Universal WE

Multi-Directional Magnetic Wet Bench with AC Magnetisation

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 magnetisation.

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

UV lamps are available as an upgrade option

BENEFITS

Faster part processing

- Double your inspection speed by magnetising parts in a single shot
- Fully inspect longer parts, up to 900 mm*, without requiring an auxiliary coil
- Speed up part processing with a large automated surface shower*

Advanced process control

- Maximise consistency between tests with 1,000 customer-programmable techniques*
- Prevent accidental and unauthorised alterations with multiple user profiles and varying tiers of control for a range of operator experience levels*
- Bar Code Scanner helps minimise part processing time and speeds up the inspection process by automating part entry and test parameter selection*
- Receive visual alert when produced amperage is 90% or less than set amperage

* Optional upgrades

Real world dependability for minimal downtime

- Siemens PLC provides reliable controls and off-the-shelf replacements
- Best-in-class service delivered by a global network of trained Magnaflux authorised service centres
- Minimise 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

Universal WE

STANDARD FEATURES

- 60% duty cycle at 50% power output with a max of 6 seconds on and 4 seconds off
- Siemens PLC
- Advanced touch-screen operator interface
- 1-year warranty on parts and labour
- CE certified
- Safety stroke of 7 mm to prevent pinch point injuries
- 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 magnetisation in accordance with the selected value
- Receive visual alert when produced amperage is 90% or less than set amperage
- Current flow diagnostic system and integrated AC demagnetisation for both magnetising circuits
- Meets the requirements of ASTM E1444, ASTM E709 and ASTM E3024

UPGRADE OPTIONS

- In addition, HWDC Output 200 - 2000 Amps / 1500-15,000 Amp-Turns
- Increase part capacity to 900 mm
- Large surface shower to bathe entire part automatically with mag shot
- 1,000 customer-programmable techniques
- User-controlled security systems with password protection, supervisor locks and customisable operator access profiles
- Automatic sequencing mode to bathe and magnetise part according to pre-set parameters
- Bar Code Scanner: electronically access your part-specific technique parameters on-screen using bar code system
- Inspection enclosure hood with ventilation fan and flame-resistant curtains for a darkened inspection area without sacrificing function and operator comfort
- Roller supports for steering racks with adjustable height and diameter
- ST700 stationary overhead LED UV lamp, 100-240 V, 50-60 Hz

CONFIGURATION OPTIONS

- Divided headstock, with third magnetisation circuit to support Y-shaped parts
- Dual-Touch Sensor eliminates risk of injury from pinch points

Universal WE

PRODUCT PROPERTIES

Magnetising Current Capacity	**AC Contact**	200 - 2,000 A
	AC Yoke	1,500 - 15,000 A-turns
Maximum Part Length		600 mm or 900 mm
Maximum Part Diameter		450 mm
Maximum Part End Diameter		140 mm
Maximum Part Weight Capacity		100 kg
Available Voltages		400 V
Available Frequencies		50 Hz

PART NUMBERS

Universal WE standard: 022690
Universal WE extension: 022691