



Achivement of 2020

MF Eco machine Certification System

The applicable products are as follows:

Press machines, Sheet-metal machines, Automation and related apparatus



It has become the fourth year that Japan Forming Machinery Association has launched MF Eco machine Certification System since April, 2009.

The campaign is aiming to contribute to global environment by promoting "people and environment-friendly machines".

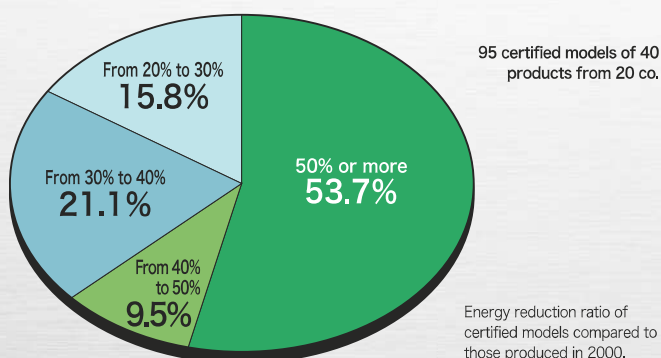
MF Eco machines are taken into account reduction of at least 20% or more of energy consumption, saving resources or mitigation of noise and vibration and avoiding the use of harmful materials, etc. to those products produced in 2000, and have been certified 95 models of 40 products from 20 companies as of April 1, 2021.

The trademark registration of the certification mark is completed in Japan, EU, the United States, China, Taiwan, South Korea, India and Russia.

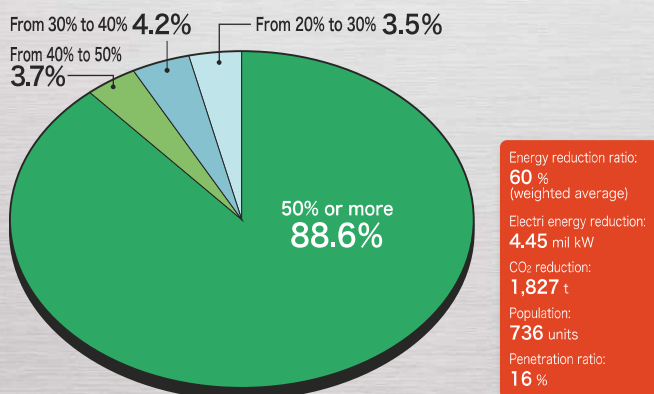
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MF Eco Machine certified Products Energy Reduction Ratio by No. of Products (2020 actual)



MF Eco Machine certified Products Energy Reduction Cotribution Ratio (2020 actual)



MF Eco machine Certification System - Certification registration list (95 models of 40 products from 20 companies as of April 1, 2021)

Product Classification: Press Machine

Registration product name	Member company name	Registration No.	Registration model range
Mechanical servo press SDE-13 · W · GORIKI series	Amada Press System	MF-P001	SDE 8018I3, 1120I3, 1522I3, 2025I3, 3030I3
		MF-P008	SDEW 2025I3, 3025I3
		MF-P023	SDE 1515I3, 2017I3, 3020I3
Mechanical servo press, direct servo former	Aida	MF-P002	DSF-C1-1500, 2500
		MF-P013	DSF-N2-1100, 1600
		MF-P019	DSF-N1-3000
CNC rolling machine Arius series	Nissei	MF-P003	ND -10/CNC, 30/CNC
Hydraulic press	Kawasaki	MF-P006	KEEP-D5000
Mechanical servo press H1F series	Komatsu	MF-P007	H1F 35, 45, 60, 80, 110-2, 150-2, 200-2
		MF-P009	SBP 305AS
Hydraulic press HYPseries	J.A.M.	MF-P017	HYP 505HEP, 1000EP
Hydro-form & bellows forming machine	Yamamoto Suiatu	MF-P014	HDL-CHB-40
Universal Test Machine	AMINO	MF-P018	UTM855
Mechanical servo press ZEN Former	Houden Seimitsu	MF-P020	MPS4100
Hydraulic Press Fine Blanking Press	Mori Iron	MF-P021	FBIN-650-FD
Mechanical Servo Press Forming Machine	TS Precision	MF-P022	SF-M150-25, SF-L250-35
Mechanical servo press TA14-0270 series	Kurimoto	MF-P024	C2P-20LS
		MF-P025	HR4-10SP

Product Classification: Sheet-metal Machine

Registration product name	Member company name	Registration No.	Registration model range
Servo pipe bender	Opton	MF-B001	ECO-35-O
Mechanical servo punch press Motorum series	Murata	MF-B002	M3048TG, M3058TG, M2544TS, M2548TS, M2558TS
		MF-B014	BH13530
Hydraulic servo press brake BH series	Amada	MF-B003	EMZ 3612M2, 3510M2, EM 3612ZR, 3510ZR
Punch Press Machine		MF-B004	HG 5020, 8025, 1003, 1303, 1703, 1704, 2203, 2204, HRB 5020, 8025, 1003, 2204
Hydraulic Servo Press Brake		MF-B021	EG 6013, 4010
Mechanical Servo Press Brake		MF-B022	ENSIS3015A, VENTIS3015AJ
Fiber Laser Cutting Machine		MF-B023	LC2512C1AJ, LC2515C1AJ, ACIES2512AJ, 2515AJ, EML2512AJ, 2515AJ
Hydraulic press brake PBZ series		MF-B005	PBZ1253NET, 1753NET, 2253NET, 2254NET
Machine servo press brake		MF-B006	PAS5012NET, 5020NET
Plasma processing machine	Komatsu	MF-B007	TFP 510
		MF-B008	TFPL 08
		MF-B018	PVS8525NET, 1353NET, 2254NET
Hydraulic press brake PVS series	Aizawa	MF-B019	KFL2048, 2051
Fiber-laser processing machine		MF-B012	ASV-512
Servo shearing	Trumpf	MF-B013	TruLaser5030 fiber
Disc-laser processing machines		MF-B016	TruLaser3030
CO ₂ -laser processing machine		MF-B020	TruBend 5085, 5130, 5170, 5230
Hydraulic press brake TruBend 5000 B32 series	Koyo Giken	MF-B015	NK-08-KGwc, NK-21-HE(V)-KGwc, NK-71HE-KGwc
Spot Welder		MF-B017	FCP-50i
Clinching machine	Fabace	MF-B017	FCP-50i

Product Classification: Automation and Related Apparatus

Registration product name	Member company name	Registration No.	Registration model range
Leveler feeder	Amada Press System	MF-K002	LCC 06PU
Servo transfer	DATE Machine	MF-K003	TRFN-3-300



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