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ULTRANANOTECH PVT. LTD.

Materials Beyond Imagination

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Ultra-Flat Gold Surfaces

Template-Stripped Gold Chips provide an ultra-flat pristine gold surface for research applications including AFM and SEM, biosensor development, and studies of self-assembled monolayers. The chips are fabricated by coating the flattest available prime grade silicon wafers or freshly-split mica, with no adhesion layer. Then, 1-cm x 1-cm square glass chips are epoxy-glued to the surface of the gold. The gold surface you use is the one in contact with the mica substrate, so it is ultra-flat and protected from the atmosphere until you are ready to use it.

Features & Benefits

RMS roughness approaching atomic flatness.

Uncontaminated Surface – Gold is protected from the atmosphere until stripped from the template, providing a pristine surface free from organics and other atmospheric contaminants.

Ready to Use – Chips do not require cleaning, eliminating the need for hazardous cleaning solutions or expensive cleaning equipment.

Convenient – Multiple chips per template make it easy to prepare fresh, clean, and ultraflat chips just seconds before your next experiment.

All chips are aluminosilicate glass

Template Stripped Gold – Mica 1 cm x 1 cm glass chips adhered to a 200 nm gold-coated mica template.



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