

## PBU 350

### PORTABLE MAGNETIC PARTICLE INSPECTION BENCH



#### FEATURES

- Only requires a 13 Amp supply.
- Working Ranges: Current Flow 1000 AMPS AC RMS (1800Amps Peak equivalent).  
HWDC 700 AMPS Twice Mean (=MagAmps), 350Amps Mean equivalent.
- Stainless steel construction.
- Compact with integral Power Pack.
- AC / HWDC magnetising.
- Shot times of 1, 2 and 3 seconds as standard (dual shot times also available).
- Demagnetisation cycle.
- Gas spring pressure on Headstock & Manual Locking Tailstock.
- Current Flow - copper braid contact pads & V-block supports.
- Footswitch for ease-of-use.
- Optional Flux Flow.
- Optional "Bi-Directional" Coils.
- Optional Current Pre-Selection system.

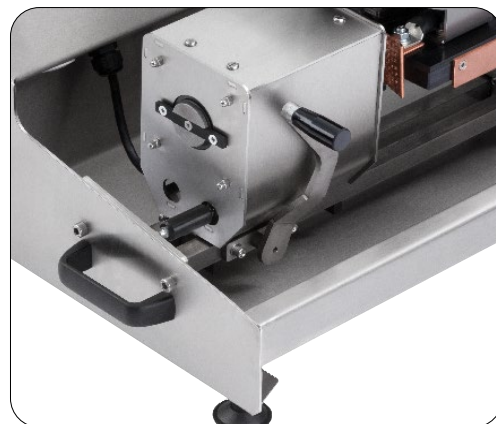
The PBU 350 Portable Magnetic Particle Inspection (MPI) Bench Unit offers great MPI performance teamed with the outstanding quality that Baugh & Weedon is known for. With an established history of designing and building MPI benches of all sizes, it is fitting that we have added the portable bench option to our range.

As well as the key features, there are various aspects of the PBU design that set it apart in the marketplace including the ability to add an inking system to the unit offering maximum flexibility to the inspector.

The PBU uses a gas spring to provide the clamping pressure on the headstock that ensures optimum electrical contact with the component under test.

We have also developed the coil to offer bi-directional clamping allowing the coil to be manually rotated at 90° for maximum inspection flexibility.

<b>Current Waveforms</b>	AC, HWDC as standard with Single Phase FWDC as optional
<b>Dimensions</b>	800mm x 550mm x 380mm (31.5" x 21.5" x 15")
<b>Output</b>	Current Flow 1000 AMPS AC RMS (1800Amps Peak equivalent) HWDC 700 AMPS Twice Mean (=MagAmps), 350 Amps Mean equivalent
<b>Power Input</b>	220V-10 Amps. (Dual voltage version available, 110V-30 amps/220V-10Amps)
<b>Max Component Length</b>	Up to 350 mm (13.8")
<b>Metering</b>	Digital
<b>Contact Pads</b>	50mm x 60mm Braided Copper Pads
<b>Clamping</b>	Headstock with gas spring pressure clamping and manually locked tailstock
<b>Coil Option</b>	100 or 150mm Diameter 3 turn Copper Coil
<b>Flux Flow Option</b>	Coils in Head & Tailstock powered by FWDC - max output 20000 Amp Turns
<b>Demag Cycle</b>	Current Flow - Decaying AC demag cycle. Flux Flow - Low frequency, reversing polarity, decaying current.
<b>Weight</b>	Approx 80kg (176lbs)
<b>Calibrated</b>	Traceable Calibration with Certificate
<b>Shot Time</b>	Selection 1, 2 & 2x1 second (other options available)



Gas Spring Pressure On Headstock for optimum electrical contact with the component under test.



90° Coil Rotation for maximum flexibility



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