

FLUORESCENT MAGNETIC PARTICLE 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 particle 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

Circumferential magnetizing current	AC: 0~1000A
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 maximum 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/cm ² (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%
Dimension (L×W×H)	1900×800×1750mm
Net weight	700kg

STANDARD DELIVERY

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