

# Universal WE

## Multi-Directional Magnetic Wet Bench with AC Magnetization

The Universal WE magnetic wet bench offers 200 - 2,000 Amps AC for contact shots and 1,500 - 15,000 Amp-turns AC for coil shots. This MPI bench provides time-saving multi-directional magnetization.

The two outputs are independently adjustable to set each magnetic field, circular or longitudinal.



*\*UV lamps shown are available as an upgrade option*

### BENEFITS

#### Faster part processing

- Double your inspection speed by magnetizing parts in a single shot
- Fully inspect longer parts, up to 35.4 in / 90 cm, without requiring an auxiliary coil
- Speed up part processing with a large automated surface shower

#### Advanced process control

- Maximize consistency between tests with 1,000 customer-programmable techniques
- Prevent accidental and unauthorized alterations with multiple user profiles and varying tiers of control for a range of operator experience levels
- Receive visual alerts when produced amperage is 90% or less than set amperage

#### Real world dependability for minimal downtime

- Siemens PLC provides reliable controls and off-the-shelf replacements
- Rely on our industry leading warranty with best in-class service delivered by a global network of trained Magnaflux authorized service centers
- Minimize downtime with standard spare parts package

#### Easy to use and maintain

- Make quick operational adjustments using the simple, user-friendly operator interface with touch-screen controls
- External pump system provides fast access for easy cleaning and service

## STANDARD FEATURES

- 60% duty cycle at 50% power output with a max of 6 seconds on and 4 seconds off
- Large surface shower to bathe entire part automatically with mag shot
- Siemens PLC
- Advanced touch-screen operator interface
- 1,000 customer-programmable techniques
- CE certified
- Safety stroke of 7 mm to prevent pinch point injuries
- User-controlled security systems with password protection, supervisor locks and customizable operator access profiles
- External pump system for particle bath agitation, circulation and application
- Adjustable mag shot time
- Two large, easy-to-read, digital ammeters confirming amperage sent through the part
- Dimmable UI display helps reduce operator eye fatigue and keeps ambient light below required minimums
- Current control circuitry maintains the actual current value during magnetization in accordance with the selected value
- Receive visual alerts when produced amperage is 90% or less than set amperage
- Current flow diagnostic system and integrated AC demagnetization for both magnetizing circuits
- Automatic sequencing mode to bathe and magnetize part according to pre-set parameters
- Meets the requirements of ASTM E1444, ASTM E709 and ASTM E3024

## UPGRADE OPTIONS

- Inspection enclosure hood with ventilation fan and flame-resistant curtains for a darkened inspection area without sacrificing function and operator comfort, includes an EV6000 UV lamp
- Roller supports for long parts, such as steering racks, with adjustable height and diameter
- ST700 stationary overhead LED UV lamp, 100-240 V, 50-60 Hz

## PRODUCT PROPERTIES

<b>Magnetizing Current Capacity</b>	<b>AC Contact</b>	200 - 2,000 A
	<b>AC Coil</b>	1,500 - 15,000 A-turns
<b>Maximum Part Length</b>		35.4 in / 90 cm
<b>Maximum Part Diameter</b>		17.7 in / 45 cm
<b>Maximum Part End Diameter</b>		5.5 in / 14 cm
<b>Maximum Part Weight Capacity</b>		220 lb / 100 kg
<b>Available Voltages</b>		480 V, 575 V
<b>Available Frequencies</b>		60 Hz

## CONFIGURATION OPTIONS

- Divided headstock, with third magnetization circuit to support Y-shaped parts
- Dual-Palm Button eliminates risk of injury from pinch points

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