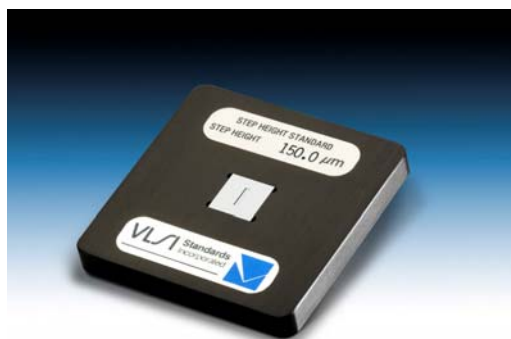


Ultra Thick Step Height Standards (Silicon Die)

TAKE A STEP UP! Ultra Thick Step Height Standards (UTSHS) are designed to calibrate mechanical or optical surface profilers where steps of 100 μm or above are required. These standards consist of a 10 mm x 10 mm silicon die mounted on a 50 mm x 50 mm x 5 mm anodized aluminum substrate.

Pictured is a nominal 150 μm Ultra Thick Step Height Standard.

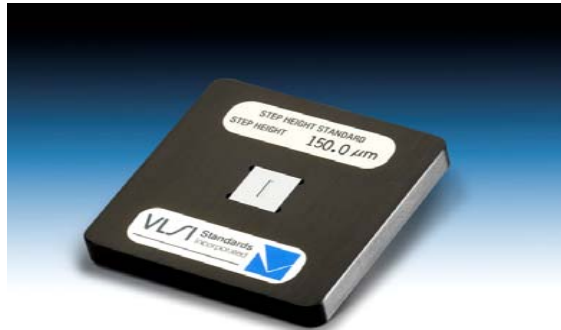


PRODUCT SPECIFICATIONS

- **Nominal Step Heights:**
150 μm , 200 μm , and 250 μm
- **Silicon Die Size:**
10 mm x 10 mm
- **Substrate Size**
50 mm x 50 mm x 5 mm
- **Uncertainty**
0.05% or better.
- **Traceability**
Traceable through PTB
Calibrated Specimens

PRODUCT DESCRIPTION

The Ultra Thick Step Height Standards consist of a trench etched into a silicon die. The width of the trench is approximately 1 mm. The length of the trench is approximately 4.5 mm. The calibrated area is clearly marked with pointers. The single crystal silicon material that the standard is made of assures a very flat and smooth working surface as well as parallelism of the top and bottom surface. These standards are extremely accurate with a stated 0.05% or better uncertainty. The standard is mounted on an extremely flat, scratch resistant, anodized aluminum substrate.



UTSHS

Ultra Thick Step Height Standard

Application: Step Height Calibration
 Equipment: Optical and Mechanical Profiler
 Features: Step height etched into silicon
 Traceability: NIST
 Product Range: 150 μm – 250 μm

<u>Step Height (μm)</u>	<u>Anodized Aluminum Substrate</u>
	50 mm x 50 mm x 5 mm
150.0	UTSHS-150
200.0	UTSHS-200
250.0	UTSHS-250