

INDUSTRIAL LASER TRACEABILITY SYSTEMS

LXQ SERIES 20W TO 100W

INDUSTRY'S MOST EFFICIENT AND RELIABLE LASER MARKER.

- ✦ The fastest industrial laser marker on the market
- ✦ The largest part tolerance positioning and marking field in the industry
- ✦ Withstands the most challenging environments
- ✦ Provides high definition and permanent identification
- ✦ Requires no consumables
- ✦ Capable of marking on metal at high temperatures
- ✦ High speed on-the-fly marking capabilities
- ✦ Manual focal distance adjustment for easier on-site setup and tuning



LXQ SERIES 20W TO 100W

	LXQ-20	LXQ-30	LXQ-50	LXQ-100
Performance				
Nominal laser output power	20 W	30 W	50 W	100 W
Laser wavelength	1064 nm			
Targeted applications	Marking			Marking / Cleaning
Characters per second	Up to 400 char/sec (ex.: 100W power, white on aluminum, single stroke, 4mm char.)			
Line speed	Up to 30 m/s (FL = 420 mm) (Depends on application)			
Spot size	From 0.05 mm (adjustable depending on application)			
Marking distance	2D Head: 320 mm (FL = 254mm), 547 mm (FL = 420 mm) 3D Head: from 290 mm to 355 mm (FL = 254 mm) and from 480 mm to 630 mm (FL = 420 mm)			
Effective Z-focusing range (3D Option Only)	65 mm (FL = 254 mm), 150 mm (FL = 420 mm)			
Working field size	175 x 175 mm (FL = 254 mm), 300 x 300 mm (FL = 420 mm)			
Standalone operation	YES - Controlled via PLC			
Marking/cleaning of moving material	YES			
Barcoding	YES			
Specifications				
Laser Cord Length	3 m Standard: 2.7 +/- .2 m* 5 m Option: 4.7 +/- .3 m*			
Supply voltage	24 VDC			
Power consumption	200 W	250 W	350 W	500 W
Interfaces	RS232, Ethernet, USB, Digital I/O, Encoder Signal			
Dimensions (W x H x D)	Laser: Rackmount 4U x 500 mm, Control: Rackmount 3U x 500 mm 2D Head: 340 x 150 x 138 (194**) mm, 3D Head: 489 x 162 x 170 (225**) mm			
Weight	Laser: 17 kg, Control: 6 kg, 2D Head: 9 kg, 3D Head: 14 kg			
Environmental conditions	Temperature: 10 °C to 35 °C, Humidity: 10 % to 90 % (without condensation)			

* Distance between the Laser Rackmount unit and the head

** With the lens cover

Class 4 Laser Product – IEC/EN60825-1