

MF Eco-Machine Certification System Registry (Fabricating Machine)

Registered: September 9, 2010

Revised: September 9, 2014

Revised: June 6, 2017

Revised: Dec 3, 2019

Revised: Dec 15, 2022

Criteria revised: June 21, 2014

Revised: Dec 10, 2025

Certification number & registered product		MF-B012 Servo-Shearing Machine		Product scope	Servo-Shearing ASV-512
Registered Company		Aizawa Tekkosho Ltd.		Certified model	ASV-512
Production time of reference model		August, 2001		Reference	A4-512
Requirements and Environmental Factors		Evaluation Items	Criteria	Evaluation Results & Scores	
(1) Essential requirements					
Energy saving	Energy consumption	Reduction ratio	25% or more reduction	31%	
				Based on JFMA Standard	
(2) Selective requirements					
Resource saving	No. of air-hydraulic parts	Amount of use	10% or more reduction	○	
	Air	Total amount of consumption	10% or more reduction	○	
	Lubricating oil	Amount of use	10% or more reduction	○	
Environment conservation	Vibration/noise	Noise when loaded	3dB or more reduction	○	
Minimum selective requirement			3 items or more	4 items	
(3) Recommended requirements		Name of function/device	Summary of environmental load reduction effectiveness		
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	AC Servo-drive	Energy saving. Substantial reduction of power consumption.		
		Clutchless	Reduction of noise, dust and maintenance man-hour, and no air source necessary		
		Various operating modes	Changes of SPM and rotational function improve work environment and reduce power consumption.		
		TFT liquid crystal display	Reduction of operator work load and easy to confirm operation modes.		
		Downsized reducer	Reduction of lubricating oil and noise.		
Minimum number of recommended requirements		3 items or more	5 items		