

MF Eco machine Certification System Registry
(Sheet Metal Forming Machines)

Registered: Dec 3, 2019

Revised: Dec 15, 2022

Criteria revised: Jun. 21, 2024

Revised: Dec 10, 2025

Certification number	MF-B004(1/1) Hydraulic Servo Press Brake		Product scope	HG series							
Registered company	AMADA CO.LTD.		Certified Product	HG1703/1704/2203/2204							
Criteria-based product(production)	FBDⅢ1503NT/1504NT/2003NT/2004NT(2003年10月)										
Requirements & environment factors	Evaluation item	Criteria	Evaluation result and/or remarks								
(1) Essential requirement				HG1703 vs FBDⅢ 1503NT	HG1704 vs FBDⅢ 1504NT	HG2203 vs FBDⅢ 2003NT	HG2204 vs FBDⅢ 2004NT				
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	66%	69%	71%	72%				
based on JFMA criteria											
(2) Selective requirement				HG5020	HG8025	HG1003	HG1303				
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	64%	67%	70%	70%				
The reduction of power consumption per unit is applied at the time of loaded operations per JFMA criteria.											
Resource saving	Operating oil	Total consumption	10% or more reduced.	24%	24%	12%	12%				
Environment conservation	Hazardous materials	Safety Standard	Applied standard	○							
Minimum selective requirement 3 items or more				3 items							
(3) Recommendation requirement		Names of equipped	Summary of effects on environmental burden reduction								
Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)		Servo hydraulic type hybrid mechanism	Equipped with a servo hydraulic hybrid mechanism on the main axes to save energy (reduce power consumption)								
		Electric servo drive mechanism	Electric servo drive reduces rising temperature of oil, saving resources (reducing oil volume)								
		Laser type safety device	Secure operator safety by laser type safety device								
		Operation information management	Prevent troubles by collecting operation information								
Minimum recommendation requirement		3 items or more	4 items								