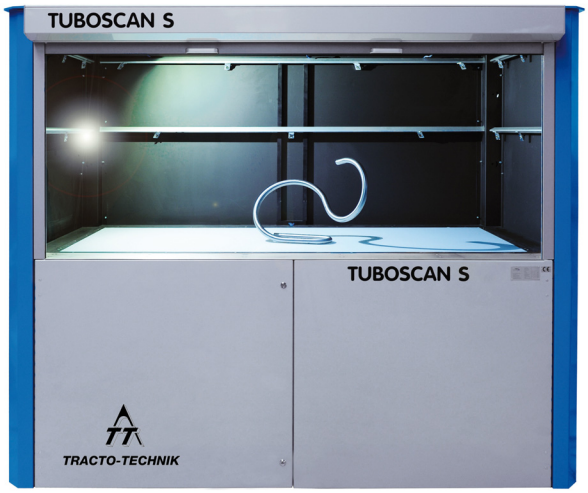
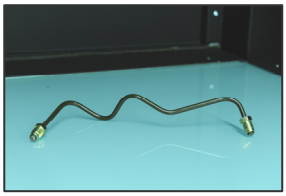
TUBOSCAN S

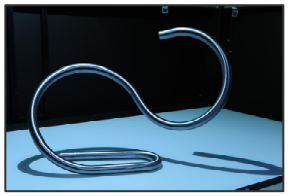
Optical measuring system for wire and tube bending parts

TUBOSCAN S 60



TUBOSCAN S 200





Features / Equipment

- Touch-less optical measuring of tube geometries within the blink of an eye
- Precise measuring results due to high-resolution camera technique
- Measuring of tubes, wires and bending parts with processed tube ends
- Tube measuring and evaluation software TeZetCAD with numerous practical functions
- Measuring system can be used for quality assurance as well as for correction of bending data

Technical data	TUBOSCAN S 60	TUBOSCAN S 200
Measuring volume (LxWxH)	540 x 420 x 200 mm	2000 x 800 x 400 mm
Measurable tubes / pipes	Ø > 2 mm	Ø > 2 mm
Camera technique	1 x CCD, 1280 x 1024 px	3 x CCD, 1280 x 1024 px
Software	TeZetCAD	TeZetCAD
Dimensions (LxWxH)	860 x 740 x 1950 mm	2420 x 1310 x 2160 mm
Weight, approx.	150 kg	450 kg
Operating voltage	230 V, 50 Hz	230 V, 50 Hz
Power requirement	0.8 kW	0.8 kW

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PIPE FABRICATION

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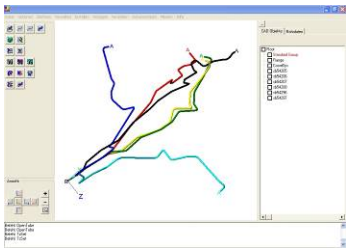
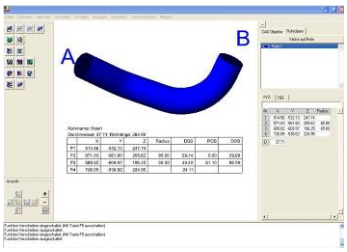
TeZetCAD Tube Software

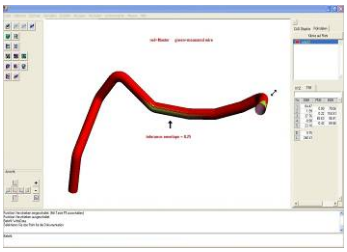
TeZetCAD *standard* : Basic measuring & evaluation functions for tubes (wires, hoses)



Measuring, visualization, documentation and data storage of tube figures



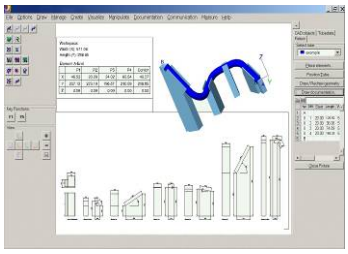
Determination and processing of XYZ and LRA bending data



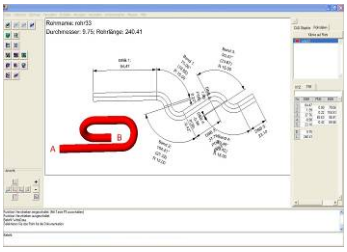
Nominal-actual value comparison of a measured tube with its master tube

- „Leapfrog-function“ for continuous measuring of tubes, which range above the envelope of a coordinate measuring arm,
- Measuring of 180° bends (U-bends)

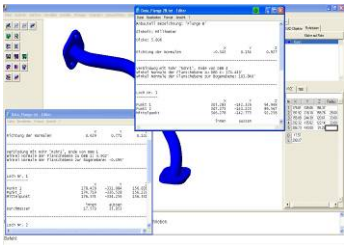
TeZetCAD *professional* : Includes numerous tube processing and calculation features



Automatic generation of sizing tools with complete documentation



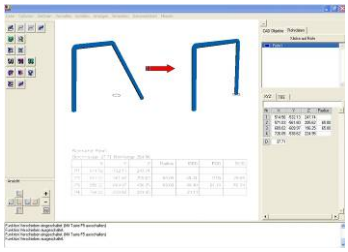
Visualization of 3D measured tube Figures according to 2D drawings



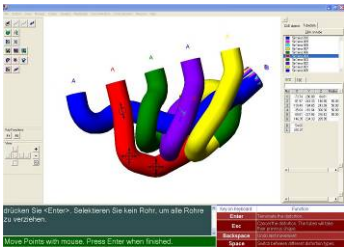
Measuring, visualization, documentation and comparison of add-on pieces

- Import of tube data from various CAD systems via IGES interface
- Additional practical functions (e.g. alignment, comparison, correction, collision check, …)

TeZetCAD *design* : Module for definition and modification of tube courses without limitation



Determination of tube courses within a default workspace



3D tube distortion function with automatic data modification

Further TeZetCAD options :

- Export of XYZ and LRA tube bending data via interfaces
- Linkage of existing NC tube bending machines

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