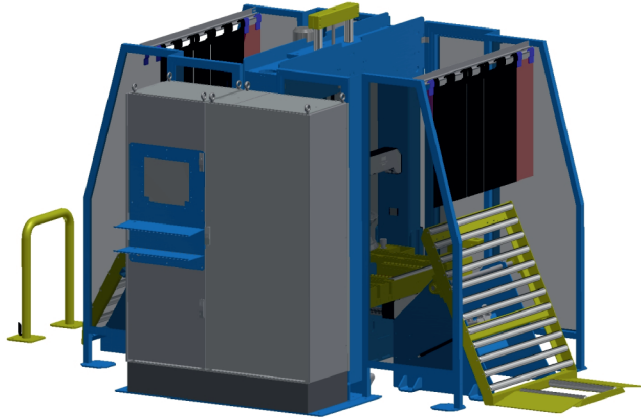


# PTS

## Pressure Test System PTS 1280



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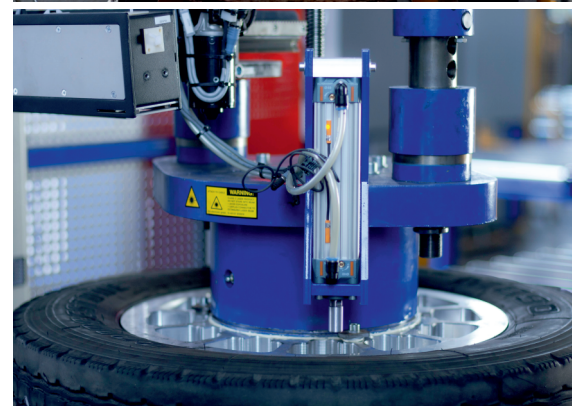
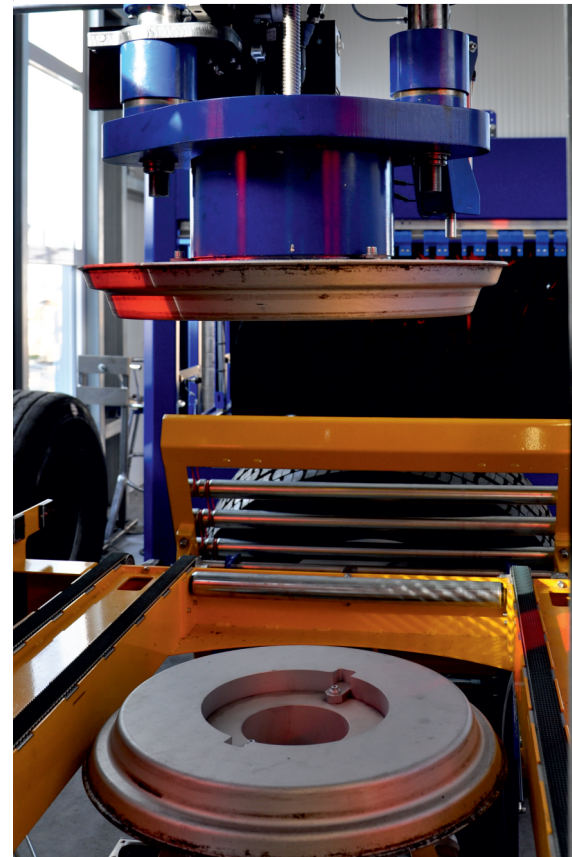
The new tire test system developed by SDS, combines the classical pressure testing with the advantages of modern image processing. The Tire is tested under different pressure grades with a patented method. Deformations, which are caused by structural defects, are detected and displayed.

PTS is perfectly suitable for the detection of sidewall anomalies and for the measuring of geometry like diameter and width. The system can be completed with an automatic loader and unloader as stand alone unit or integrated into a SDS Interferometric Tire Tester (ITT) System.

**Security through highest quality** All components are optimally coordinated and assure the highest availability. The maintenance times and costs are minimized by standardized components and the easy replacement of spare parts.

**Automatic inspection procedure** Defined testing programs ensure ensure a safe inspection of all tire sizes. Optionally you can address the tires with a barcode. With the easily operated software, the high image resolution and the real time processing, defects are displayed, archived and documented easy and fast. Also through semi-skilled personnel.

**Excellent service** All solutions are individually designed - if desired also on-site. SDS and their representatives provides the ideal support with customer specific service contracts and remote control software. We ensure a fast supply of spare parts and accessories with worldwide spare part warehouses.



# NON-DESTRUCTIVE TIRE TESTING BY SDS TECHNOLOGY

## Technical data and options

Features	PTS - 1280
<b>Tire types</b>	all type tire, radial, bias
<b>Testing procedure</b>	sheet of light measuring method with patented pressure step analysis
<b>Testing area</b>	sidewall, optional crown
<b>Defect types</b>	structural defects of carcass body: breaks, excessive ply wire spacing, bucklings
<b>Display of results</b>	topographic display of geometry and geometry anomaly
<b>Data storage</b>	automatic, ISO compliant, backup manager for archiving (various media)
<b>Loading / Unloading</b>	single side loading and unloading, Inline, automatic with conveyor, individual
<b>Turn Over Fixture</b>	optional
<b>Conveyor System</b>	various modules, constructions and logistic solutions
<b>Barcode</b>	barcode based inspection and connection, FAR, etc. (optional)
<b>Automatic Anomaly Detection</b>	optional
<b>Categorization</b>	individual configuration
<b>Remote Control</b>	yes via internet
<b>Number of measuring heads</b>	2 or 3
<b>Dimensions L x W x H (mm) single side load</b>	3250 x 2000 x 2200 (single side loading/unloading)
<b>Dimensions L x W x H (mm) double door</b>	4750 x 2000 x 2200 (one side loading / opposite side unloading)
<b>Weight</b>	ca. 2.000 kg
<b>Electrical connection 3PH / 50-60Hz</b>	200 - 520 V / 16 Amp or country specific
<b>Pneumatic connection</b>	R1", min. 7bar
<b>Ambient temperature **</b>	+10°C to +35°C
<b>Color (RAL) ***</b>	blue (5002), silver (9007) or customer preference
<b>minimum - maximum rim diameter</b>	Ø17.5" - 24" (different sideplates required)
<b>maximum outer diameter</b>	Ø1280mm
<b>min. / max width</b>	100mm / 520mm
<b>Test capacity</b>	Test capacity 30 tires/h ( 3 pressure steps, 4 bar max.)

\* patented

\*\* higher temperature ranges with air condition

SDS Systemtechnik GmbH  
Rudolf-Diesel-Strasse 7  
D-75365 Calw-Stammheim

www.sds-systemtechnik.com  
info@sds-systemtechnik.de

**SDS**  
Systemtechnik  
GmbH



Technical consulting  
Phone +49 (0) 7051 / 93154-0

Personal advice on-site.  
Arrange an appointment:  
Phone +49 (0) 7051 / 93154-0  
Fax +49 (0) 7051 / 93154-99