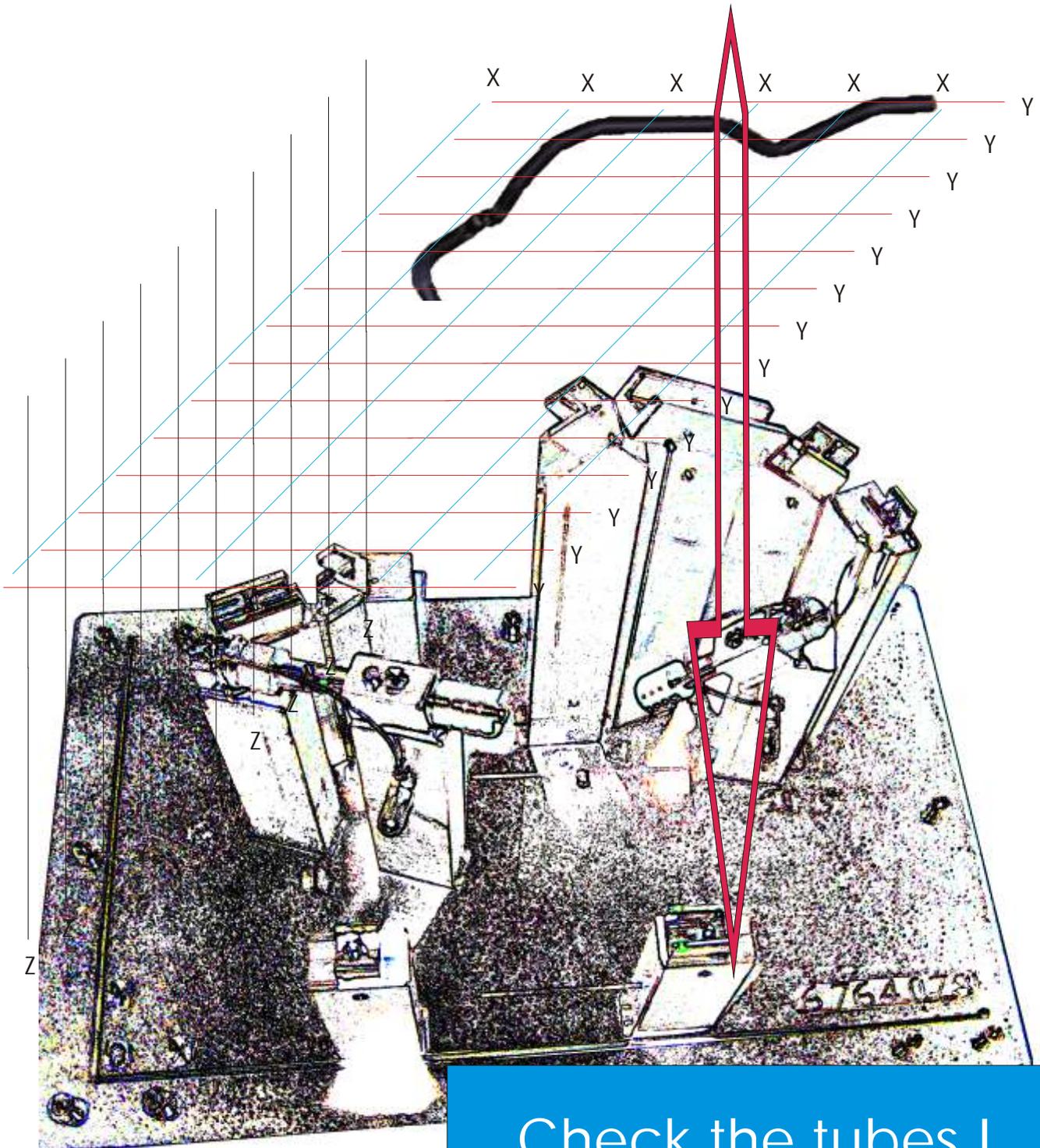


Aluminium

Control gauges

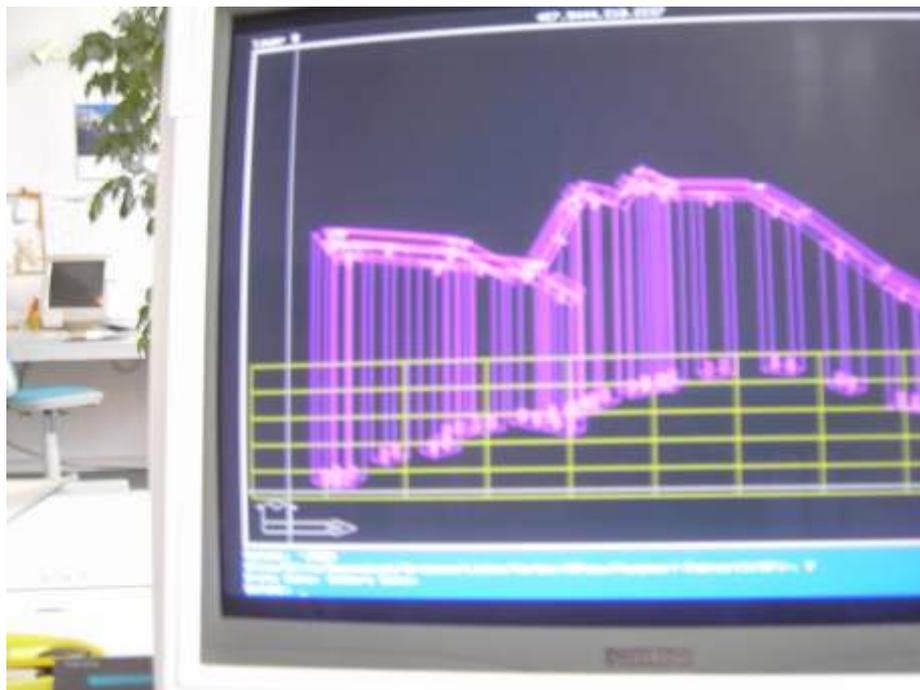


Check the tubes !

With an experience of more than 3500 produced gauges, according to customer's drawings and wishes the design for production will be carried out with an especially developed "gauge design program" based on AutoCAD.

Neither type nor material of the pipe is a problem.

