MF Eco machine 2.0 Certification System Registry
（Sheet Metal Forming Machines）

Certification number & Registered product	MF2-B002 Fiber Laser Cutting		Product scope	ENSIS-Aje, -Rle series
Registered company	AMADA CO. LTD.		Certified product	ENSIS3015Aje(3kW,6kW,9kW,12kW) ENSIS3015Rle(3kW,6kW,9kW) ENSIS4020Aje(3kW,6kW,9kW,12kW)
Production of criteria-base product	April, 2015		Criteria-base	FOM2 3015NT/LCG 3015AJ

Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks			
(1) Essential requirement Total energy consumption				ENSIS3015Aje／4020Aje			
				3kW vs FOM2 3015NT(4kW)	6kW vs FOM2 3015NT(4kW)	9kW vs FOM2 3015NT(4kW)	12kW vs FOM2 3015NT(4kW)
Energy saving	Energy consumption	Reduction ratio	40% or more reduced	**92%**	**90%**	**88%**	**84%**
				based on JFMA criteria			
(1) Essential requirement Total energy consumption				ENSIS3015Rle			
				3kW vs FOM2 3015NT(4kW)	6kW vs FOM2 3015NT(4kW)	9kW vs FOM2 3015NT(4kW)	
Energy saving	Energy consumption	Reduction ratio	40% or more reduced	**91%**	**89%**	**86%**	
				based on JFMA criteria			

(2) Selective requirement					
Resouce saving	Operating oil	Total consumption	10% or more reduced	100%	
Environment conservation	Safety	Safety standard		O	
	Hazardous materials	JFMA criteria		O	
	EMC	Applicable regulation		O	
Minimum selective		3 items or more		**4 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 CO_2 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		