

Certified registration no. & registered product name		MF-B007 Plasma Cutting Machine		Product scope	Twister TFP510
Registered name of corporation		Komatsu Industries Corp.		Certified model	TFP510 (Rated output current 150A)
Production time of reference model		September, 2000		Reference model	KPD1251-5 (Rated output current 120A)
Requirements and environmental factors		Evaluation items	Evaluation criteria	Evaluation result and/or remarks	
(1) Essential requirement				TFP510 vs KPD1251	
Energy saving	Energy consumption	Reduction ratio	Reduce more than 20%	32%	
				Based on JFMA standard	
(2) Selective requirement				TFP510 vs KPD1251	
Energy saving	Energy consumption	Loaded power consumption	Reduce more than 20%	31%	
				Under JFMA standard, reduced power consumption per 1m cut length in loading operation	
Resource saving	Weight saving	Gross weight	Reduce more than 10%	X	
Environment conservation	Safety	Safety standard	Apply set standard	X	
Minimum selective requirement			3 items or more	3 items	
(3) Recommended requirement		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)	Twister gas control	Improvement in life of consumable		
		Push-pull fume/dust collecting system	Environment load reduction, light-weighted cutting machine		
		LCD display control panel	Reduction of power consumption		
		Life manager	Displaying consumable exchange timing		
Minimum requirement		3 items or more	4 items		