

**CONCRETE STEEL –RIB MEASUREMENT SYSTEM
RM203/303/403/503
TECHNICAL FEATURES**

Employment:

production, quality management, material testing upon arrival.

Method of measurement:

contactless video optical measurement system for precise and fast measuring of concrete steel.

Measuring parameters:

- rib height at the centre and at the quarter-points
- centre distance of the ribs
- headwidth of the ribs
- inclination of the ribs to the rod axis
- distance between rows of ribs
- specific rib area: determination of difference in respect of the DIN, EN and other European and international standards

Serie		RM203	RM303	RM 403	RM 503
Number of video cameras		2	3	3	3
Rib Height	Measuring range..... mm	0-4.0	0-8.0	0-8.0	0-10.0
	Measuring accuracy..... mm	+/- 0.01	+/- 0.01	+/- 0.01	+/- 0.01
Rib distance over 2 to 10 ribs	Measuring range..... mm	10-150	10-250	10-250	10-350
	Measuring accuracy..... mm	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1
Rib inclination	Measuring range..... °	45-90			
	Measuring accuracy..... °	+/- 2°			

dimensions (width x height x depth)	650x650x300	930x925x350	790x850x400	830x920x300
Weight	37	53	58	67
ambient temperature	6 ... 45			
Humidity rel.	5 ... 95 no condensation			
Image capture	2/3" b/w CMOS camera			
Retaining work piece.....	Manual rapid clamping unit		Pneumatic	Manual
Diameter max.	22	50		75
Measurable length max.	180	300		350
Calibration – fully automatic	2 calibration bars (certificated)			

Measurement software	Hot and cold rolled concrete steels
Utilization	Calculation of rib surface area
Display	24" TFT monitor
Image resolution	1900 x 1100
Data storage	Integrated database
Data management	Export to MS-Excel®, MS-Access® etc.