

Certification number & registered product		MF-P015 Hydraulic Servo Press		Product scope	500kN Side Frame Type Hydraulic Servo Press
Registered company		Osaka Jack Co., Ltd.		Certified model	500kN Side Frame Type Hydraulic Servo Press
Reference product & production time		October, 2007		Reference product	500kN 4 Pillars Type Hydraulic Press
Requirement & environment factors		Evaluation item	Criteria	Evaluation results and score	
(1) Essential requirement					
Energy saving	Energy consumption	Reduction ratio	10% or more reduction	55%	
				Based on JFMA criteria	
(2) Selective requirement					
Energy saving	Energy consumption	Reduction ratio	10% or more reduction	51%	
				Essential requirement based on JFMA criteria at loaded operation	
Resource saving	Compactification	Height	10% or more reduction	X	
	Operating oil	Amount of use	10% or more reduction	X	
Environment conservation	Hazardous material	Japan law & regulation	JFMA criteria	X	
Minimum selective requirement		3 items or more			4 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)	Special hydraulic circuit	Special cylinder design, hydraulic circuit enable sizable reduction of operating oil		
		Energy saving control	Servo controlled pump activation, stops pump operation while press is inoperative, and discharges least when press is in operation, enables to reduce power consumption.		
		Seal	Enhanced life by plane seal type packing and PTFE series guide		
		Cylinder fixing position	Compact sized by lowering height with positioning cylinder inside frame and eliminating upper frame		
		Photoelectric safety device	Standard equipped to secure safety of operator		
Minimum recommended requirement		3 items or more			5 items