

Seriousness Openness



RITMAN Laser has more than 100 R&D engineers, It has a technical R&D team composed of a doctoral team from Dalian University of Technology and a master's team from Southeast University, as well as perfect research laboratory facilities and equipment. RITMAN with strong R&D technical strength, the R&D Technology Center has obtained a total of 64 invention patents, 10 authorizations, 59 utility models, 28 soft publications, and 12 professional papers.

200+

Invention patent

100+ Technical Team

Ph.D. Specialist Senior Engineer



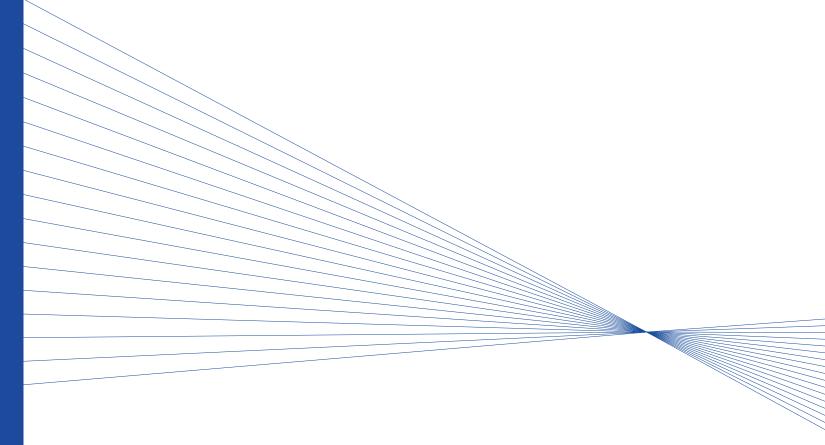
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NO:2024.04









RM- LW Series

Handheld Laser Fiber Welding Machine

Courage Responsibility





Water Cooling In One Piece

1000W-3000W

	RM-LW					
Laser power	1000W	1500W	2000W	3000W		
Fiber length	7/10 metres as standard 15 metres can be customised					
Working mode	Continuous/modulated pulse					
Laser wavelength	1070/1080nm					
Welding speed	0-120mm/s					
Chiller	Dual temperature and dual control constant temperature water tank					
Working environment	5-40 °C humidity less than 70% without condensation					
Applicable plate thickness	0.6-8mm					
Gap requirement	0-2mm					
Maximum power consumption	<5KW	<6KW	<6.5KW	<8.5KW		
Working voltage	220V/380V 50Hz					
Weight	120kg-160kg					





Water-cooled Split

1000W-3000W

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Working voltage		220V/380V 50Hz					
Weight		130kg-180kg					



Product Advantages





Easy To Operate

Touch screen, intelligent operating system, built-in process package, beginner training can be mastered in half an hour.

Handheld Welding

Laser Head Handheld welding laser head with

ergonomic design and light weight can be operated easily and persist in working.

Laser Cleaner

1000W-3000W

Air-cooled

1000W-3000W

Laser powe Fiber length

Working mode Laser wavelength Welding speed Shell material Working environme

Applicable plate thicknes

Gap requirement Maximum power consumption Working voltage Weight

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Laser power	1000W	1500W	2000W	3000W		
Fiber length	7/10 metres as standard 15 metres can be customised					
Working mode	Continuous/modulated pulse					
Laser wavelength	1070/1080nm					
Power Adjustment Range	10-100%					
Cleaning head weight	0.8KG					
Scanning Width	10-300mm					
Working distance	400/800mm					
Cooling method	Water Cooling					
Maximum power consumption	<5KW	<6KW	<6.5KW	<8.5KW		
Working voltage	220V/380V 50Hz					
Weight	130kg-180kg					

RM-LW

1200W

1070/1080nm

0.6-8mm

<5KW 220V 50Hz

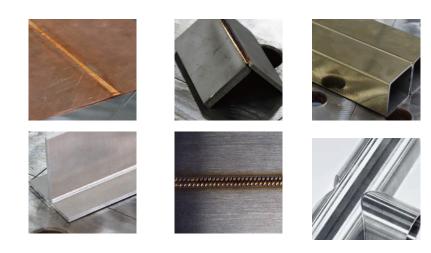
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0-2mm

0-120mm/ All-aluminum housing weighs only 6.5kg 5-40 ° C humidity less than 70% without condens

as standard 15 metres can be cust

CUTTING SAMPLES



Lightweight And Convenient

Small in size, light in weight, convenient for transportation and use, not limited by the venue.

Good Performance And Fast Speed

Stable performance, perfect welding quality, 5-10 times faster than traditional welding speed, can be formed in one go.

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