



Paul N. Gardner Company

MICROM II FILM APPLICATOR PAINT APPLICATION

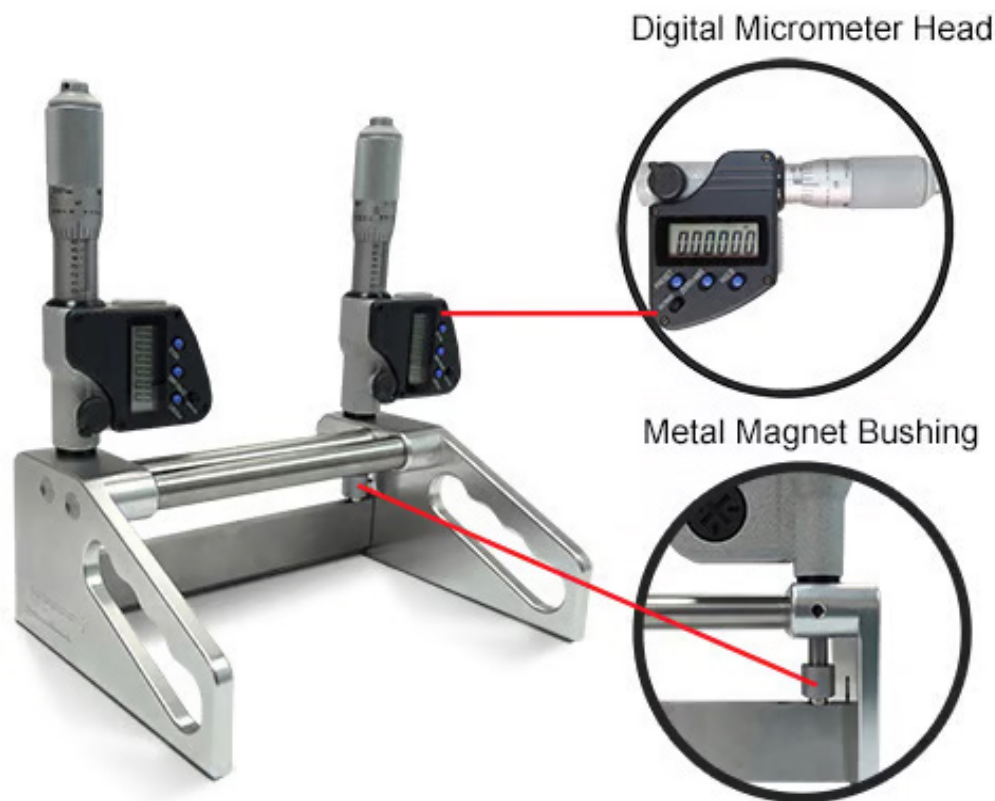
Instructions for using the Microm II
Digital Film Applicator.



Microm II Film Digital Applicator



Microm II Digital Film Applicators is an adjustable micrometer film applicators designed to produce fast, accurate, and repeatable drawdowns. It uses two precision digital micrometers to set blade clearance for controlled wet film application on test panels and other flat substrates.



Application Procedure

1. Place the applicator at the upper end of the test panel.
2. Pour or place the coating material directly in front of the knife blade.
3. Draw the applicator toward the lower end of the panel at a uniform speed of approximately 10–12 in/s (250–300 mm/s).
4. Immediately clean the applicator after use and thoroughly dry the blade.

Caution: Do not wet or immerse the digital micrometer heads.



Digital Micrometer Zero Setting Procedure

Preparation

- Place the applicator on a polished granite surface plate or a suitable plate-glass surface.

Zero Adjustment

- Set both digital micrometers to zero.
- Verify that the blade contacts the flat surface evenly along its entire length without lifting either side plate.

Light Gap Inspection

- Position the applicator between a bright light source and the observer.
- Confirm that no light is visible beneath the blade or side plates.

Zero Verification

- Verify the micrometer zero reading.
- If required, press the ZERO button on each digital micrometer to reset the display to zero.
- Repeat the inspection and verification steps until proper zero alignment is achieved.

Final Inspection

- Inspect the blade and magnetic surfaces for any foreign material, such as iron filings or metallic debris. Remove any contamination, as it may affect calibration accuracy.

