

Certification number & registered product		MF2-B009 Laser Punching Press		Product scope	MF-HL series	
Registered company		MURATA MACHINERY Ltd.		Certified model	MF3048HL,MF30510HL MF2048HL	
The lauched date of reference product□		Sep. 2011		Reference model	M2048HL	
Requirement & environment factors		Evaluation item	Criteria	Evaluation results and score		
(1) Essential requirement				MF3048HL vs M2048HL	MF30510HL vs M2048HL	MF2048HL vs M2048HL
Energy saving	Energy consumption	Reduction ratio	40% or more reduction	82%	80%	88%
				Based on JFMA standard		
(2) Selective requirement				MF3048HL vs M2048HL	MF30510HL vs M2048HL	MF2048HL vs M2048HL
Energy saving	Energy consumption per each product	Reduction ratio	40% or more reduction	82%	80%	88%
				Based on JFMA standard		
Resource saving	Compactification	height	10% or more reduction	X		
	Gas consumption	Gas consumption		X		
Environment conservation	Safety	Safety standard				X
Minimum selective requirement		3 items or more		3 items		
(3) Recommended requirement		Names of function and device	Summary of environmental load reduction			
Environment factor	Energy saving, durability, long life, display/managemen t of environment info., vibration/noise, emission (atmosphere, soil)	LCD display	Reduction of power consumption			
		Auto Power Off	Reduction of power consumption			
		Electric driven servo drive	Reduction of power consumption			
		Power regeneration	Reduction of power consumption			
Minimum recommended requirement		3 items or more		4 items		

Remarks: Jun.23,2026; MF2048HL is added.