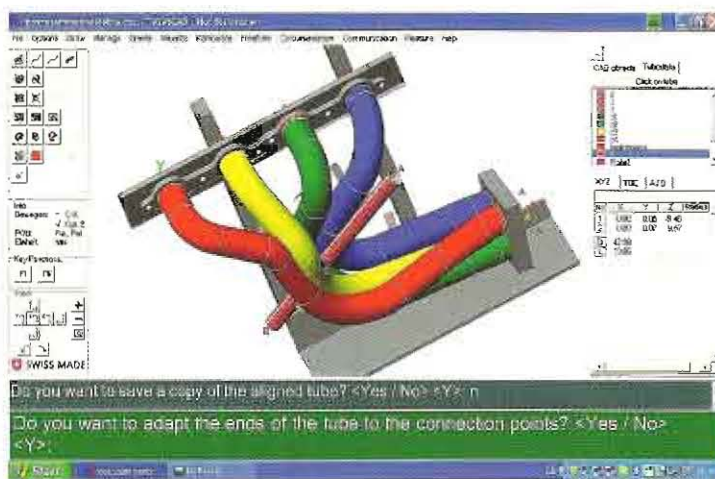


# Tubes do have a life of their own

With many phases to pass through from concept to completion - tube runs the gauntlet of temperature, damage during transportation, mishandling in storage, prototyping, the welding process and many other stages before it becomes the finished article or component. The single exception to this is in the CAD department. Even there, gremlins are waiting to pounce, such as unpredictable handling changes that make it difficult to predict the dimensions and place them in the various 3D functions of CAD programmes

Tubes by their nature, have to conform to very tight bends and tolerances, and, have to meet exacting and complex design requirements with 100% accuracy in very restricted areas.

At the same time, these high end CAD 'constructions' might not match the realities of the bending department. They can create radii without having the required tooling, or cylinder lengths which are not consistent. Tubes hydrostatically formed are easier to pass, as the CAD programme sees them as planes, with the tube not being generated out of a centreline, but in two half shells as it were. However this presents one with a dilemma -

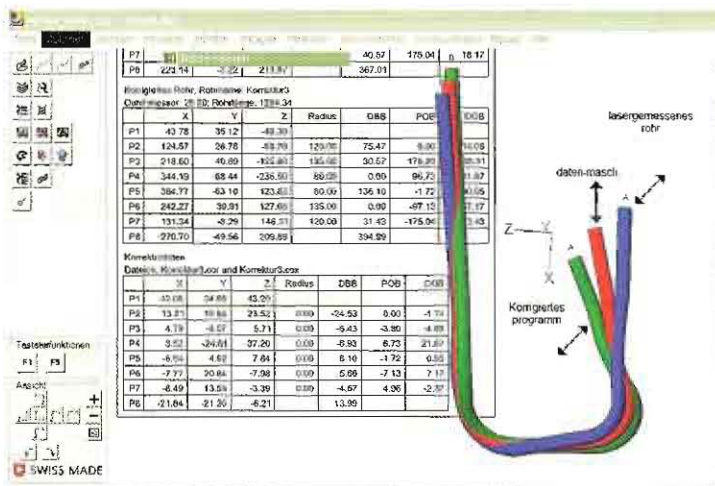


bending data cannot be generated out of these planes

Happily there is a solution for these day to day Tube problems - TezetCad, the flexible, tube specific

software from TeZet

In the early nineties, our design module allowed the user to manipulate the tubes with fixed A and B bends with real time data



acquisition. It also offered the opportunity to insert either bends into a 2D or 3D level, or to delete bends with disturbing shape. Many exciting breakthroughs in accurate tube measurement have added to the impressive portfolio offered by TeZet over the years.

The need to prove the tube is still round after the bending process and the welding of any add-on features is important. The menu guided software pinpoints the measuring probe in the exact position of the ovality and shows it graphically and the accompanying data on a separate table. There are many more easy to use functions i.e. - the measurement of a radius, its a serious issue, because if changes occur to the radius, both straights, before and behind the bend either extend or shorten.

TeZet understands the huge raft of complexities when it comes to tube measurement. Our specialists are constantly exploring new solutions to meet changing industrial demands, and we look forward to talking to you at Tube 2010 Dusseldorf - Hall A21 - Stand

More information on TeZet Technik at  
tel: +44 56 249 3760  
fax: +44 56 249 2878  
[www.tezet.com](http://www.tezet.com)

## WAFIOS and MEWAG present two world firsts at the TUBE in Düsseldorf

For the second time running WAFIOS and MEWAG will appear together at TUBE in Dusseldorf. These two experts in tube bending, will present the tube processing industry with new solutions in tool technology, as well as complete production cells. In the tube diameter range up to 21mm, WAFIOS will display for the first time the BMZ 52, a

new product which can be modularly configured to suit many different profiles according to the needs of the user. MEWAG will present the Ecolus 15 - a completely new compact machine concept for small tube diameter ranges, setting new standards with regard to the cost versus output relationship. The first synergy effects of the co-

development are in the new programming software installed on both machines, which offers future users higher operator comfort.

More information on WAFIOS AG please contact Andreas Hoster  
tel: +49 7121 146 309  
[a.hoster@wafios.de](mailto:a.hoster@wafios.de)  
[www.wafios.com](http://www.wafios.com)

