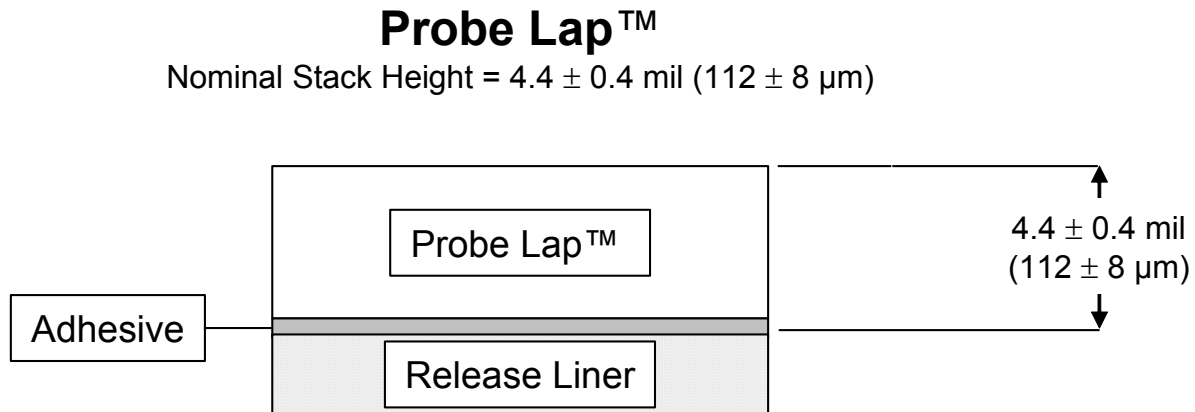


Probe Lap™ on Abrasion Plate

Probe Lap™ can be mounted on various substrates and abrasion plates used for on-line and off-line probe cleaning. In many instances, **Probe Lap™** can be used as a direct replacement for on-line lapping film applications. Advanced and fine pitch probe card technologies cannot withstand severe frictional shear loading or surface deformation against any sort abrasive pad. As such, **International Test Solutions (ITS)** generally recommends a non-destructive, low impact cleaning technique such as **Probe Clean™** or **Probe Polish™** to collect debris, clean the contact surface, and maintain the tip shape.

CROSS SECTION



Probe Lap™ is color coded: 1- μ m grit is “violet” and 3- μ m grit is “dark green”.

RECOMMENDED SETUP

1. Install the **Probe Lap™** on the abrasion plate.
 - a. Remove back protective cover to expose adhesive.
 - b. Place the **Probe Lap™** on abrasion plate starting at one edge and press it into place to exclude all air pockets that may get trapped between the two surfaces.
2. Modify the cleaning utility program to overdrive on the cleaning material with an overtravel comparable to the probing overtravel.
3. Set the surface height of the lapping film as the “new cleaning height” for the abrasion plate (the lapping film is non-conductive). The calibration procedure is defined for each prober equipment manufacturer. Please reference the proper calibration procedure to set the new height of the abrasion plate or cleaning unit. This procedure may be referenced in “maintenance” documents for your specific system and may require additional tooling such as a micrometer to complete the procedure. Failure to perform this calibration procedure could result in damage to the cleaning material or possible damage to the probes. Do not proceed beyond this point without first performing the cleaning unit calibration.
4. The cleaning recipe must move over the entire surface area, ensuring that the probe array remains within the **Probe Lap™** surface area.

Contact **International Test Solutions** at 775-284-9220, or via email at techsupport@inttest.net, to discuss your specific probe card cleaning application and requirements.

Probe Lap™ is a registered trademark of International Test Solutions.