

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

Register: Dec. 3, 2019
 Revised: Dec. 15, 2022
 Revised: Dec. 14, 2023
 Criteria revised: Jun. 21, 2024

Certification number & Registered product		MF-B003(1/4) Punch Press Machine		Product scope	EM-ZR Series	
Registered company		AMADA CO. LTD.		Certified product	EM3612ZRBe/ZRTe EM3510ZRBe/ZRTe	
Production of criteria-base product		June, 2011		Criteria-base product	EMZ3610/3510NT	
Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks		
(1) Essential requirement				EM3612ZRBe vs EMZ3610NT		
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	39%		%
				based on JFMA criteria		
(2) Selective requirement						
Environment conservation	Safety	Safety standard		○		
	Hazardous materials	JFMA criteria		○		
	EMC	Applicable regulation		○		
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)	Cooling Fan		Of the fan it operates only at the time of the differential temperature in the temperature rise test.		
		MPT Tapping Unit		The productivity improvement by high-speed tap processing realization		
		The clamping processing change of 5x10' workpiece		The punching tact-time improvement by the clamping processing change of 5x10' workpiece.		
		Idling stop		Reduce standby power by cutting off the power inside the control panel during idling stop.		
		Adopts the latest NC		Improved operability and enable to machine condition monitoring		
Minimum recommendation requirement		3 items or more		5 items		

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Revised:Jun. 22, 2023
Criteria revised:May. 21, 2024

Certification number & Registered product		MF-B003(2/4) Punch Press Machine		Product scope	EMZ/EMK Series	
Registered company		AMADA CO. LTD.		Certified product	EMZ3612/3510M2e EMK3612/3510M2e	
Production of criteria-base product		June, 2011		Criteria-base product	EMZ3610/3510NT	
Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks		
(1) Essential requirement				EMZ3510M2e vs EMZ3510NT		
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	36%		%
				based on JFMA criteria		
(2) Selective requirement						
Environment conservation	Safety	Safety standard		○		
	Hazardous materials	JFMA criteria		○		
	EMC	Applicable regulation		○		
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	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		
Minimum recommendation requirement		3 items or more		3 items		

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Criteria revised: May 21, 2024

Certification number & Registered product		MF-B003(3/4) Punch Press Machine		Product scope	EM-M2 Series	
Registered company		AMADA CO. LTD.		Certified product	EMZ3612M2 EMZ3510M2	
Production of criteria-base product		June, 2011		Criteria-base product	EMZ3510NT	
Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks		
(1) Essential requirement				EMZ3612M2 vs EMZ3510NT		
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	31%		%
				based on JFMA criteria		
(2) Selective requirement						
Environment conservation	Safety	Safety standard	○			
	Hazardous materials	JFMA criteria	○			
	EMC	Applicable regulation	○			
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	Cooling Fan	Of the fan it operates only at the time of the differential temperature in the temperature rise test.			
		MPT Tapping Unit	The productivity improvement by high-speed tap processing realization			
		The workclamp processing	A tact-time is abridged by the workclamp processing by the 3000 mm slide.			
Minimum recommendation requirement		3 items or more		3 items		

Remarks:

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 Criteria revised: May. 21, 2024

Certification number & Registered product		MF-B003(4/4) Punch Press Machine		Product scope	EM-ZR Series	
Registered company		AMADA CO. LTD.		Certified product	EM3612ZR EM3510ZR	
Production of criteria-base product		June, 2011		Criteria-base product	EMZ3610NT	
Requirements & Environment factors		Evaluation item	Criteria	Evaluation result and/or remarks		
(1) Essential requirement				EMZ3612M2 vs EMZ3510NT		
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	37%		%
				based on JFMA criteria		
(2) Selective requirement						
Environment conservation	Safety	Safety standard		○		
	Hazardous materials	JFMA criteria		○		
	EMC	Applicable regulation		○		
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)	Cooling Fan	Of the fan it operates only at the time of the differential temperature in the temperature rise test.			
		MPT Tapping Unit	The productivity improvement by high-speed tap processing realization			
		The workclamp processing	A tact-time is abridged by the workclamp processing by the 3000 mm slide.			
		'Die Lifting Station	A tact-time is abridged to the Floating Brush Table.			
Minimum recommendation requirement		3 items or more		4 items		