

MF Eco machine Certification System Registry (Press Machines)

Registered: May 14, 2009

Certification number		MF-P004		Product Scope	Servomotor driven Screw Press 150ZES(H), 200ZES(H), 300ZES(H), 400ZES(H)		
Registered company		ENOMOTO MACHINE CO., LTD.		Certified Product	150ZES, 400ZES		
Criteria-based product(production)		120BF (April, 2002), 400ZFB (January, 2001)					
Requirements & environment factors		Evaluation item	Criteria	Evaluation result and/or remarks			
(1) Essential requirement				150ZESvs120BF	400ZESvs400ZFB		
Energy saving	Energy consumption	Reduction ratio	10% or more reduced	48%	38%		
				based on JFMA criteria			
(2) Selective requirement				150ZES vs120BF	400ZES vs400ZFB	other	
Energy saving	Energy Consumption	Reduction ratio	10% or more reduced	16%	37%	-	
				The reduction of power consumption per unit is applied at the time of loaded operations per JFMA criteria.			
Resources saving	Shrinkage of space/items	Number of air, hydraulic pressure	10% or more reduced	X	X	X	
	Air	Total consumptin volume	10% or more reduced	X	X	X	
	Lubricating oil	Consumption Volume	10% or more reduced	X	X	X	
Minimum selective requirement		3items or more		4 items	4 items	3 items	
(3) Recommendation requirement		Names of equipped devices/functions	Summary of effects on environmental burden reduction				
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Adoption of V belt	Elimination of friction type ring belt enables less maintenance frequency and improvement of running cost.				
		Power regeneration capability	At the time of slide's speed reduction and reduction to stop operation, electric power is regenerated thanks to the power regeneration function.				
		Energy saving control	Each electrical component stops after a certain stop period.				
		Lubrication oil supply to the screw parts	Oil supply to the screw parts is recycled for reduction of lubricating oil.				
		Constant supply of fixed volume of oil	Adoption of fixed supply valve enables the reduction of lubricating oil consumed.				
Minimum recommendation requirement		3 items or more		5 items			