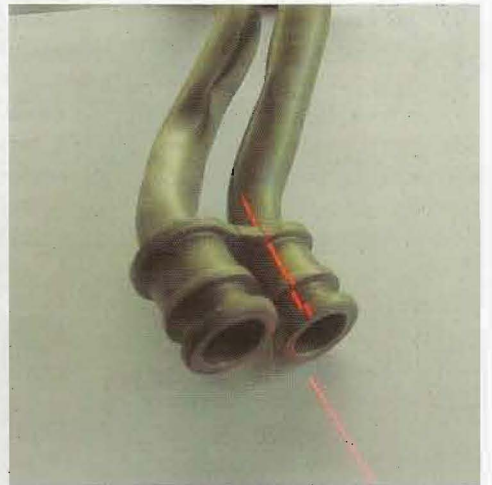
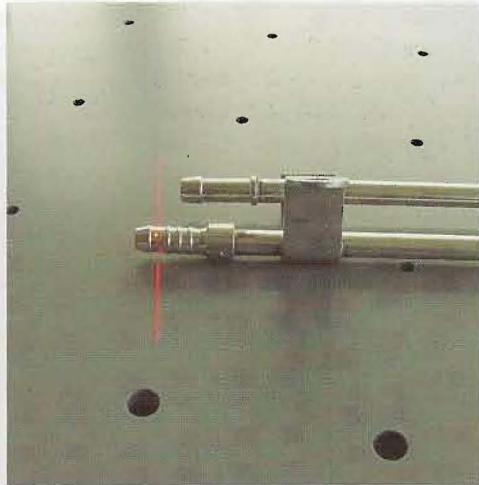


Fast measuring with LaserLine



Non-contact tube measurement has been well known in the international tube market ever since Homer Eaton introduced the first Laservision Measuring table from Eaton Leonard in 1973. Since then the non-contact fork has set a high standard for tube measurement.

Infrared and laser beam were subsequently combined in many similar methods to get points in crosslines to calculate tube data.

Then laser technology found its way into the CAD world. It was used for geometric parts, with software that takes millions of points to generate surfaces. Tubes treated as geometric parts are created out of two half-shells or as linked cylinders and bends

in some construction software, to be retreated and reassembled to get the design of the scanned object on the screen.

But as tubing needs a completely different algorithm, there was no tube data to be found in those results.

TeZetCAD is still the only specialised tube software which generates tube xyz data during the scanning of a tube and converts it into bending data in the same process. But the scanning procedure for long tubes with lots of bends, or small tubes with small diameters, is really time consuming work.

Then Swiss software company TeZet found the solution. The cutting-edge LaserLine feature in TeZetCAD software lets the laser

do its work as 'faciliator' in tube measuring. A synthesis between today's laser technology and yesterday's non-contact fork evaluation, combined with TeZetCAD, is a significant new mode of operation in tube measurement.

It is said to be extremely quick: one laser line at the A-end, only two LaserLine measurements on one cylinder (one at the beginning of the straight and one at the end of the straight continuously repeated on each straight till the B-end) as known from the non-contact fork 'tak, tak' method - with real time xyz and bending data output.

TeZetCAD is the only software to provide this feature, with FARO V3 features and

MicroScribe with MicroScan.

Maintaining a market lead in this economically demanding time also calls for miniaturised measurement systems with high performance technology, such as 3D Linelasers with two workspaces - one for smaller tubes and one for bigger diameters - for example, the MicroScribe measuring device with the MicroScan-3DLineler.

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