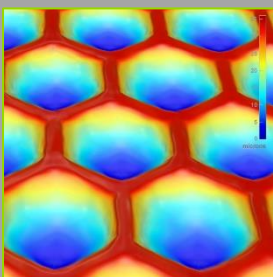
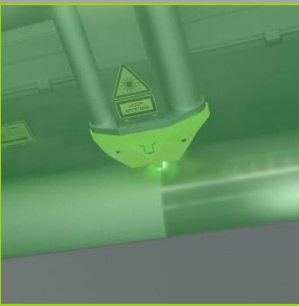
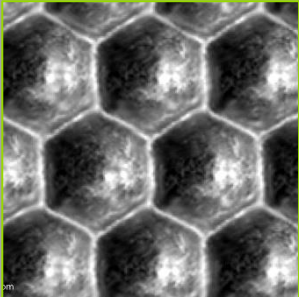


Technical specification sheet

Anilox Laser AL900

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 AL900

Laser & process

Laser type	XIR-MOPA (Master Oscillated, Power Amplified) Designed with extreme equal pulse technology
Cleaning head	Lion automatic optical follow focus head
Master control system	Schneider Electric PLC & HMI
Process safety sensors	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
Human safety sensors	Sensors on pneumatic door cylinders, door safety sensor, extraction vacuum pressure, extraction error
Laser safety classification	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

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

Dimensions and weight

Machine dimensions	1480 x 1173 x 2024 mm (W x D x H)
Machine weight	approx. 550 kg
Anilox sleeve dimensions	min Ø60 x 600 mm, max Ø150x 900 mm (other sizes on request)
Roller dimensions	max 900 mm including studs
Roller weight	up to 50 kg when equipped with optional bearing supports

