

Certification number & Registered product		<b>MF-B002 Mechanical Servo Punching Press</b>		Product scope	Motorum Series
Registered company		MURATA MACHINERY Ltd.		Certified product	M3048TG,M3058TG, 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				M3048TG/M3058TG vs C2500	M2544TS /2548TS /2558TS vs C2500
Energy saving	Energy consumption	Reduction ratio	20% or more reduction	<b>27%</b>	<b>34%</b>
				based on JFMA criteria	
(2) Selective requirement				M3048TG/M3058TG vs C2500	M2544TS /2548TS /2558TS vs C2500
Energy saving	Energy saving	Reduction ratio	20% or more reduction	<b>34%</b>	<b>37%</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>
	Operating oil	Consumption volume	10% or more reduction	<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	
Minimum recommendation requirement		3 items or more		<b>4 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.
- (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.
- (8) 2 Model names were changed from M2544,M2548 to M2544TG,M2548TG on December 4, 2018.
- (9) 4 models(M2044TC,2044TS,2048TS,2048TE)were taken off the list on September 15, 2020.