

Installation Instructions for Texture Accessory Part TA-EP

TA-EP – Eye Pencil Test Fixture

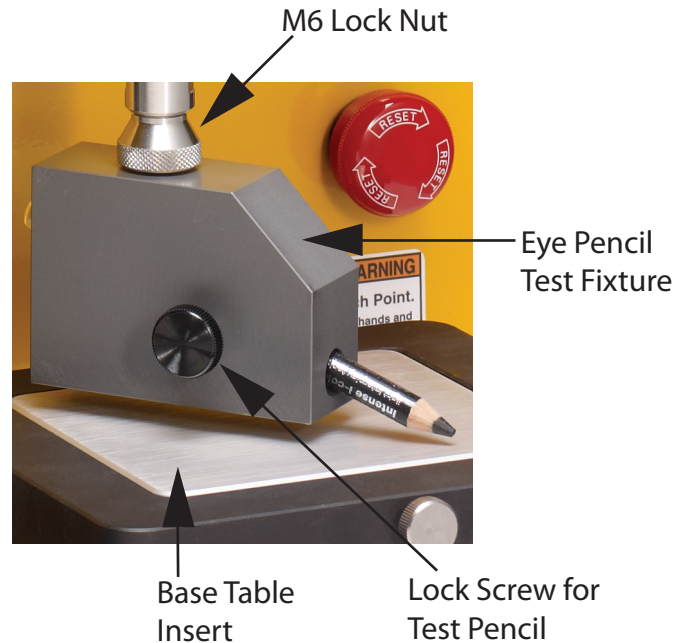
The Eye Pencil Test Fixture measures the integrity and quality of the core material in the eye pencil used by the customer to apply coloration and crisp line definition to the eyebrow and lips. Therefore, sharpening of the core material to a fine point is one performance requirement; withstanding the application force on the pencil tip by the end user when lining the eyebrow is another. The core material is blended with waxy additives that provide cohesiveness and some degree of rigidity, which can be physically measured in a hardness test using the CT3 Texture Analyzer with the TA-EP fixture.

The eye pencil will experience different temperatures in storage between time of manufacture and purchase by the customer; the core material must not succumb to brittleness or exhibit crumbling behavior within a defined time period (typically specified by Marketing).

The TA-EP is mounted onto the CT3 Texture Analyzer. The pencil is secured in the fixture. The assembly moves downward at a defined rate of travel, typically 0.5 mm/sec, to the Fixture Base Table. The pencil tip makes contact with the Base Table insert and applies increasing force until the tip of the pencil snaps.

The hardness measurement for an eye pencil tip is important; its texture should be such that upon application by the end user, it glides along the skin smoothly and effortlessly with easy control and flexibility. The consistency of the eyeliner together with its soft texture will influence its performance. For instance, a tip that is quite dry may cause discomfort to the user during application by pulling or tugging at delicate eye tissue.

The target distance for downward travel of the TA-EP should be chosen so that the Fixture does not touch the Base Table Insert; otherwise the CT3 instrument will overload. The measured hardness values will increase in proportion to longer travel distance for TA-EP. For comparison purposes, travel distance, and the position length of the pencil being tested should ideally be held constant.



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Test Set Up:

1. Attach the Eye Pencil Fixture onto the CT3 Texture Analyzer.
2. Place the pencil test sample into the diagonal hole of the Fixture.
3. Position the Fixture Base Table under the pencil tip and tighten the screws.
4. Lower the Eye Pencil Fixture to 1 cm above the Fixture Base Table.
5. Reposition the eye pencil as desired to ensure that the pencil tip is at an angle relative to the Base Table.

Test the hardest sample first in order to predict the maximum force range that will be needed for subsequent samples. Other pencil types can also be tested with TA-EP.



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