

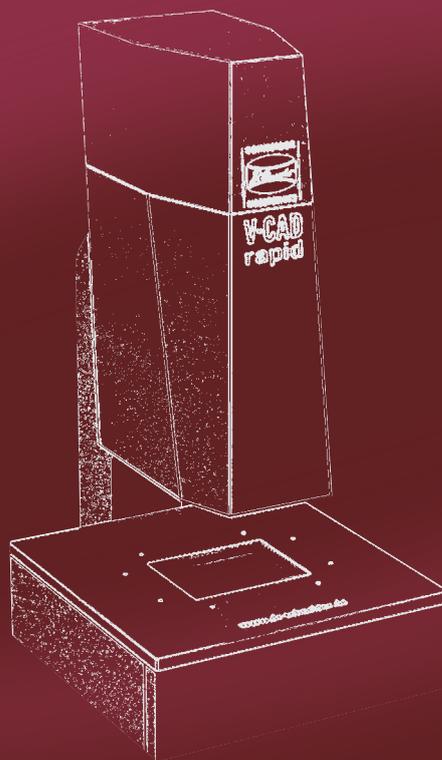
V-CAD rapid

PREMIERE!



Mobile & compact 2D optical measuring device

Accurate and precise measurement
in a matter of seconds – smart and intuitive design



SIMPLY PRECISE

V-CAD rapid

Are all of your employees today familiar with operating your measurement device?

It's easier than you might imagine! The brand-new V-CAD rapid device features a compact and mobile design that combines high-precision measurement technology with unprecedented ease of use and flexibility. Thanks to the intuition-based user interface of the well-proven M3 measuring software, this innovative device is unmatched in terms of user-friendliness: The workpiece can be positioned freely in the field of view, and the measurement process is started with a just a tap of the multi-touch screen of the panel PC. Within only a few seconds, the device provides comprehensive measurement results, complete with reporting! Fast – straightforward– reproducible, and with a sense of accuracy and precision that sets a new standard in this category of device.



V-CAD rapid – reliable measurement at your fingertips

Standard features of V-CAD rapid

- 5-megapixel CCD B/W camera
- 4 different fields of view for spot-on measurement
- Panel PC with WIN7 and multi-touch screen
- LAN and WLAN network connection
- Granite / aluminium sandwich design
- Telecentric 4-step motorised zoom lens
- LED ring light for incident illumination
- Telecentric LED transmitted light illumination
- Factory calibration certificate

Special benefits of V-CAD rapid

- Automatic recognition of ruled (standard) geometries without pre-selection
- No need for manual workpiece alignment in the field of view
- 4-step motorised zoom lens for reliable measurement even of minute workpiece features
- Measurement in a matter of seconds
- Mobile design
- Unpack – Switch on – Measure!

Technical Specifications of V-CAD rapid

Model		V-CAD rapid			
Measuring range	mm				
Field of view X/Y	mm	65.5 x 55	32.5 x 27.5	16 x 13.5	8 x 6.5
Focal length Z	mm	50			
Objective lens		4-step motorised zoom, telecentric			
Magnification		0.125 x	0.25 x	0.5 x	1.0 x
on the screen ²⁾		4.7 x	9.5 x	19 x	38 x
Depth of field	mm	45.0	11.0	2.80	0.70
Working distance	mm	150			
Max. workpiece weight	kg	5.0			
Repeat accuracy (repeatability)	mm	0.001			
Length measurement uncertainty ¹⁾		E2 = 3.5+(L/50 mm)µm			
DIN EN ISO 10360-2, VDI/VDE 2617		Measuring length L in mm			
Our measurement is based on		$\beta = 0.125$ Δ objective lens 0.125x (field of view 65.5 x 55 mm) – the specified length measurement uncertainty applies to the indicated field of view; smaller fields of view enable greater accuracy!			
Dimensions	mm	W 354 D 444 H 700			
Weight	kg	30			
Electric power supply		220-240 VAC, 50-60 Hz			

¹⁾ Ambient conditions 20°C ± 1K, temperature gradient $\Delta_{th} = 1$ K/h, $\Delta_{td} = 4.0$ K/d, measured with a calibrated standard

²⁾ These values apply to the standard monitor with its factory default settings