Whether you only want to control the contour or also the connecting- and fixing-elements, the position and angular position of tube clamps or positions of protective tubes on the pipes - our gauges quickly will deliver a summary.



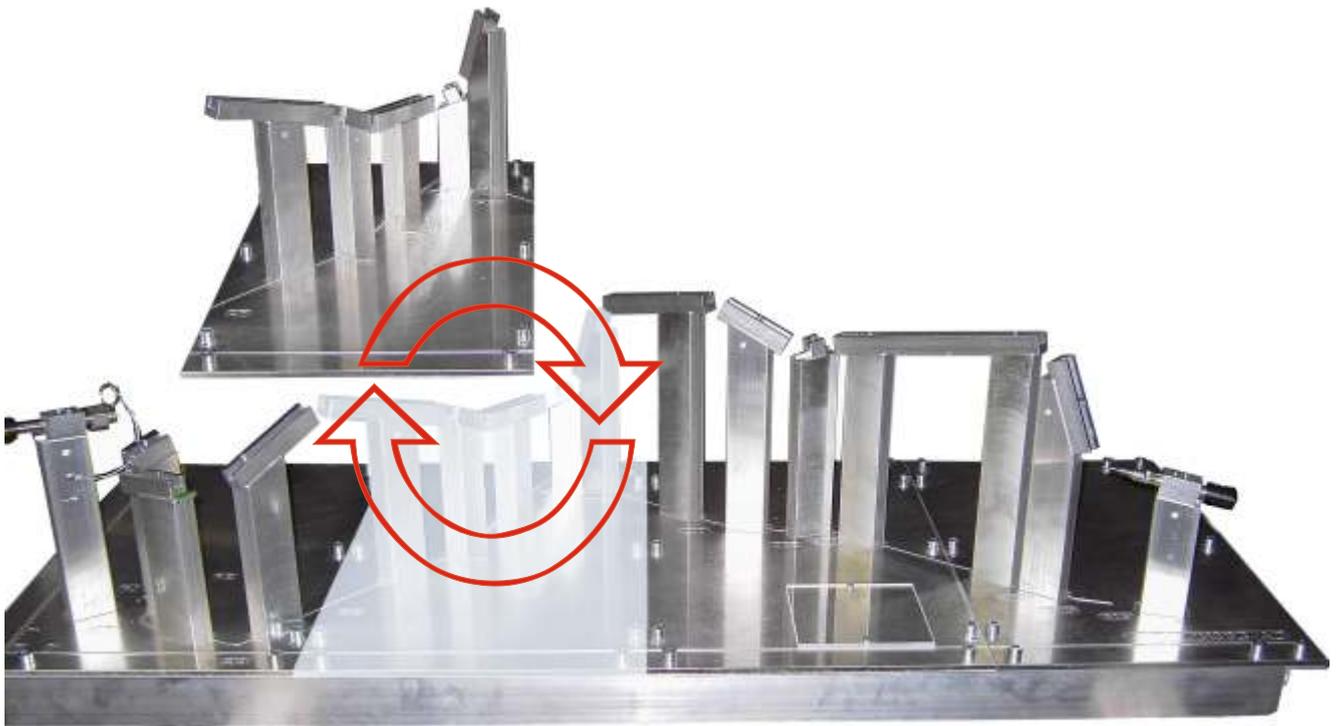
By means of special conversion programs, we transfer our CAD-data to the processing machines.

