

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

Register:Dec 3, 2019  
Revised:Dec 15, 2022  
Criteria revised:Jun. 21, 2024

Certification number & Registered product		MF-B022(1/2) Fiber Laser Cutting Machine		Product scope	ENSIS-AJ Series	
Registered company		AMADA CO. LTD.		Certified product	ENSIS3015AJ	
Production of criteria-base product		April, 2015		Criteria-base product	FOM2 3015NT	
Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks		
(1) Essential requirement						
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	<b>86.8%</b>		%
				<b>based on JFMA criteria</b>		
(2) Selective requirement						
Resouce saving	Operating oil	Total consumption	10% or more reduced	<b>100%</b>		
Environment conservation	Safety	Safety standard		○		
	Hazardous materials	JFMA criteria		○		
	EMC	Applicable regulation		○		
Minimum selective requirement		3 items or more		<b>4 items</b>		
(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)	Fiber Laser oscillator	The power consumption reduction and the activation time abridgment			
		Fiber Laser oscillator	The oil reduction for the blower in the oscillator.			
		Fiber Laser processing	The productivity improvement and the running cost reduction			
		Latest processing technology	Best beam control's high-speed processing			
Minimum recommendation requirement		3 items or more		<b>4 items</b>		

Remarks:

Certification number & Registered product		MF-B022(2/2) Fiber Laser Cutting Machine		Product scope	VENTIS-AJ Series	
Registered company		AMADA CO. LTD.		Certified product	VENTIS3015AJ	
Production of criteria-base product		April, 2018		Criteria-base product	LCG3015AJ	
Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks		
(1) Essential requirement						
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	<b>33.6%</b>		%
				<b>based on JFMA criteria</b>		
(2) Selective requirement						
Environment conservation	Safety	Safety standard		○		
	Hazardous materials	JFMA criteria		○		
	EMC	Applicable regulation		○		
Minimum selective requirement		3 items or more		<b>3 items</b>		
(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)	Locus Beam Control	The control technique in the track for where the laser beam is the optimal			
		Productivity Mode	The high-speed processing of the middle board-thickness of SUS, and Aluminium			
		Kerf Width the control mode	It realizes stable processing in expanding Kerf Width.			
		Quality mode	It realizes high quality processing.			
Minimum recommendation requirement		3 items or more		<b>4 items</b>		