## 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

					Criteria revised:Jun. 2	1, 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	
	uirements & nment factors	Evaluation item	Criteria	Evaluation result and/or remarks		3
(1) Esser	(1) Essential requirement			EM3612ZRBe vs EMZ3610NT		
Energy	Energy	Reduction ratio	25% or more reduced	39%		%
saving	consumption			based on JFMA criteria		
(2) Selec	tive requireme	nt				
	Safety	Safety standard  JFMA criteria		0		
Environment conservation	Hazardous materials			0		
	EMC	Applicable regulation		0		
Minimum selective requirement		3 items or more		3 items		
` '	ommendation uirement	Names of equipped	,		vironmental burden red	
dural	gy saving, bility, long life,	Cooling Fan	Of the fan it operates only at the time of the differential temperature in the temperature rise test.			
of on	splay/management environment info., bration/noise, mission tmosphere, soil)	MPT Tapping Unit	The productivity improvement by high-speed tap processing			
ը emis		The clamping processing change of 5x10' workpiece	The punching tact-time improvement by the clamping			
Ш		Idling stop				
		Adopts the latest NC				
Minimum recommendation requirement 3 items or more			5 items			

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

Register:Dec. 3, 2019 Revised:Dec. 15, 2022 Revised:Jun. 22, 2023 Criteria revised:May. 21, 2024

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	cation number stered product	MF-B003 Punch Press	` ,	Product scope	EMZ/EMK Serie	es
Registered company		AMADA CO. LTD.		Certified product	EMZ3612/3510M2e EMK3612/3510M2e	
	n of criteria-base product	June, 2	011	Criteria-base product EMZ3610/3510		<b>I</b> T
	uirements & nment factors	Evaluation item	Criteria	Evaluation result and/or remarks		
(1) Esse	ntial requiremer	nt		EMZ3	510M2e vs EMZ3510NT	
Energy	Energy	I Reduction ratio 1	25% or more		36%	
saving	consumption	Troduction ratio	reduced	bas	ed on JFMA criteria	
(2) Selec	ctive requiremen	nt				
	Safety	Safety standard		0		
(2) Select		JFMA cri	teria	0		
	EMC	Applicable re	gulation	0		
	um selective Juirement	3 items or more		3 items		
rec	ommendation Juirement	Names of equipped	Summary of effects on environmental burden redu			
g Enei dura	gy saving, bility, long life,	Idling stop	Reduce standby power by cutting off the power inside the control panel during idling stop.			he
Energy saving, durability, long life, display/management of environment info., vibration/noise, emission		AMNC4ie	Identify workers and switch to screens that match their skills			skills
vibra u emis	ation/noise, ssion	Eco Machine	Display of CO2 emission			
Minimum recommendation requirement		3 items or more	3 items			

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

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

(Sheet Metal Forming Machines)					Criteria revised:May. 2	1, 2024
	cation number stered product	MF-B003 Punch Press	` '	Product scope	scope EM-M2 Series	
Registered company		AMADA CO. LTD.		Certified product	EMZ3612M2 EMZ3510M2	
	n of criteria-base product	June, 2	011	Criteria-base product	EMZ3510NT	
	uirements & nment factors	Evaluation item	Criteria	Evalua	uation result and/or remarks	
(1) Esser	ntial requireme	nt		EMZ3	3612M2 vs EMZ3510NT	
Energy	Energy	Reduction ratio	25% or more	31%		%
saving	consumption	I reduced		ed on JFMA criteria		
(2) Selec	tive requiremen	nt				
	Safety	Safety standard		0		
Environment conservation	Hazardous materials	JFMA cri	teria	0		
	EMC	Applicable re	gulation	0		
	ım selective uirement	3 items or more		3 items		
` '	ommendation uirement	Names of equipped	Summary of effects on environmental burden reduction			uction
tacto dural	gy saving, bility, long life,	Cooling Fan	temperature in	perates only at the time of the differential name temperature rise test.		
g of en	ay/management vironment info.,	MPT Tapping Unit	The productivity improvement by high-speed tap processin realization			_
vibration/noise, emission		The workclamp processing	A tact-time is abridged by the workclamp processing by the 3000 mm slide.			the
Minimum recommendation requirement 3		3 items or more	3 items			

Remarks:

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

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

Criteria revised: wa					Ontona rovioca.iviay. 2	1, 202 1
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	
	uirements & onment factors	Evaluation item	Criteria	Evaluation result and/or remai		3
(1) Esse	ntial requireme	nt		EMZ3612M2 vs EMZ3510N7		
Energy	Energy	T REQUESTION FAILO T	25% or more reduced	37%		%
saving	consumption			based on JFMA criteria		
(2) Selec	ctive requiremen	nt				
	Safety	Safety standard		0		
Environment conservation		JFMA criteria		0		
	EMC	Applicable regulation		0		
	um selective quirement	3 items or	more		3 items	
` '	ommendation quirement	Names of equipped	Summary of effects on environmental burden reduc			
1 1 .	rgy saving, ibility, long life,	Cooling Fan	Of the fan it operates only at the time of the differential temperature in the temperature rise test.			
displ	lisplay/management of environment info., ibration/noise, emission atmosphere, soil)	MPT Tapping Unit	The productivity improvement by high-speed tap processing realization			
emis والم		The workclamp processing	A tact-time is abridged by the workclamp processing by the 3000 mm slide.			the
ங் (atm		'Die Lifting Station	A tact-time is abridged to the Floating Brush Table.			
Minimum recommendation requirement 3 items or more			4 items			