

Certification number & registered product		MF-P020 Hydraulic Servo Press		Product scope	ZENFormer series MPS4100
Registered company		HODEN SEIMITSU KAKO KENKYUSHO CO,LTD		Certified model	MPS4100
Reference product & production time		May, 2011		Reference model	STS-3219-100FG (SANKI SEIKO CO,LTD)
Requirement & environment factors		Evaluation item	Criteria	Evaluation results and score	
(1) Essential requirement					
Energy saving	Energy consumption	Reduction ratio	10% or more reduction	57%	
				Based on JFMA standard	
(2) Selective requirement					
Energy saving	Energy consumption	Energy consumption on loaded operation	10% or more reduction	58%	
Resource saving	Operating oil	Amount of use	10% or more reduction	×	
Environment conservation	Vibration/noise	Vibration on loaded operation	3% or more reduction	×	
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/management of environment info., vibration/noise, emission (atmosphere, soil)	Charged Capacitor	Power capacity reduction,full recovery/reuse of regenerative power		
		Die protect	Monitoring system of feed error/material out		
		Overrun monitor	Monitoring system of position		
		Overload monitor	Monitoring system of all motor torques		
		Maintenance counter	Preventive maintenance of each consumable parts		
		Error log	History management system for identifying abnormal locations/parts		
		Remote monitor	Monitoring system of press status/data trace using phone line/internet		
Minimum recommended requirement		3 items or more		7 items	