

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

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	20% or more reduction	<b>31%</b>
				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		<b>4 items</b>
(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		<b>5 items</b>