

Burnishing Tool and Improvements to the Testex Replica Tape Test Method

Alongside the new 'strip' format for **Testex Replica Tape**, a new precision burnishing tool and an improved method provide an extended range and $\pm 8 \mu\text{m}$ (0.3 mil) accuracy. The 'stick' burnishing tool and legacy averaging technique remain valid options.



Features

High Accuracy Burnishing Tool

- Provides $\pm 8 \mu\text{m}$ (0.3 mil) accuracy and consistent results, regardless of operator experience or burnishing technique
- Ergonomic, compact, and durable
- Rounded top surface ideal for burnishing concave surfaces-
- Included with each box of six replica tape cartons, or as an accessory



Increased Range with Conversion Technique

- New conversion table provides a simpler alternative to the 'averaging' technique
- Allows for an increased range with a single grade of replica tape:
- **Coarse:** 20-50 μm (0.8-2.0 mils)
- **X-Coarse:** 40-115 μm (1.5-4.5 mils)
- **X-Coarse Plus:** 110-150 μm (4.0-6.0 mils)

Analog Micrometer Conversion Table
Not required for the Testex Digital Micrometer
 Tabla de Conversión de Micrómetro Analógico
 Tableau de Conversion de Micromètre Analogique
 Umrechnungstabelle für Analoges Mikrometer

X-Coarse Grade				Coarse Grade			
Reading ¹ Milis	Result ¹ Milis	Reading ² μm	Result ² μm	Reading ¹ Milis	Result ¹ Milis	Reading ² μm	Result ² μm
1.9	1.5	50	40	0.8	0.8	20	19
2.0				1.0	1.0	22	21
2.1				1.1		24	24
2.2						26	27
2.3							29
2.4	2.2						32
2.5	2.3						35
2.6	2.4	68					37
2.7	2.6	70		2.0		38	40

Proven By Science

- New High Accuracy Burnishing Tool and conversion technique have been validated by peer-reviewed science
- Data to be presented at the upcoming AMPP conference by Michael Beamish, Vice President of DeFelsko Corporation



Stick burnishing tool and legacy averaging technique remain valid

- Instructions and Standards will continue to support both methods and burnishing tools
- 'Stick' burnishing tool and averaging technique remain valid, for users with existing procedures

