

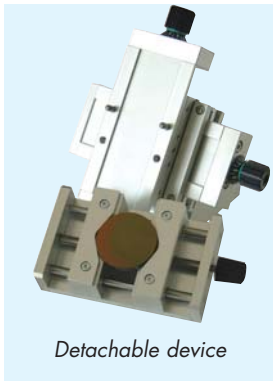
LAYER THICKNESS GAUGE CV-LT100™

Spherical cap grinder for determination of the layer thickness of coatings and layer systems

- Monolayers and Layer systems in a single processing step
- Measurement independent of the material
- Comfortable operation
- Precise measurement without calibration

Detachable device:

The vice is attached to the compound table through adjust pins. It can be removed with the probe fixed and can be replaced under the microscope to examine if the coating is already ground correctly through to the base material. If this is not the case, the vice including the probe can be placed accurately onto the compound table to continue the grinding process.



Detachable device



Technical specifications

Layer thicknesses	Approx. 0.3 - 50µm
Diameter of the spherical cap	Approx. 0.1 - 2mm
Accuracy of measurement	1 - 5 % (dependent on microscope magnification and evaluation)
Input voltage range	85 - 264 VAC
Input frequency range	47 - 63 Hz
Ball diameter	15 - 30mm
Clamping range for plane samples	50mm
Clamping range for round samples	3 - 30mm (Clamping jaw for other Dimensions on request)
Compound table travel	25mm x 25mm
Incline of Sample level	60 degrees
LED Displays (14mm Height)	4 digits number of revolutions 4 digits Runtime 1 digits Program number
Number or revolutions of the drive shaft	100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200 1/min
Runtimes	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 120, 150, 180 s
Dimensions	300mm x 295mm x 235mm (B x T x H)
Weight	Approx. 8kg

Standard delivery

- Main unit

Optional accessories

- Grinding paste of various granulation
- Various microscopes
- Table
- Further accessories available on request