

Certified registration no. & registered product name	MF-P020 Mechanical Servo Press		Product scope	ZENFormer Series MPS4100
Registered name of corporation	HODEN SEIMITSU KAKO KENKYUSYO CO, LTD		Certified model	MPS4100
Production time of reference model	May, 2011		Reference model	STS-3219-100FG (Sanki Seiko co.LTD)
Requirements and environment factors	Evaluation items	Evaluation criteria	Evaluation results and/or remarks	
<b>(1) Essential requirement</b>				
Energy saving	Energy consumption	Reduction ratio	Reduce more than 15%	<b>57%</b>
				Based on JFMA standard
<b>(2) Selective requirement</b>				
Energy saving	Energy consumption	Reduction ratio	Reduce more than 15%	<b>58%</b>
Resource saving	Operating oil	Amount of use	Reduce more than 10%	<b>X</b>
Environment conservation	Vibration/noise	Vibration on loaded operation	3% or more reduction	<b>X</b>
Minimum selective requirement		More than 3 items		<b>3 items</b>
<b>(3) Recommended requirement</b>		Name of function/device	Summary of environmental load reduction	
Environmental factor	Energy saving, durability, long life, displaying / controlling environment info., vibration/noise and emission (air/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	