

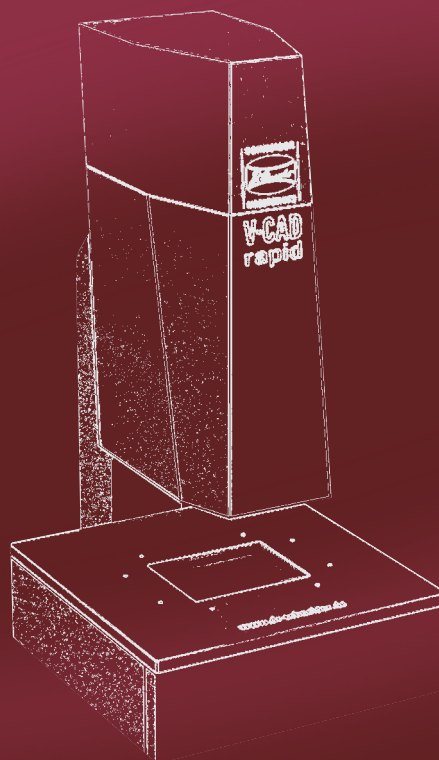
# V-CAD rapid

# 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			
<b>Measuring range</b>	<b>mm</b>				
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			
<b>Objective lens</b>		4-step motorised zoom, telecentric			
Magnification		0.125 x	0.25 x	0.5 x	1.0 x
on the screen <sup>2)</sup>		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			
<b>Max. workpiece weight</b>	<b>kg</b>	5.0			
<b>Repeat accuracy (repeatability)</b>	<b>mm</b>	0.001			
<b>Length measurement uncertainty <sup>1)</sup></b>		E2 = 3.5+(L/50 mm)µm			
DIN EN ISO 10360-2, VDI/VDE 2617		Measuring length L in mm			
<b>Our measurement is based on</b>		$\beta = 0.125 \Delta$ 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!			
<b>Dimensions</b>	<b>mm</b>	W 354 D 444 H 700			
<b>Weight</b>	<b>kg</b>	30			
<b>Electric power supply</b>		220-240 VAC, 50-60 Hz			

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

<sup>2)</sup> These values apply to the standard monitor with its factory default settings