

FLUORESCENT MAGNETIC POWDER FLAW DETECTOR CODE MPI-FX1000

CAN BE CUSTOMIZED ACCORDING
TO CUSTOMER NEEDS

- Conform to standards GB/T15822.1~3, GB3721-83
 JB/T8290-2011, ASTM E1444-2016
- Specialized in non-destructive testing of the whole surface of ferrous materials
- With automatic program, it can realize a series of semi-automatic actions such as workpiece clamping, spraying, 360°rotation, compound magnetization, demagnetization, and releasing
- It has high inspection efficiency, low labor intensity of operators, and reliable practicality
- Touch screen
- With magnetization abnormality alarm to prevent the leakage of detection
- With independent stirring pump to ensure that the magnetic powder does not precipitate
- Suitable for non-destructive testing of various parts in aviation, aerospace, military, railroad, automobile, metallurgy, petrochemical, shipbuilding, pressure vessel and other industries



SPECIFICATION

Longitudinal magnetization potential AC: 0~12000AT Electrode spacing 0~400mm adjustable (pneumatic/manual) Magnetization sensitivity 15/50 clearly displayed on A sensitivity test piece Duty cycle ≥25%, continuous magnetization time maximium 3s Magnetization method circumferential magnetization, longitudinal magnetization, compound magnetization Clamping method pneumatic clamping Running mode pneumatic/manual Electrode plate Ø100mm Magnetizing coil coil inner diameter Ø200mm 2pcs, coil turns 6 turns Demagnetization automatic attenuating demagnetization, residual magnetism≤0.3mT Ultraviolet irradiance ≥3000μW/cm² (calibration at a distance of 381mm) Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	SPECIFICATION	
Electrode spacing 0~400mm adjustable (pneumatic/manual) Magnetization sensitivity 15/50 clearly displayed on A sensitivity test piece Duty cycle ≥25%, continuous magnetization time maximium 3s Magnetization method circumferential magnetization, longitudinal magnetization, compound magnetization Clamping method pneumatic clamping Running mode pneumatic/manual Electrode plate Ø100mm Magnetizing coil coil inner diameter Ø200mm 2pcs, coil turns 6 turns Demagnetization automatic attenuating demagnetization, residual magnetism≤0.3mT Ultraviolet irradiance ≥3000μW/cm² (calibration at a distance of 381mm) Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Circumferential magnetizing current	AC: 0~1000A
Magnetization sensitivity 15/50 clearly displayed on A sensitivity test piece Duty cycle ≥25%, continuous magnetization time maximium 3s Magnetization method circumferential magnetization, longitudinal magnetization, compound magnetization Clamping method pneumatic clamping Running mode pneumatic/manual Electrode plate Ø100mm Magnetizing coil coil inner diameter Ø200mm 2pcs, coil turns 6 turns Demagnetization automatic attenuating demagnetization, residual magnetism≤0.3mT Ultraviolet irradiance ≥3000μW/cm² (calibration at a distance of 381mm) Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Longitudinal magnetization potential	AC: 0~12000AT
Duty cycle ≥25%, continuous magnetization time maximium 3s discremential magnetization, longitudinal magnetization, compound magnetization pneumatic clamping Running mode pneumatic/manual Electrode plate Ø100mm Magnetizing coil coil inner diameter Ø200mm 2pcs, coil turns 6 turns Demagnetization ultraviolet irradiance Power supply 380V three-phase alternating current, 50Hz Air supply Operation environment ≥25%, continuous magnetization, longitudinal magnetization, compound magnetization pneumatic clamping pneumatic clamping Ø100mm automatic attenuating demagnetization, residual magnetism≤0.3mT ≥3000µW/cm² (calibration at a distance of 381mm) 380V three-phase alternating current, 50Hz Operation environment temperature:-5~45°C, relative humidity: ≤90%	Electrode spacing	0~400mm adjustable (pneumatic/manual)
Magnetization method circumferential magnetization, longitudinal magnetization, compound magnetization Clamping method pneumatic clamping Running mode pneumatic/manual Electrode plate Ø100mm Magnetizing coil coil inner diameter Ø200mm 2pcs, coil turns 6 turns Demagnetization automatic attenuating demagnetization, residual magnetism≤0.3mT Ultraviolet irradiance ≥3000μW/cm² (calibration at a distance of 381mm) Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Magnetization sensitivity	15/50 clearly displayed on A sensitivity test piece
Clamping method pneumatic clamping Running mode pneumatic/manual Electrode plate Ø100mm Magnetizing coil coil inner diameter Ø200mm 2pcs, coil turns 6 turns Demagnetization automatic attenuating demagnetization, residual magnetism≤0.3mT Ultraviolet irradiance ≥3000μW/cm² (calibration at a distance of 381mm) Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Duty cycle	≥25%, continuous magnetization time maximium 3s
Running mode pneumatic/manual Electrode plate Ø100mm Magnetizing coil coil inner diameter Ø200mm 2pcs, coil turns 6 turns Demagnetization automatic attenuating demagnetization, residual magnetism≤0.3mT Ultraviolet irradiance ≥3000μW/cm² (calibration at a distance of 381mm) Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Magnetization method	circumferential magnetization, longitudinal magnetization, compound magnetization
Electrode plate Ø100mm Magnetizing coil coil inner diameter Ø200mm 2pcs, coil turns 6 turns Demagnetization automatic attenuating demagnetization, residual magnetism≤0.3mT Ultraviolet irradiance ≥3000μW/cm² (calibration at a distance of 381mm) Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Clamping method	pneumatic clamping
Magnetizing coil coil inner diameter Ø200mm 2pcs, coil turns 6 turns Demagnetization automatic attenuating demagnetization, residual magnetism≤0.3mT Ultraviolet irradiance ≥3000μW/cm² (calibration at a distance of 381mm) Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Running mode	pneumatic/manual
Demagnetization automatic attenuating demagnetization, residual magnetism≤0.3mT Ultraviolet irradiance ≥3000μW/cm² (calibration at a distance of 381mm) Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Electrode plate	Ø100mm
Ultraviolet irradiance ≥3000µW/cm² (calibration at a distance of 381mm) Power supply 380∨ three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Magnetizing coil	coil inner diameter Ø200mm 2pcs, coil turns 6 turns
Power supply 380V three-phase alternating current, 50Hz Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Demagnetization	automatic attenuating demagnetization, residual magnetism≤0.3mT
Air supply 0.4~0.7MPa Operation environment temperature:-5~45°C, relative humidity: ≤90%	Ultraviolet irradiance	≥3000µW/cm² (calibration at a distance of 381mm)
Operation environment temperature:-5~45°C, relative humidity: ≤90%	Power supply	380V three-phase alternating current, 50Hz
	Air supply	0.4~0.7MPa
Dimension (L×W×H) 1900×800×1750mm	Operation environment	temperature:-5~45°C, relative humidity: ≤90%
, , , , , , , , , , , , , , , , , , ,	Dimension (L×W×H)	1900×800×1750mm
Net weight 700kg	Net weight	700kg

STANDARD DELIVERY

STANDARD DELIVERY	
Electrical control system	1 pc
Magnetized power system	2 pcs
Spray system	1 pc
Magnetic suspension recovery device	1 pc
Ultraviolet flaw detection lamp	1 pc
Demagnetization system	1 pc