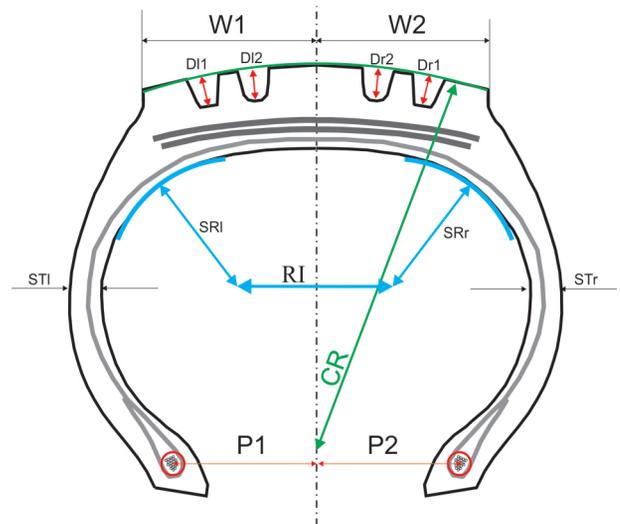


Gamma-X

Tire cross section dimensioning



The scanner for cross sections

The Gamma-X series are designed to measure cross-sections of thick, dark products like tire cross sections. Optimized flatbed scanners are used for easy, fast and precise manual measurement. The scan units have high sensitive measuring heads to detect small gray differences at the surface of the tire cross sections.

The included software package is designed for manual dimensioning and marking of objects measured by scanners or optional additional connected GigE-cameras. Also available are software package extensions for guided measurements by predefined measurement tasks or for overlay of CAD drawings onto the measured scans.

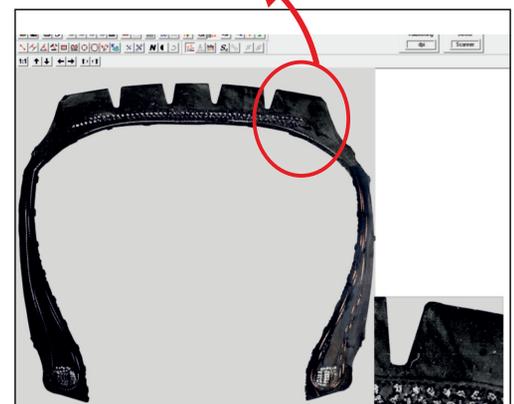
The standard systems are build for a maximum product thickness of 100mm systems are available for scan areas of 417mm x 300mm (~DIN A3), 417mm x 600mm (~DIN A2), 417mm x 900mm and 1200mm x 300mm. Full scan size resolutions of up to 2400DPI for grey level and RGB evaluations and of up to 6400DPI for limited areas (e.g. for bicycle tyres) are available.

Your benefits

- High sensitive sensor head to detect smallest grey differences
- Reproducible measurements
- Easy archiving of quality checks
- Scan glass made out of safety glass - easy replaceable!
- Optional extension to perform pre-defined guided measurement steps
- Optional overlay of CAD drawings
- Optional extension to connect GigE-cameras e.g. with microscopes



Tire cross section



SDS

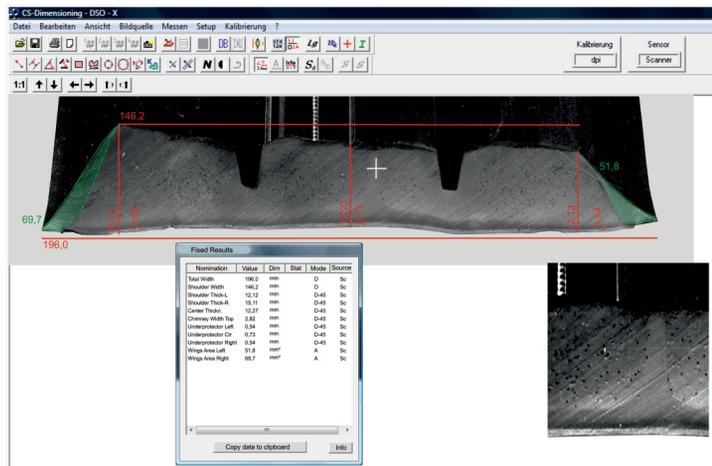
Systemtechnik
GmbH

www.sds-systemtechnik.com



GEOMETRICAL MEASUREMENTS - SIMPLE AND PRECISE

-  Distance: Point to point
-  Distance: Line to line
-  Angle: 3pt. (closed)
-  Angle: 4pt. (open)
-  Distance to horz. reference
-  Distance to vert. reference
-  Distance to ref. point
-  Distance circle centre to pt.
-  Distance center to centre
-  Circle 3pt.
-  Circle 6pt. best fit
-  Circle 6pt. segment
-  Polyline length
-  Spline line length
-  Area rectangle
-  Area polyline
-  Counter, 6 levels
-  Footprint analysis
-  Statistical evaluations
-  Pixel loupe
-  Zooming functions
-  Image alignment to line
-  Hotkey mode
-  Guided measurements
-  Export functions (bmp, jpg, tif)
-  Calibration functions
-  List display with data export



Tread cross section.
Enlarged part showing base cap

	Gamma-2	Gamma-3	Gamma-3A3L
Product dimension max. [mm]	417 x 600	417 x 300	1200 x 300
Product dimension max. [in]	16,4 x 23,6	16,4 x 11,8	47,2 x 11,8
Product thickness max. [mm]	100	100	100
Full size resolution [DPI]	2400	2400	2400
Max. resolution, limited area [DPI]	6400	6400	6400
Optical density	3.8	3.8	3.8
Temperature range	+10°C ... +40°C	+10°C ... +40°C	+10°C ... +35°C
Case dimensions (W x D x H) [mm]	940 x 940 x 450	545 x 780 x 298	1720 x 680 x 450
Power supply	100-240V AC, 100W	100-240V AC, 80W	100-240V AC, 100W
Computer	Mini Tower, Win 11 Prof	Mini Tower, Win 11 Prof	Mini Tower, Win 11 Prof
Monitor	27", 4k, IPS	27", 4k, IPS	27", 4k, IPS

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