

TUBOSCAN

Portable coordinate measuring machines (CMM's) for tubes



MICROSCRIBE measuring arm



MICROSCRIBE measuring arm with laser scanner

Features / Equipment

- Ultra-portable, compact and lightweight design with carbon graphite composite arms for ease of transportation
- Measuring by means of different probes, tube measuring fork or line laser technology (depends on model)
- Counterbalance offsets the arm weight and allows for one-handed operation
- Tube measuring and evaluation software TeZetCAD® with numerous practical functions

Technical data	MICROSCRIBE G2LX	MICROSCRIBE MLX
Axes configuration	6 axes	6 axes
Measuring envelope	1670 mm	1670 mm
Measuring accuracy	± 0.3 mm	± 0.08 mm
Arm weight, approx.	3.8 kg	5.2 kg
Operating voltage	100 - 240 V AC, 50/60 Hz	100 - 240 V AC, 50/60 Hz

Subject to technical alteration • 2010-11

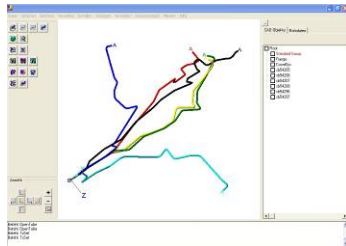


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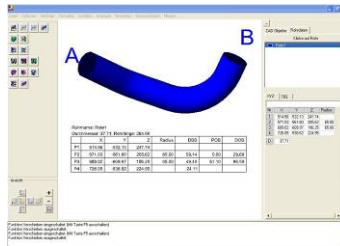
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TeZetCAD Tube Software

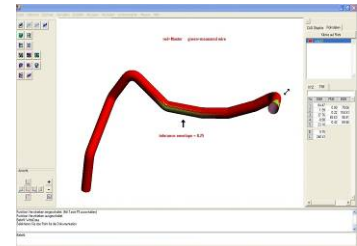
TeZetCAD *standard* : Basic measuring & evaluation functions for tubes (wires, hoses)



Measuring, visualization, documentation and data storage of tube figures



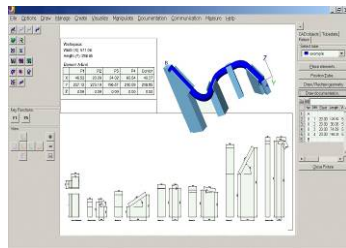
Determination and processing of XYZ and LRA bending data



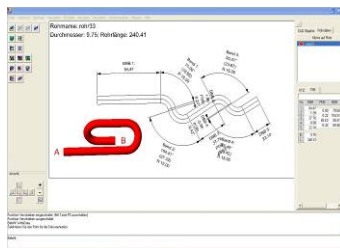
Nominal-actual value comparison of a measured tube with its master tube

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

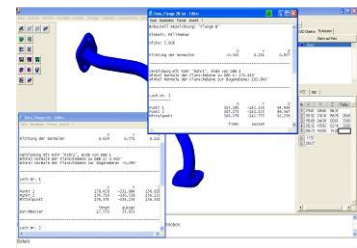
TeZetCAD *professional* : Includes numerous tube processing and calculation features



Automatic generation of sizing tools with complete documentation



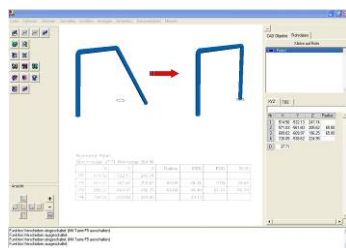
Visualization of 3D measured tube Figures according to 2D drawings



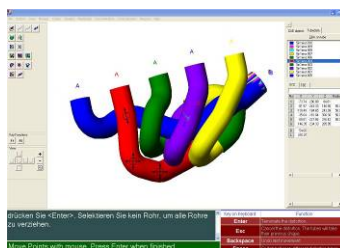
Measuring, visualization, documentation and comparison of add-on pieces

- 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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