

OPERATING INSTRUCTIONS PB-5 MAGNETIC INSPECTION POWDER BLOWER

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The PB-5 Magnetic Powder Blower provides several unique design features that result in simplicity and maximum reliability for the application of dry magnetic inspection powder under severe and constant operating conditions.

The PB-5 is designed to operate from an 115VAC, 60Hz power source and requires no other connections. The PB-5S is designed to operate from a 230VAC, 50Hz power source. A twelve-foot powder supply hose supplies powder from the internal five-pound powder reservoir. The associated control cable provides low voltage (12V) power for the inspection light and trigger control built into the aluminum handgun assembly.



Figure 1

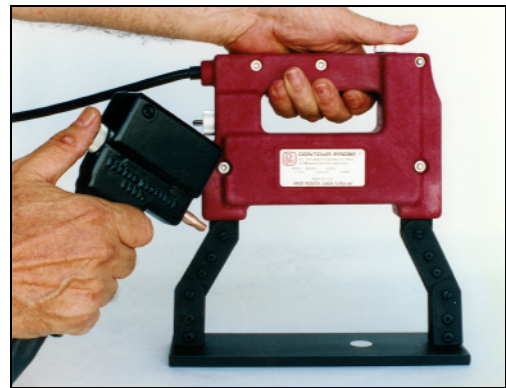


Figure 2

OPERATION: Raising the cover of the powder blower case exposes the powder reservoir. The powder supply hose and control cable are attached internally and exit through an opening in the side of the case. Remove the lid of the powder reservoir and fill with clean and dry magnetic inspection powder two to three inches from the top. Replace the lid, close and latch the case cover. After connecting to a Grounded 115VAC power source, turn the unit on by accessing the power switch located through the opening in the cover.

Depressing the powder trigger control on the handgun will activate powder flow immediately and continuously until released. After release, powder flow will stop and a steady flow of air will be provided for excess powder removal. **Note:** Upon first filling the powder reservoir or when powder level becomes too low, powder flow may not stop at once when the trigger is released. This condition will last only momentarily.

POWDER APPLICATION: With the magnetizing source energized, apply powder with a sweeping motion of the powder nozzle across the magnetized area. **It is important to maintain the nozzle approximately twelve (12) inches away from the work surface so that the powder is lightly dusted over the entire area.** Continue to hold the trigger control switch until sufficient powder build-up has been obtained. This will ensure maximum sensitivity for small indications. To remove excess powder, release the trigger control, and with the magnetizing source still energized, sweep the nozzle across the test area within three to four inches of the work surface gently blowing away excess powder. Only powder build-up on defect indications should remain.

WARRANTY: The PB-5 Powder Blower is warranted against defective materials and workmanship for a period of ninety (90) days from the date of shipment. In the event service is required, the Powder Blower should be returned to the factory. Be sure to remove powder prior to shipping.

CAUTION: Proper training of operating personnel to required inspection techniques, specifications and safety requirements is necessary for the safe use of this equipment and is the obligation of the user. **ALWAYS WEAR EYE PROTECTION WHEN USING THIS EQUIPMENT.**

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