

Measurement Software M2

Measurement software with or without edge sensor - for installation on a tablet PC

Precise manual measurement of geometric dimensions by means of a smart multi-touch application



SIMPLY PRECISE

M2 measurement software with or without edge sensor

Intuitive multi-touch
application for profile
and measuring projec-
tors.

Touch the future of dimensional measurement!

Why adopt a complicated approach when there is an easier and user-friendlier way? - This is the principle underlying the design of the new M2 measurement software. With this innovative tool, DR. HEINRICH SCHNEIDER MESSTECHNIK enables customers to "touch new dimensions" in measurement by means of profile or measuring projectors.

Inspired by the streamlined functionality and easy-to-use interface of modern smartphones, Schneider has developed a multi-touch application with which even novice users will become quickly familiar. The software impresses with its clearly arranged user interface – there are no hidden sub-menus! The software's measurement functions are selected and activated by means of large function keys. The measured elements are displayed true to scale in the corresponding part view. Features and relationships are constructed by simply tapping the measured elements in the graphical display. Extensive tolerance inspections in accordance with DIN / ISO standards as well as clearly structured data reports are also integrated in the software's range of capabilities. An ultra-accurate and precise edge sensor is optionally available. Depending on the particular projector model chosen, the sensor will either be mounted on the projection screen or carefully inserted into the optical path.

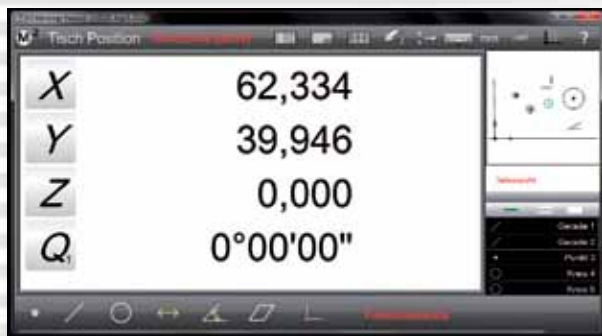


Tablet PC for M2
with or without edge sensor



Footswitch (optional)

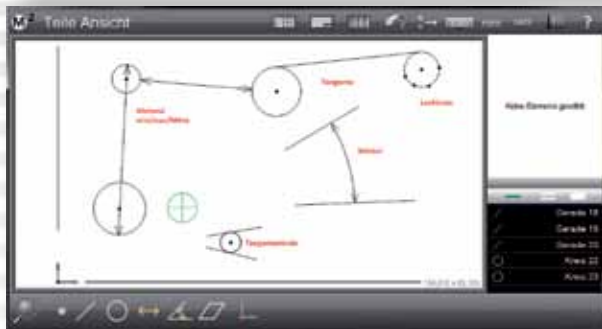
serving as a tool for measurement point acquisition or as an "Enter" key for element calculation. The keys are freely configurable.



Outstanding features

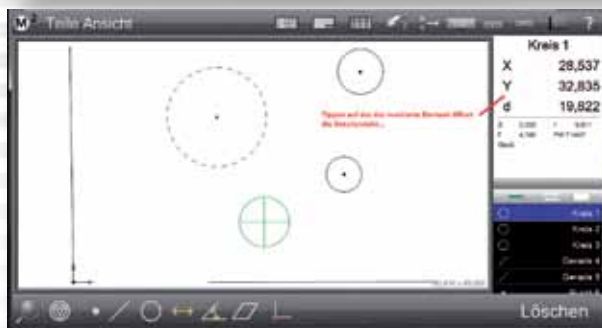
Clearly arranged functions

The required measurement routines are invoked via the toolbar, whilst all other functions are called using the active status bar. The well-architected one-level structure facilitates software use and ensures fast familiarisation.

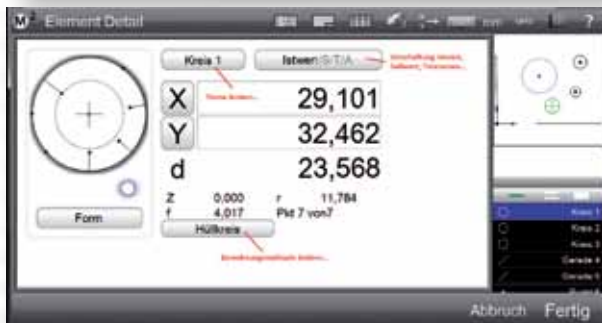


Part view

The measured geometrical elements are displayed graphically in the part view. By selecting the appropriate elements, features can be constructed and results generated.



A **detailed view** of the selected **individual elements** is opened by a short tap on the results window.



In this **enlarged view**, the previously selected calculation methods, tolerance inspections, element names etc. can be changed and adjusted as required.

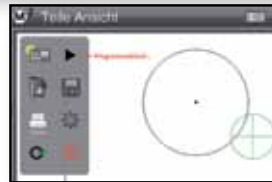


Quick, clear, easy! If the user wishes to transfer the measured **actual value** to the system memory **as the setpoint (target value)**, he/she only needs to switch to the setpoint value area of the readout screen and tap on the appropriate digit. This light touch will cause the respective setpoint value to be rounded up or down. By sliding the finger to the left, the value will be increased by 1, whereas it will be reduced by 1 when the finger is moved to the right. Tol+ and Tol- will be automatically inserted from the **tolerance list**.



Data output

The results obtained from the measurements are either sent to the printer or exported to a predefined directory in TXT, TSV or CSV format. If the user wishes only particular form columns to be output, these can be easily selected by a tap.



Measurement report
with or without part view

Toleranz Report									
Super Admin									
Element	Tol	Isiert	Sollwert	Tol-	Tol+	Abw.	Tendenz	Ergebnis	
Kreis 4	X	20.741	20.750	0.010	0.010	-0.009		Gut	
	Y	24.515	24.520	0.010	0.010	-0.005		Gut	
	Ø	17.558	17.550	0.010	0.010	0.008		Gut	
Kreis 8	X	73.529	73.530	0.010	0.010	-0.001		Gut	
	Y	63.857	63.860	0.010	0.010	-0.003		Gut	
	Ø	16.541	16.540	0.010	0.010	0.001		Gut	
Abst. 15	X	37.355							
	Y	3.180							
	Z	8.000							
	L	37.490	37.500	0.100	0.100	-0.010		Gut	
Winkel 17	A	28°24'43"	5°42'00"	0°00'00"	0°00'00"	22°44'43"		schlecht	

Generation of measurement programmes

The measuring procedure is automatically stored in a programme file. This is a very convenient feature of the software because all the user has to do in the case of repeated measurements is tap on the desired programme, and measurement will automatically start again. In order to ensure good orientation throughout the process, directional arrows will provide graphical support by guiding the user to the previously stored measurement points. That's precision at its best!

Technical specifications: Measurement software M2

Standard equipment (■) and optional extras (■)

Characteristics and capabilities

2-axis support	■
3-axis or 4-axis support	■
Error correction (bug fixing)	■
Footswitch	■
Date/Time	■
Alignment functions	■

Inputs

Optical edge detection	
Internal sensor	■
External sensor	■

Outputs

Interfaces	
W-LAN	■
USB	■

Measurement features and functions

Point	■
Straight Line	■
Circle	■
Radius/Diameter	■
Angle (vertex)	■
Min. circumscribed circle/Max. inscribed circle	■
Form/Shape, position	■
Measure Magic™	■
Graphical display of measurement results	■
Angle display	■
Incremental/Absolute	■
Intersections	■
Constructed features	■
Selectable direction of measurement	■
Display of elements	■
Tolerance inspection	■