

## MF Eco machine Certification System Registry (Sheet Metal Forming Machines)

Register:Dec. 6, 2024  
 Changed :May. 19, 2025

Certification number & Registered product		MF2-B012(1/3) Fiber Laser Welding Machine		Product scope	FLW Series	
Registered company		AMADA CO. LTD.		Certified product	FLW6000ENSIS <sub>e</sub> , FLW3000ENSIS <sub>e</sub> , FLW3000Le	
Production of criteria-base product		Dec., 2006		Criteria-base product	YLR1500Ⅲ	
Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks		
(1) Essential requirement				FLW6000ENSIS <sub>e</sub> vs YLR1500Ⅲ	FLW3000ENSIS <sub>e</sub> vs YLR1500Ⅲ	
Energy saving	Energy consumption	Reduction ratio	40% or more reduced	70%	69%	
				FLW3000Le vs YLR1500Ⅲ		
				81%		
				based on JFMA criteria		
(2) Selective requirement						
Environment conservation	Safety	Safety standard		X		
	Hazardous materials	JFMA criteria		X		
	EMC	Applicable regulation		X		
Minimum selective requirement		3 items or more		3 items		
(3) Recommendation requirement		Names of equipped	Summary of effects on environmental burden reduction			
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Partition	Shielding the welding area to protect workers			
		Dust collector	Maintaining the working environment within the partition			
		LED lighting	Energy saving with LED lighting inside partitions			
		AI-TAS	AI-based automatic correction system for teaching			
Minimum recommendation requirement		3 items or more		4 items		

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Certification number & Registered product		MF2-B012(2/3) Fiber Laser Welding Machine		Product scope	FLW Series
Registered company		AMADA CO. LTD.		Certified product	FLW1500MT
Production of criteria-base product		Feb. 2009		Criteria-base product	YLM500P2
Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks	
(1) Essential requirement				FLW1500MT vs YLR1500P2	
Energy saving	Energy consumption	Reduction ratio	40% or more reduced	89%	
				based on JFMA criteria	
(2) Selective requirement					
Resource saving	Compactification	Installation area	10% or more reduction	23%	
	Lightweight	Total weight		89%	
Environment conservation	Safety	Safety standard		X	
	Hazardous materials	JFMA criteria		X	
	EMC	Applicable regulation		X	
Minimum selective requirement		3 items or more		5 items	
(3) Recommendation requirement		Names of equipped	Summary of effects on environmental burden reduction		
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Partition	Shielding the welding area to protect workers		
		Dust collector	Maintaining the working environment within the partition		
		LED lighting	Energy saving with LED lighting inside partitions		
		AI-TAS	AI-based automatic correction system for teaching		
Minimum recommendation requirement		3 items or more		4 items	

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Certification number & Registered product		MF2-B012(3/3) Fiber Laser Welding Machine		Product scope	FLW Series
Registered company		AMADA CO. LTD.		Certified product	FLW1500MTS
Production of criteria-base product		Feb. 2009		Criteria-base product	YLM500P2
Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks	
(1) Essential requirement				FLW1500MTS vs YLR1500P2	
Energy saving	Energy consumption	Reduction ratio	40% or more reduced	85%	
				based on JFMA criteria	
(2) Selective requirement					
Resource saving	Compactification	Installation area	10% or more reduction	23%	
	Lightweight	Total weight		89%	
Environment conservation	Safety	Safety standard		X	
	Hazardous materials	JFMA criteria		X	
	EMC	Applicable regulation		X	
Minimum selective requirement		3 items or more		5 items	
(3) Recommendation requirement		Names of equipped	Summary of effects on environmental burden reduction		
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Partition	Shielding the welding area to protect workers		
		Dust collector	Maintaining the working environment within the partition		
		LED lighting	Energy saving with LED lighting inside partitions		
		Torch contacted workpiece	Stable operation reduces defects		
Minimum recommendation requirement		3 items or more	4 items		