

Certification number & Registered product		<b>MF-B002 Mechanical Servo Punching Press</b>		Product scope	Motorum Series M2048LT/M2044LT, M2544/2548/2558, M2048UT/2044UT		
Registered company		MURATA MACHINERY Ltd.		Certified product	M2048LT(200kN), M2048UT(200kN), M2558(250kN)		
Reference product & production time		C2500 (200kN) (August, 2001)					
Requirements & environment factors		Evaluation item	Criteria	Evaluation result and/or remarks			
(1) Essential requirement				M2048LT vs C2500	M2558 vs C2500	M2048UT vs C2500	
Energy saving	Energy consumption	Reduction ratio	10% or more reduction	<b>21%</b>	<b>40%</b>	<b>53%</b>	
				based on JFMA criteria			
(2) Selective requirement				M2048LT vs C2500	M2558 vs C2500	M2048 vs C2500	
Energy saving	Energy saving	Reduction ratio	10% or more reduction	<b>36%</b>	<b>47%</b>	<b>64%</b>	
				Only the certified model adopted dwell mode ( 3 seconds halt after each punch ). For other conditions such as loading condition, the reduction of power consumption is applied per one punch based on JFMA criteria.			
Resource saving	Shrinkage of space/items	Number of parts for air/hydraulic pressure	10% or more reduction	<b>X</b>	<b>X</b>	<b>X</b>	
environment protection	Noise	Noise when loaded	3 dB or more reduction	<b>X</b>	<b>X</b>	<b>X</b>	
Minimum selective requirement		3 items or more		<b>3 items</b>			
(3) Recommendation requirement		Names of equipped devices/functions	Summary of environmental load reduction				
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Automatic electricity shut-off	Reduction of power consumption				
		LCD display	Reduction of power consumption				
		Electric power regeneration	Reduction of power consumption				
		Electric servo drive	Reduction of power consumption				
		Lower noise table	Improvement of work environment				
Minimum recommendation requirement		3 items or more		<b>5 items</b>			

Note:

(1) Revision content on June 5, 2009: 3 models were added (M2544, 2548 and 2558).

(2) Revision content on September 8, 2009, 2 models (M2048UT, 2044UT) were added.