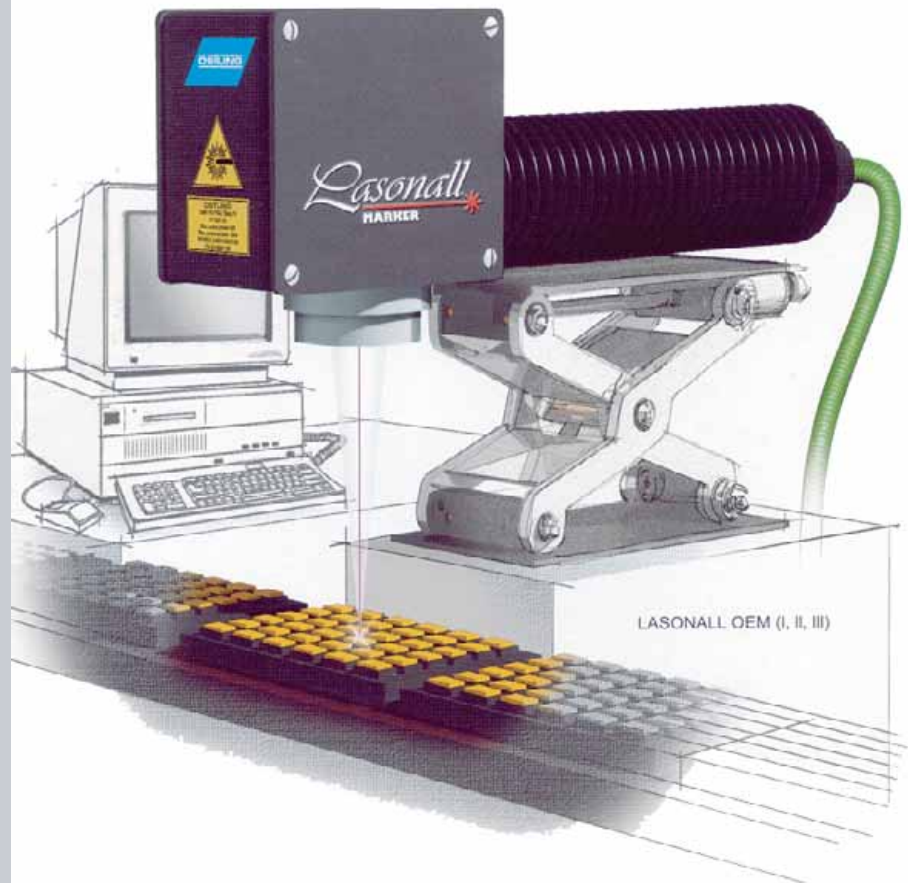




- Up to 20 W TEM<sub>00</sub>
- Maintenance-free up to 10,000 marking hours  
No changing of lamps
- Chiller not required
- Compact & easy to integrate
- 220-240V ~ single phase power supply
- Operator friendly software under Windows

New diode-pumped laser for marking  
- a technical revolution in industrial product marking



The laser marking is a non-contact, permanent marking for different materials such as plastic, paper, glass, metal or ceramic - it is superior to all other methods with regards to flexibility and speed



**Trend Marking Systems**

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# Lasonall

**MARKER**

**LASONALL revolutionizes laser marking and decreases normal marking costs by a factor of ten!**



Standard Model LASONALL GB (glovebox)

**Laser marking stands out due to a high amount of flexibility and high quality combined with extremely low marking costs. With LASONALL, your marking costs are one tenth than before.**

The laser source, including power supply unit, is so small that it would fit into an ordinary portfolio case. However, the biggest advantage may be the 10,000 hours of maintenance-free operation.

OSTLING Markiersysteme offers a wide range and constantly growing base of laser marking systems for all different types of applications. The latest innovation, LASONALL, is a diode pumped Nd:YAG laser. Due to its compact construction and high efficiency, LASONALL is revolutionizing product marking.

The output is sufficient for the marking of codes and logos-onto all kinds of materials from paper to plastics up to metals and ceramics. The high quality of the laser beam reaches the theoretic border of diffraction. A revolutionary marking results from the 100 points/mm resolution.

The lamp has been replaced by a diode rack. The results are an increase in efficiency from the lamp pumped 2 – 3% to between 30 – 50% The effective power consumption is only a few 100 Watts and a water chiller is no longer required.

By adding in the vast experience that OSTLING has to offer for industrial product marking, you can be ensured that all LASONALL systems are optimally tailored whether it is a stand-alone system or a module for integration into a product line.

## Technical data

	LASONALL I	LASONALL II	LASONALL III
<b>Laser</b>			
Wave length (λ)	1064 nm	1064 nm	1064 nm
Average power	5 W	12 W	20 W
Pulse frequency	20 kHz	0 - 100 kHz	0 - 100 kHz
Beam quality	TEM <sub>00</sub>	TEM <sub>00</sub>	TEM <sub>00</sub>
Pilot laser	635 nm, class 1	635 nm, class 1	635 nm, class 1

## Scannerhead

	All the lenses below can be used for LASONALL I, II or III		
Lenses (focus)	100, (160, 254) mm	160, (160, 254) mm	254, (100, 160) mm
Working distance	106 mm	184 mm	323 mm
Marking area	50 x 50 mm	115 x 115 mm	180 x 180 mm
Beam diameter	20 μm	30 μm	50 μm
Resolution	20 μm	30 μm	48 μm
Marking speed	150 characters/sec.	150 characters/sec.	150 characters/sec.
Optional:	340 characters/sec.	340 characters/sec.	340 characters/sec.

## Power Consumption

	LASONALL I	LASONALL II	LASONALL III
Power supply	220 - 240 V, 3 A	220 - 240 V, 4 A	220 - 240 V, 6 A

## Dimensions

	LASONALL I	LASONALL II	LASONALL III
Laser source	Ø 70 mm x 300 mm	Ø 96 x 360 mm	Ø 96 x 360 mm
Laser and scanner head	120 x 165 x 520 mm	130 x 165 x 580 mm	130 x 165 x 580 mm
Power supply	400 x 165 x 465 mm	400 x 165 x 465 mm	400 x 165 x 465 mm
Weight (laser and scanner head)	8,2 kg	8,2 kg	8,2 kg

Subject to alterations in the sense of further technical development.



Standard Model LASONALL RT (rotary table 500 or 800mm)



Standard Model LASONALL XY (r600x450, 800x500, 1000x600 mm)



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