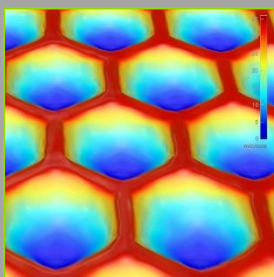
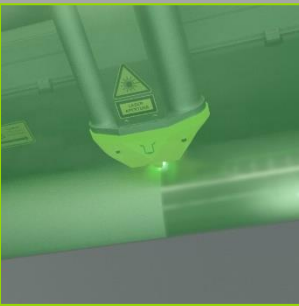
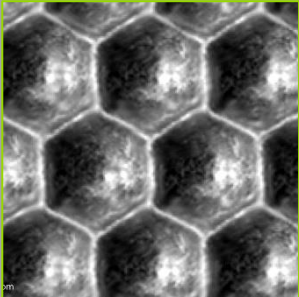


## Technical specification sheet

# Anilox Laser AL1100

*Clean without damage or chemicals*



### Intended use:

Fully automated laser cleaning of flexographic anilox rollers and sleeve surfaces without damaging the ceramic surface material.

Manufacturer: Lion Laser Systems B.V., Breda, The Netherlands

## TECHNICAL SPECIFICATIONS ANILOX LASER AL1100

### Laser & process

<b>Laser type</b>	XIR-MOPA (Master Oscillated, Power Amplified) Designed with extreme equal pulse technology
<b>Cleaning head</b>	Lion automatic optical follow focus head
<b>Master control system</b>	Schneider Electric PLC & HMI
<b>Process safety sensors</b>	Sensors and monitoring on axis rotation, optic temperature, optic focal height, anilox distance & diameter, anilox balance, X-movement, laser source power consumption, laser source temperature, laser source error, extraction vacuum pressure, extraction error
<b>Human safety sensors</b>	Sensors on pneumatic door cylinders, door safety sensor, extraction vacuum pressure, extraction error
<b>Laser safety classification</b>	Laser safety class 3R following EN 60825-1:2014. Safe for the human eye. Class 3R indicates the use of the visible alignment laser.

### Connections

<b>Power supply</b>	240 VAC 16A 1 phase (includes power for extraction unit)
<b>Air supply</b>	compressed air 2,4 m <sup>3</sup> /h (40 L/min) delivered at 6 bar cleanliness rating of ISO class 4 or cleaner
<b>Air connector</b>	G1/4" female connector 6 mm and 8 mm push in connectors can be supplied
<b>Communication</b>	Internet connection via Ixon router with secured gateway
<b>Communication connector</b>	RJ45 Ethernet connector for wired internet (4G optional)
<b>Foot pedal switch</b>	4-pin connector for supplied foot pedal switch
<b>Extraction I/O</b>	25-pin connector for communication with TBH BF1200R

### Dimensions and weight

<b>Machine dimensions</b>	1680 x 1173 x 2024 mm (W x D x H)
<b>Machine weight</b>	Approx. 650 kg
<b>Anilox sleeve dimensions</b>	min Ø130 x 600 mm, max Ø205 x 1100 mm (other sizes on request)
<b>Roller dimensions</b>	max 1100 mm including studs
<b>Roller weight</b>	up to 100 kg when equipped with optional bearing supports