With that, in a large degree, we avoid the possibility of input errors.

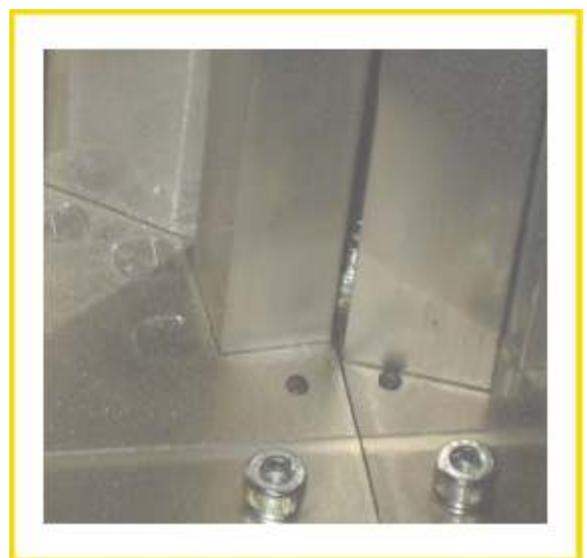
Our machining process will guarantee a continuously high precision and quality.

Modular design

We design and produce our gauges in a modular technique. This will reduce costs and we are flexible in case of modifications. Only those parts will be exchanged, which really have been modified. Therefore it is also very easy to carry out modifications at the customer. Remove the modified modul - ready!

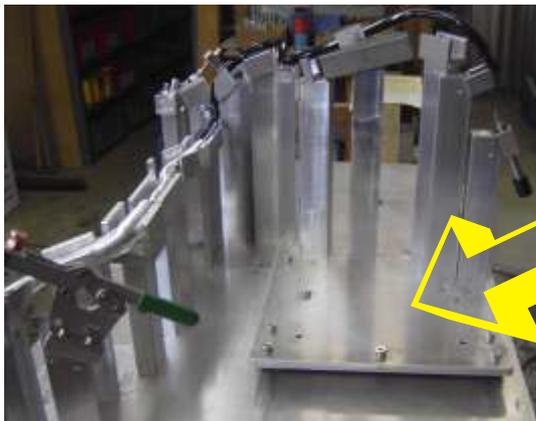


Accurate connections will guarantee highest precision. With this technique we are able to produce gauges in all sizes.



Variations of Gauges

One-plate gauge for a steel pipe with a flex part.
End fixing alternatively with pin or thread.



Multiplate gauge with interchangeable plate for controlling two different pipes with partly identical coordinates.
Pipe differences only at the last bendings.

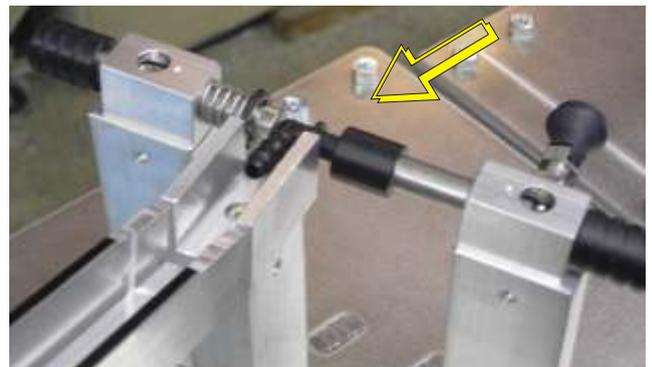


Gauge for controlling a pipe bundle with position control of fastening clip and angle.

