

# FLUORESCENT MAGNETIC POWDER FLAW DETECTOR

## PART No. 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

<b>Circumferential magnetizing current</b>	AC: 0~1000A
<b>Longitudinal magnetization potential</b>	AC: 0~12000AT
<b>Electrode spacing</b>	0~15.75" adjustable (pneumatic/manual)
<b>Magnetization sensitivity</b>	15/50 clearly displayed on A sensitivity test piece
<b>Duty cycle</b>	≥25%, continuous magnetization time maximum 3s
<b>Magnetization method</b>	circumferential magnetization, longitudinal magnetization, compound magnetization
<b>Clamping method</b>	pneumatic clamping
<b>Running mode</b>	pneumatic/manual
<b>Electrode plate</b>	3.94"DIA
<b>Magnetizing coil</b>	coil inner diameter 7.87"DIA 2pcs, coil turns 6 turns
<b>Demagnetization</b>	automatic attenuating demagnetization, residual magnetism≤0.3mT
<b>Ultraviolet irradiance</b>	≥3000μW/cm <sup>2</sup> (calibration at a distance of 15")
<b>Power supply</b>	380V three-phase alternating current, 50Hz
<b>Air supply</b>	0.4~0.7MPa
<b>Operation environment</b>	temperature:23°F~113°F, relative humidity: ≤90%
<b>Dimension (L×W×H)</b>	74.80×31.50×68.90"
<b>Net weight</b>	1543lb

### STANDARD DELIVERY

<b>Electrical control system</b>	1 pc
<b>Magnetized power system</b>	2 pcs
<b>Spray system</b>	1 pc
<b>Magnetic suspension recovery device</b>	1 pc
<b>Ultraviolet flaw detection lamp</b>	1 pc
<b>Demagnetization system</b>	1 pc