



MPI Machine for Aerospace Parts



Features

- ✓ AC Drive for Pump Control.
- ✓ Reverse agitation bath system.
- ✓ Stainless Steel collection tray.
- ✓ Steady Rollers for job placement.
- ✓ Digital, stepless current control.
- ✓ Both sides have Pneumatic clamping.
- ✓ Stainless Steel liquid storage tank.
- ✓ 7 Inch Touch Screen for control & display.
- ✓ Standard make PLC & HMI. Easily serviceable.
- ✓ Operator controlled an automatic double shot.
- ✓ Continuously movable tailstock with cam lock.
- ✓ AC to FWDC changeover uses solid-state circuitry.
- ✓ PLC-Based Control. Automatic Cycle for faster testing.
- ✓ 50 Program memory to store settings for different parts.
- ✓ Error displayed on the touch screen for easy diagnostics.
- ✓ Feedback loop-based current control with current failure indicator.
- ✓ Independent current control for Circular and longitudinal magnetization.
- ✓ Integrated decaying-AC demagnetization with automatic changeover to AC.
- ✓ Range Selection switch for enhanced pulse width in low amperage settings.

**TOP MAGNETIC PARTICLE TESTING
EQUIPMENT MANUFACTURERS
IN INDIA**

28
SINCE 1996
YEARS
Experience



Specifications

Control Voltage	24V DC	Power Supply	2 Phase 2 Wire 415V AC/220V AC
Frequency	50Hz or 60Hz	Maximum Part Length Accommodation	From 600mm upto 1500mm
Pneumatic Pressure Required	4-6 Kg/cm ²	Maximum Part Diameter	From 150mm upto 300mm
Maximum Part Weight	450Kg	Coil Diameters	300mm, 400mm, 500mm
Storage Bath Capacity	25 L	Headshot Current Capacity	From 3000A upto 6000A
Touch Screen Display Size	7" Diagonal	Shot Time	Adjustable from 0.5 sec 2.0 sec

Horizontal Clamping Models

Model	Head Shot Capacity	Coil Shot Capacity	Coil Inside Dia.	Max. Part Length	Maximum Part Dia.
MK-30-C-60-AF	3000A AC & FWDC	10.0 KAT AC & FWDC	300mm	600mm	150mm
MK-30-C-120-AF	3000A AC & FWDC	10.0 KAT AC & FWDC	300mm	1200mm	150mm
MK-40-C-100-AF	4000A AC & FWDC	10.0 KAT AC & FWDC	400mm	1000mm	200mm
MK-40-C-150-AF	4000A AC & FWDC	10.0 KAT AC & FWDC	400mm	1500mm	200mm
MK-50-C-100-AF	5000A AC & FWDC	10.0 KAT AC & FWDC	400mm	1000mm	250mm
MK-50-C-150-AF	5000A AC & FWDC	10.0 KAT AC & FWDC	400mm	1500mm	250mm
MK-60-C-100-AF	6000A AC & FWDC	10.0 KAT AC & FWDC	500mm	1000mm	300mm
MK-60-C-150-AF	6000A AC & FWDC	10.0 KAT AC & FWDC	500mm	1500mm	300mm

BENEFITS

- ✓ Feedback loop ensures repeatability.
- ✓ Pneumatic clamping ensures no sparks.
- ✓ 7-inch Touch Screen for operator comfort.
- ✓ Low voltage output for operator safety.
- ✓ SCR-based digital current control for accuracy & precision
- ✓ Reverse agitation system keeps the powder always dissolved in the carrier fluid.
- ✓ Complies with aerospace standards for magnetic particle testing.
- ✓ Operator controlled the Poka yoke for the demagnetization cycle.

APPLICATIONS

- ✓ Aerospace parts
- ✓ Oil field equipment parts
- ✓ Marine Industry parts

Related Products



Demagnetizers



LED UV Lights



Residual Field Indicators



UV Light Intensity Meter

Accessories included

ASTM Pie Gauge

Centrifugal Tube with Stand

Copper Braided Contact Pads



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WE ARE HAPPY TO SERVE YOU

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