

Large laser cutting machine

(single or twin head)

MRD-L2430-3000WLS (Single)/-3000WLT (Twin)

- The linear motor drive enables faster and more precise cutting than conventional machine.
- High productivity and stable cutting are achieved by using high power and highly reliable FANUC laser system.



Use



Air bag



Car seat

Mechanical properties

1. **Slat conveyor** : a comb-like plate is arranged at the work discharge opening so that cut work pieces can be discharged horizontally.
2. **Cone-shaped presser foot** : prevents layered fabrics from floating and wrinkling, and enables uniform cutting.
3. **Laser oscillator** : FANUC make, 3,000 W, high-speed and precision cutting
4. **Exhaust gas blower** : two 3.7 kW large blowers keep the workplace clean.
5. **Dust box** : located below the cutter to collect cutting waste
6. Includes a smaller, low-priced model (MRD-L1390-80 WC).

Specifications

Data importing method	Ethernet system	Positional error	max. ± 0.3 mm
Motor	Linear motors 1,800 N, 900 N, 300 WB (X/Y/Z axes)	Repeated positioning - error	max. ± 0.15 mm
Power	Three-Phase 200 V/ 44 KVA (oscillator 180 A)	Sewing operation	Vector mode
Table stroke (X×Y×Z)	3,000 × 2,400 × 30/mm	Operating mode	Automatic, jog, MDI and editing
Max. work weight	30 kg	Memory job	125
Feed rate	0 to 60 m/min (minimum setting = 1 m/min)	Interpolation function	Linear and arc interpolation
Fast-forwarding speed	0 to 60 m/min (2 levels)	Program storage capacity	Built-in 256 Kb + CF Card
Scanning system	Gantry driven, X-Y light	Drive motor	AC servo motor 2,200 W, 750 W, 300 WB (X/Y/Z axes)
Z-axis adjustment system	Program controlled	Sewing data input	Flash memory card (FANUC CF Card) × 2, USB memory
Optical transmission system	2 fixed mirrors and 2 moving mirrors (3 inches of outside diameter)	Input data format	EIA, JIS code
Synchronous retraction	Equipped	Operation panel	Panel with 10.4-in color LCD
Control system	Numerical control	Power	Three-phase 200 VAC/ 10 KVA (excluding oscillator chiller)
Control device	FANUC FS311-LB	Weight	6 tons (machine only)
Control axes	X/Y simultaneous (2), Z-axis, CV-axis (2), laser control (high speed)		