

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

Register: Dec. 3, 2019

Revised: Dec. 15, 2022

Revised: Dec. 14, 2023

Certification number & Registered product		MF-B003(1/4) Punch Press Machine		Product scope	EM-ZR Series	
Registered company		AMADA CO. LTD.		Certified product	EM3612ZRB _e /ZRT _e EM3510ZRB _e /ZRT _e	
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				EM3612ZRB _e vs EMZ3610NT		
Energy saving	Energy consumption	Reduction ratio	20% 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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Register:Dec. 3, 2019
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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	20% 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		

Remarks:

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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	20% 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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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	20% 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		