



# Standard MPI Machine



## Features

- ✓ Easily Serviceable.
- ✓ Pneumatic clamping.
- ✓ V Blocks for job placement
- ✓ Reverse agitation bath system.
- ✓ Digital, stepless current control.
- ✓ Stainless Steel liquid storage tank.
- ✓ AC/HWDC changeover for headshot.
- ✓ Very few electronic parts. Easily serviceable.
- ✓ Continuously movable tailstock with cam lock.
- ✓ Two large digital readout ampere meters with retention.
- ✓ Integrated decaying-AC demagnetization with automatic control.
- ✓ Feedback loop-based current control with current failure indicator.
- ✓ Independent transformers & current control for Circular and longitudinal magnetization.

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

**28**  
SINCE 1996  
YEAR'S  
Experience



## Specifications

Control Voltage	24V DC	Power Supply	3 Phase 4 Wire 415V AC/220V AC
Frequency	50Hz or 60Hz	Maximum Part Length Accommodation	Starting from 400mm going up to 1200mm
Pneumatic Pressure Required	4-6 Kg/cm <sup>2</sup>	Maximum Part Diameter	Starting from 75mm going up to 200mm
Maximum Part Weight	150Kg	Coil Diameters	200mm, 300mm, 450mm
Storage Bath Capacity	25 L	Headshot Current Capacity	Models starting from 1500A going up to 4000A
Touch Screen Display Size	7" Diagonal	Shot Time	1.0 Seconds

## Horizontal Clamping Models

Model	Head Shot Capacity	Coil Shot Capacity	Coil Inside Diameter	Max. Part Length	Maximum Part Diameter
MK-15-C-40-S	1500A AC & HWDC	7.5 KAT AC	200mm	400mm	75mm
MK-20-C-60-S	2000A AC & HWDC	7.5 KAT AC	300mm	600mm	100mm
MK-20-C-120-S	2000A AC & HWDC	7.5 KAT AC	300mm	1200mm	100mm
MK-30-C-60-S	3000A AC & HWDC	10.0 KAT AC	300mm	600mm	150mm
MK-30-C-120-S	3000A AC & HWDC	10.0 KAT AC	300mm	1200mm	150mm
MK-40-C-120-S	4000A AC & HWDC	10.0 KAT AC	450mm	1200mm	200mm

## BENEFITS

- ✓ SCR-based digital current control for accuracy & precision
- ✓ Feedback loop ensures repeatability
- ✓ Reverse agitation system keeps the powder always dissolved in the carrier fluid
- ✓ Pneumatic clamping ensures no sparks
- ✓ Large easy digital readout for operator comfort
- ✓ No changeover sound
- ✓ Low voltage output for operator safety
- ✓ Cost Effective

## APPLICATIONS

- ✓ Magnetic particle inspection of automotive parts such as shafts, axles, connecting rods, hubs, couplings, steering parts etc.
- ✓ Sample testing in steel industry
- ✓ Ferrous raw material testing in all industries
- ✓ Oil field equipment parts
- ✓ Railway parts
- ✓ Education & training

## 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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