THUNDER LASER

HIGH PRECISION LASER EXPERT

Thunder Aurora Laser Series

High precision and high speed laser marking with undoubted safety due to our fully enclosed housing design.

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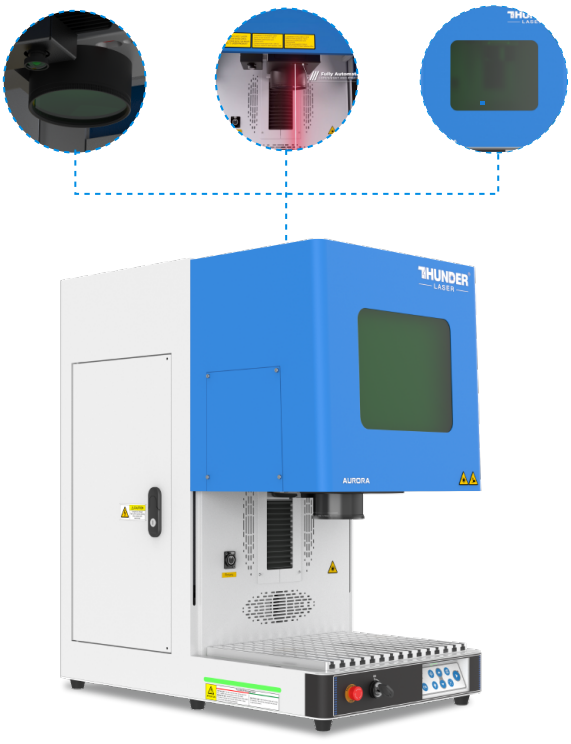
LASER MARKING MACHINE

TECHNICAL DATA OF THE ENGRAVER MACHINE

Specification	AURORA FIBER	AURORA MOPA	AURORA UV
Laser power	50W Q-SWITCH	100W MOPA	5W UV
Weight	83.3kg(20W)、84.8kg(50W)	79.7kg(20W)、82.5kg(60W&100W)	86.5kg(5W)
Marking Area	5.9"x5.9"/ 150x150mm		
Max Fil Speed	7000mm/s		
Max Line Speed	2000mm/s		
Z-axis	Motorized Z-axis, 16.9″/430mm		
Table	Alumina table, 14.7″×11.3″/375×288mm		
Housing Dimensions	16.9″×29.7″×31.4″/430mm×755mm×799mm		
Cooling	Air cooled		
Red Dot Pointer	Laser Power<1mW, 630-680nm		
Optional F-theta lenses	4.3″×4.3″/110×110mm I 7.9″×7.9″/200×200mm		
Rotary	Rotary Compatible		
Focus Mode	Auto Focus		

FEATURES OF THE AURORA



Maximize Your Efficiency

Our laser marker adopts a dynamic magnetic structure for the galvanometer motor. This design provides our lasers with excellent stability, high positioning accuracy, fast marking speed, and high interference resistance. With an engraving speed of 7,000 mm/s, Thunder Laser surpasses our competitors. Our innovative motion system and revolutionary drive concept translate to the most efficient production, highest throughput, and greatest profitability for users, all while maintaining impeccable quality.

Faster and More Precise Performance

We utilize geometric optics in our laser marking machines to ensure faster autofocus performance. This facilitates rapid labeling and minimizes errors. A short burst of light is emitted, directed towards the sensor. Our accurate software measures the time it takes for the light to reach the target object and return. Through contrast testing, our laser has demonstrated faster autofocus speed.

Large-format Camera

Our large-format camera empowers precise laser marking. It facilitates accurate positioning of artwork on diverse materials or objects, ensuring perfect alignment. With its advanced capabilities, the camera effortlessly traces intricate designs directly from images, simplifying the marking process. Additionally, it offers real-time laser monitoring, enabling users to supervise operations closely. The large-format camera optimizes efficiency and accuracy, making it indispensable for a wide range of marking tasks.

LASER CREATIONS

Lasermarking color

Lighter Engraving

Ring Carving

Bottle Opener

Ceramic Plate