

DEFINITIVE LASER ENGRAVING SYSTEMS

Personalize Every Piece of Art You Create

KEY FEATURES:

- R- and Z-axis for Rings, Bracelets, and More!
- Enhanced Laser Chamber Visibility
- Multiple Cutting Process Tool
- Optional Scanner Detection System
- Double Positioning Pointer
- Pulsed Fiber Laser
- Touch Screen Interface
- 36-month Warranty

APPLICATIONS:

- Engrave Solution for Rings, Bracelets, Medallions, and More!
- Excavate Any Surface One Layer at a Time
- Place Markings on Watches and Eyewear of Any Material
- Cut Individual Pieces Manually or in a Production LineSetting



	LZR NANO	LZR ECO	LZR PRO	LZR 3D
OUTPUT POWER	20 W, 30 W	20 W, 30 W, 50 W	20 W, 30 W, 50 W, 70 W, 100 W, 200 W	20 W, 30 W, 50 W, 70 W, 100 W
WAVE LENGTH	1064 nm	1064 nm	1064 nm	1064 nm
M ²	<1.8	<1.8	<1.6, <1.4 at 200 W	<1.6
POWER SUPPLY	110V or 230 VAC 50/60 Hz	110V or 230 VAC 50/60 Hz	110V or 230 VAC 50/60 Hz	110V or 230 VAC 50/60 Hz
ABSORBED POWER	250 W, 350 W	250 W, 350 W, 350 W	300 W, 300 W, 300 W, 450 W, 450 W, 900 W	500 W, 500 W, 500 W, 600 W, 650 W
DIMENSIONS (LXWXH)	65.2x39.2x62.9 cm	75x45x104 cm	75x45x70 cm	96.5x47x10.5 cm
CHAMBER DIMENSIONS (LXWXH)	25X25X31 cm	25x25x35 cm	25x25x35cm	23x38x35 cm
WEIGHT	35 kg	55 kg - 58 kg	50 kg - 130 kg	55 kg - 60 kg
FOCAL 100: MARKING AREA/	60x60 mm / 16 µm	60x60 mm / 16 µm	60x65 mm / 11 µm	60x60 mm / 11 µm
FOCAL 160: MARKING AREA/	100x100 mm / 26 µm	110x110 mm / 26 µm	110x110 mm / 26 µm	110x110 mm / 26 µm
FOCAL 210: MARKING AREA/	N/A	N/A	160x160 mm /34 µm	N/A
SPEED OF SALVO HEAD	5000 mm/s	5000-7000 mm/s	Up to 7000 m/s	6000 m/s
MAX PULSE ENERGY	Up to 1 mJ	Up to 1 mJ	Up to 1 mJ	Up to 1.5mJ
MAX FREQUENCY	60 kHz	Up to 1000 kHz	1000 kHz, 400 kHz at 200 W	1000 kHz
COOLING SYSTEM	Air	Air	Air	Air
PULSE DURATION	100 nsec @20kHz	100-120 nsec @20kHz	10-200 nsec 30-100 nsec at 200 W	10-200 nsec
LASER CLASS	IV	Class IV	Class IV	Class 4/1
Z FOCUS RANGE, 100mm LENS	N/A	N/A	N/A	10mm
Z FOCUS RANGE, 160mm LENS	N/A	N/A	N/A	35mm