

MF Eco machine 2.0 Certification System Registry

(Sheet Metal Forming Machines)

Revised: July 21, 2024

Certification number & Registered product	MF2-B004 Fiber Laser Cutting Machine	Product scope	REGIUS-AJeシリーズ*
Registered company	AMADA CO. LTD.	Certified product	REGIUS3015AJe /4020AJe (6kW, 9kW, 12kW)
Production of criteria-base product	Sep. ,2011	Criteria-base product	FOL3015NT (4. 5kW)

Requirements & Environment factors	Evaluation item	Criteria	Evaluation result and/or remarks
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(1) Essential requirement				REGIUS3015AJe/4020AJe		
Total energy consumption				6kW vs FOL3015NT	9kW vs FOL3015NT	12kW vs FOL3015NT
Energy saving	Energy consumption	Reduction ratio	40% or more reduced	89%	85%	81%
based on JFMA criteria						

(2) Selective requirement				6kW vs FOL3015NT	9kW vs FOL3015NT	12kW vs FOL3015NT
Energy saving	Energy consumption	Reduction ratio	40% or more reduced	79%	73%	65%
				Reduced the loaded enegy consumption by one piece		
Resouce saving	Operating oil	Total consumption	10% or more reduced	100%		
Environment conservation	Safety	Safety standard		○		
	Hazardous materials	JFMA criteria		○		
	EMC	Applicable regulation		○		
Minimum selective requirement		3 items or more		5 items		

(3) Recommendation requirement		Names of equipped devices/functions	Summary of effects on environmental burden reduction
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Idling stop	Reduce standby power by cutting off the power inside the control panel during idling stop.
		AMNC4ie	Identify workers and switch to screens that match their skills
		Eco Machine	Display of CO2 emission
		assist gas control	Reducing power consumption through assist gas control
		i-CAS	The function to easily layout and cut out leftover materials
Minimum recommendation requirement		3 items or more	5 items