

# MF Eco machine Certification System Registry

Registered: Sep 13, 2012  
 Revised: June 2, 2015  
 Revised: June 5, 2018  
 Revised: Dec 10, 2021  
 Criteria revised: Jun. 21, 2024  
 Revised: Dec 6, 2024

Certification number	MF-B015		Product scope	MYSPOT High Speed Welders Series		
Registered company	Koyo Giken Inc.		Certified product	NK-08-KGwc, NK-21HE(V)-KGwc, NK-71HE-KGwc		
Production year/month of criteria-base product	Mar, 2012		Criteria-base product	NK-08, NK-21HE(V), NK-71HE		
Requirements & environment factors	Evaluation item	Criteria	Evaluation results and/or remarks			
(1) Essential requirements			NK-08-KGwc vs NK-08	NK-21HE(V)-KGwc vs NK-21HE(V)	NK-71HE-KGwc vs NK-71HE	
Energy saving	Energy consumption	Reduction ratio	25% or more reduction	<b>36%</b>	<b>26%</b>	<b>32%</b>
<b>Based on JFMA Criteria</b>						
(2) Selective requirements			NK-08-KGwc vs NK-08	NK-21HE(V)-KGwc vs NK-21HE(V)	NK-71HE-KGwc vs NK-71HE	
Energy saving	Energy consumption	Loaded electric power consumption	25% or more reduction	<b>44%</b>	<b>32%</b>	<b>39%</b>
<b>Based on JFMA Criteria</b>						
Resources saving	Operating oil	Amount of use	10% or more reduction	<b>X</b>		
Environment conservatn	Vibration & noise	Loaded noise	3 dB or more lowering	<b>X</b>		
Minimum selective requirements		3 items or more		<b>3 items</b>		
(3) Recommended requirements		Names of equipped devices/functions	Summary of effects on environmental burden reduction			
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Timesaving	Reduction in sander finishing due to limited welding distortion			
		Timesaving	Reduction of burning removal material due to limited welding burn			
		EZ setting	Defect ratio reduction with welding parameter control system			
		Dress factor control	Controlled chip dress execution timing for welding conditions			
		Welding navigation	Guiding functions to set appropriate welding conditions			
Minimum recommended requirements		3 items or more		<b>5 items</b>		