AURORA SERIES

THUNDER LASER

LASER MARKING MACHINE

PRODUCT BROCHURE

STANDARD FEATURE

THE AURORA SERIES IS INTENDED EXCLUSIVELY FOR LASER MARKING USING THE SUPPLIED MARKING SOFTWARE. MATERIALS SUCH AS METAL, ANODIZED ALUMINUM, AND SEVERAL PLASTICS CAN BE PROCESSED ON THE LASER.

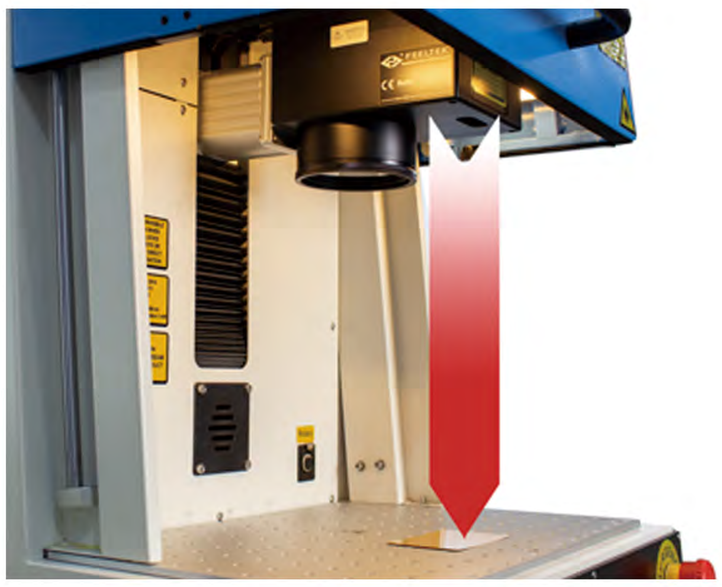
MOPA LASER SOURCE

WHAT IS SPECIAL ABOUT A MOPA LASER IS THAT ITS PULSE DURATION IS VARIABLE: LONG OR SHORT PULSES CAN BE ADJUSTED IN STEPS BETWEEN 2 AND 500 NS(60W).

ADDITIONALLY, THE LASER PARAMETERS PULSE DURATION, PULSE FREQUENCY AND PULSE ENERGY CAN BE ADJUSTED NEARLY INDEPENDENTLY OF ONE ANOTHER WHAT RESULTS IN HIGH FLEXIBILITY.

8000MM/S SPEED

THE GALVANOMETER MOTOR ADOPTS DYNAMIC MAGNETIC STRUCTURE, WITH GOOD STABILITY, HIGH POSITIONING ACCURACY, FAST MARKING SPEED AND STRONG ANTI-INTERFERENCE ABILITY. WITH AN ENGRAVING SPEED OF 8000MM/S, THEY OUTPERFORM COMPETITORS. WHAT DOES THAT MEAN FOR YOU THE USER? MOST EFFICIENT PRODUCTION, HIGHEST THROUGHPUT AND THUS MAXIMUM PROFIT WITH IMPECCABLE QUALITY.



LASER AUTO FOCUS

LASER AUTO FOCUS USING GEOMETRIC OPTICS TO ACHIEVE FAST AND PRECISE AUTOFOCUS PERFORMANCE.THE POPULAR CONTRAST DETECTION METHOD. THE FIRST STEP INVOLVES FIRING OUT A SHORT LASER LIGHT BURST. THIS LIGHT THEN TRAVELS BACK TOWARDS THE SENSOR, WHERE THE SOFTWARE CALCULATES THE TIME IT TAKES FOR THE LIGHT TO LEAVE AND RETURN, RESULTING IN A VERY ACCURATE MEASUREMENT OF HOW FAR AWAY THE TARGET OBJECT IS.

AURORA SERIES LASER SYSTEM IS HIGHLY INTEGRATED, COMPACT STRUCTURE, INTERNAL INTEGRATION OF LASER GENERATION SYSTEM, EASY TO LEARN, SUPPORT FUNCTION EXPANSION, CONVENIENT AUTOMATION INTEGRATION.

PRODUCTS WITH PERSONAL DEDICATION ARE BECOMING MORE AND MORE POPULAR. THE APPLICATION FIELDS ARE VERY DIVERSE. COMPANIES AND END CUSTOMERS CAN INCREASE THEIR BUSINESS BY EXPANDING THEIR PRODUCT RANGE.

"APPLICATION AREA"

Application industry of fiber laser marking machine

Electronic parts, various auto parts, home appliances, hardware tools, mold jewelry

STANDARD SPECS

Fiber system	AURORA 8		AURORA 8 PRO	
Marking area	4.3"×4.3"/110×110mm		5.9"×5.9"/150×150mm	
Max work Height	7.9"/200mm		5.7"/145mm	
Max marking speed	2m/sec, 200cps		8m/sec, 800cps	
Z-axis	Motorized Z-axis, 15.4"/390mm			
Table	Alumina table, 14.2"×10.5"/360×265mm			
Net weight	71kgs/157bs		72kgs/159lbs	
Dimensions(W*D*H)	27.7"×17"×32"/703mm×430mm×812mm			
Frequency	20W(20-60kHz)		50W(50-100kHz)	20W(MOPA)(1-4000kHz)
Z-axis	110ns		2-350ns	
Cooling	Air cooled			
Red dot pointer	Laser Power<1mW, 630-680nm			
Software	EzCad2		EzCad3	
Optional T-theta lenses	5.9"×5.9"/150×150mm	7.9"×7.9"/200×200mm	4.3"×4.3"/110×110mm	7.9"×7.9"/200×200mm

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