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.

**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

*UV lamps shown are available as an upgrade option*
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

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

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