

Measuring device for extrusion dies and drawing dies VCPEX⁺

Stand-alone system for high-precision and fast measurement of wire guides, mouthpieces and drawing dies

Product No.: 401.0007.04



Technical details:

Size (width x length x height)	750 x 420 x 450 mm 29.52 x 16.53 x 17.71 Inch
Weight	45 kg 99.2 lbs
Supply Voltage	100 - 240 V 50 - 60 Hz
Input Power	max. 100 Watt
Resolution	1 mm width = 12 µm/Pixel 15 mm width = 3 µm/Pixel
Lighting	telecentric LED lighting
Camera	customised
Measuring range	0 up to max. 15 mm (0.59") inner diameter

Device details:

- Robust and compact design, easy to handle
- Fast, reliable and highly accurate measuring process
- Integrated hardware and software, touch monitor for intuitive operation
- Reliable, high-precision clamping of the test specimen (including conical tools / conical wire guides)
- Tactile scanning of the outer contour by a single 360° rotation of the test specimen with simultaneous circular measurement of the inner contour to determine concentricity
- No extraneous light influences thanks to measurement behind closed sliding door
- Measurement results can be easily exported (connection to existing CAQ software / databases)
- Integrated sensors ensure reliable, precise measurement and reduce operator influence (measurement starts only when door is closed)

Possible measurement results:

- Maximum, minimum and average inside diameter
- Runout testing
- Centricity / concentricity

Area of application & benefits:

- Camera-based system for measurement of wire guides, mouthpieces and drawing dies mean that only tools tested independently of users are used in production
- Specially designed for use in production, the tool store and the laboratory
- Reliable, fast and accurate quality control
- Traceability of results for convenient presentation of the life cycle of your tools
- Time and cost savings for your measurement

