

MF Eco machine Certification System Registry

Registered: Sep 13, 2012

Revised: June 2, 2015

Revised: June 5, 2018

Revised: Dec 10, 2021

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)		
Energy saving		Energy consumption		Reduction ratio		20% or more reduction		
						36% 26% 32% Based on JFMA Criteria		
(2) Selective requirements				NK-08-KGwc vs NK-08		NK-21HE(V)-KGwc vs NK-21HE(V)		
Energy saving		Energy consumption		Loaded electric power consumption		20% or more reduction		
						44% 32% 39% Based on JFMA Criteria		
Resources saving		Operating oil		Amount of use		10% or more reduction		
						X		
Environment conservation		Vibration & noise		Loaded noise		3 dB or more lowering		
						X		
Minimum selective requirements				3 items or more		3 items		
(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		5 items				