

Achivement of 2017

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.

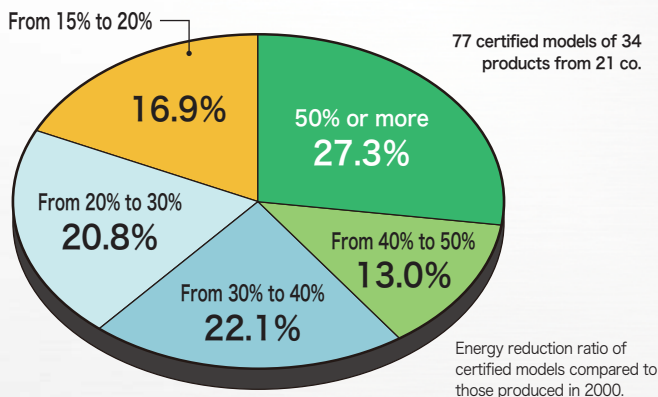
The campaign is aiming to contribute to global environment by promoting "people and environment-friendly machines".

MF Eco machines are taken into account reduction of at least 15% 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 73 models of 32 products from 21 companies as of April 1, 2018.

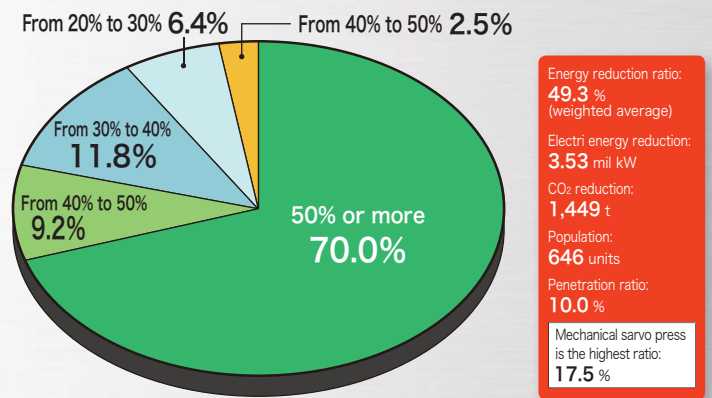
The trademark registration of the certification mark is completed in Japan, EU, the United States, China, Taiwan, South Korea, India and Russia.



MF Eco Machine certified Products Energy Reduction Ratio by No. of Products (2017 actual)



MF Eco Machine certified Products Energy Reduction Cotribution Ratio (2017 actual)



MF Eco machine Certification System - Certification registration list (73 models of 32 products from 21 companies as of April 1, 2018)

Product Classification: Press Machine

Registration product name	Member company name	Registration No.	Registration model range
Mechanical servo press SDE · W series	Amada	MF-P001	SDE 8018, 1120, 1522, 2025, 3030
		MF-P008	SDEW 2025, 3025
Mechanical servo press, direct servo former	Aida	MF-P002	DSF-C1-1500, 2000, 2500
		MF-P013	DSF-N2-1100, 1600
		MF-P019	DSF-N1-3000
Mechanical servo press H1F series	Komatsu	MF-P007	H1F 35, 45, 60, 80, 110-2, 150-2, 200-2
Mechanical servo press ZEN Former	Houden Seimitsu	MF-P020	MPS4100
Screw servo press ZES series	Enomoto	MF-P004	150ZES(H), 200ZES(H)
CNC rolling machine Arius series	Nissei	MF-P003	ND-10/CNC, 30/CNC
Hydraulic press	Kawasaki	MF-P006	KEEP-D5000
Hydraulic press HYPseries	J.A.M.	MF-P017	HYP 505HEP, 1000EP
Ball screw press		MF-P009	SBP 305NS
Hydraulic Press Fine Blanking Press	Mori Iron	MF-P021	FBIN-650-FD
Hydro-form & bellows forming machine	Yamamoto Suiatu	MF-P014	HDL-CHB-40
Universal Test Machine	AMINO	MF-P018	UTM855
Mechanical Servo Press Forming Machine	TS Precision	MF-P022	SF-150-25A, SF-250-35

Product Classification: Sheet-metal Machine

Registration product name	Member company name	Registration No.	Registration model range
Mechanical servo punch press Motorum series	Murata	MF-B002	M2044TC, M2044TS, M2048TS, M2048TE, M3048, M3058, M2544TS, M2548TS, M2558TS
		MF-B014	BH13530
Hydraulic servo press brake BH series	Komatsu	MF-B005	PBZ1252, 1253, 1753, 2253, 2254
Hydraulic press brake PBZ series		MF-B007	TFP 3051
Plasma processing machine		MF-B008	TFPL 6082
Fiber-laser processing machine		MF-B019	KFL2048, 2051
Hydraulic press brake TruBend 5000 series	Trumpf	MF-B010	TruBend 5085, 5085S, 5130, 5170, 5170S, 5230
Disc-laser processing machine		MF-B013	TruLaser5030 fiber
CO ₂ -laser processing machine		MF-B016	TruLaser3030
Servo shearing	Aizawa	MF-B012	ASV-512
Spot Welder	Koyo Giken	MF-B015	NK-08-KGwc, NK-21-HE(V)-KGwc, NK-71HE-KGwc
Servo pipe bender	Opton	MF-B001	ECO-35-O
Clinching machine	Fabace	MF-B017	FCP-50i

Product Classification: Automation and Related Apparatus

Registration product name	Member company name	Registration No.	Registration model range
Servo transport robot RYN series	Orii & Mec	MF-K001	RYN 120S1S, 120L1S, 120S1G, 120L1G
Leveler feeder		MF-K002	LCC 06PU
Servo transfer	DATE Machine	MF-K-003	TRFN-3-300