

Certification number & Registered product		MF-B002 Mechanical Servo Punching Press		Product scope	Motorum Series M2044TC, M2044TS/2048TS, M2048TE, M3048, M3058, M2544TS/2548TS/2558TS				
Registered company		MURATA MACHINERY Ltd.		Certified product	M2044TC, M2044TS/2048TS, M2048TE, M3048, M3058, M2544TS/2548TS/2558TS				
Reference product & production time		C2500 (200kN) (August, 2001)							
Requirements & environment factors		Evaluation item	Criteria	Evaluation result and/or remarks					
(1) Essential requirement				M2044TC vs C2500	M2044TS /M2048TS vs C2500	M2048TE vs C2500	M3048 /M3058 vs C2500	M2544TS /2548TS /2558TS vs C2500	
Energy saving	Energy consumption	Reduction ratio	15% or more reduction	17%	18%	16%	27%	34%	
				based on JFMA criteria					
(2) Selective requirement				M2044TC vs C2500	M2044TS /M2048TS vs C2500	M2048TE vs C2500	M3048 /M3058 vs C2500	M2544TS /2548TS /2558TS vs C2500	
Energy saving	Energy saving	Reduction ratio	15% or more reduction	58%	61%	63%	34%	37%	
				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	X	X	X	X	X	
	Operating oil	Consumption volume	10% or more reduction	X	X	X	X	X	
Minimum selective requirement		3 items or more		3 items					
(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					
Minimum recommendation requirement		3 items or more		4 items					

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.
- (3) 2 models (M2044LT, 2048LT) were taken off the list on September 13, 2012.
- (4) Revision content on June 13, 2013, 2 models(M3048,3058) were added.
- (5) Revision content on December 13, 2013, 4 models(M2044TC, 2044/2048TS, 2048TE) were added.
- (6) Revision content on June 10, 2014, 3 models(M2544TS, 2548TS, 2558TS) were added.
- (7) 5 models (M2044UT, 2048UT, M2544, M2548, M2558) were taken off the list on December 1, 2015.