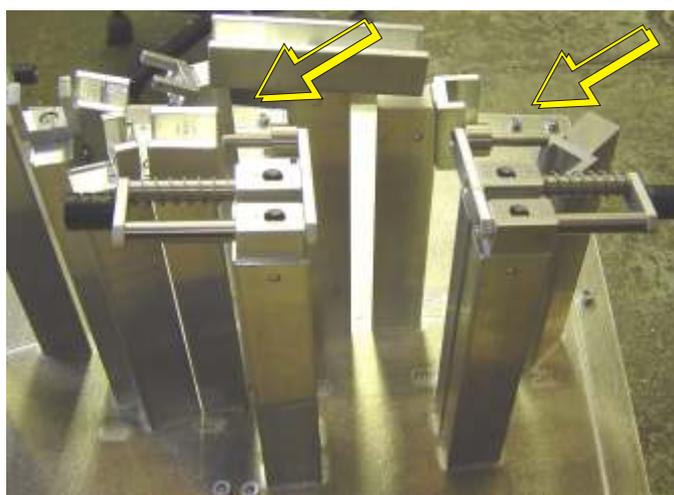
Control of pipe ends



Control of the position and angle of the connector.



Fixing of the 90° - Connector in zero-position with a locker.



Fixing the pipe ends with pins.

This is only a small selection of different types of controlling pipe ends. For every pipe we have the suitable kind of control.

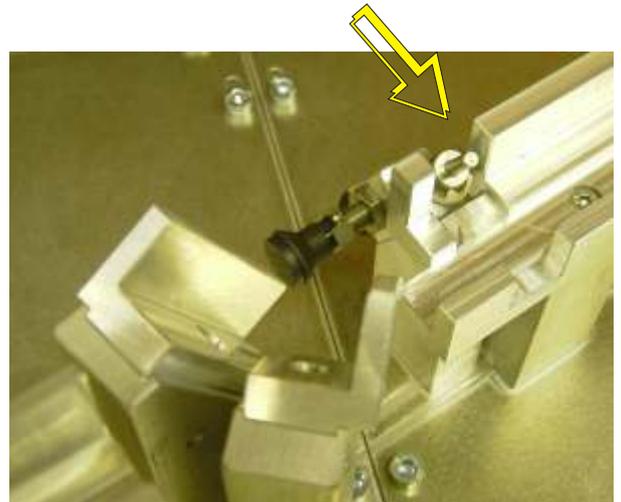


Position Control

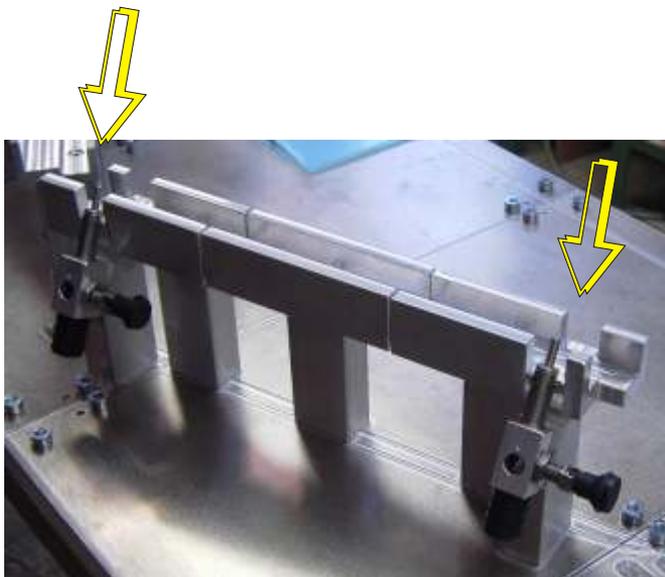


For controlling clamps, protection hoses or other attaching parts, we offer the suitable control possibilities.

The picture on the left side shows the initial part of a protection hose with the admissible tolerance.

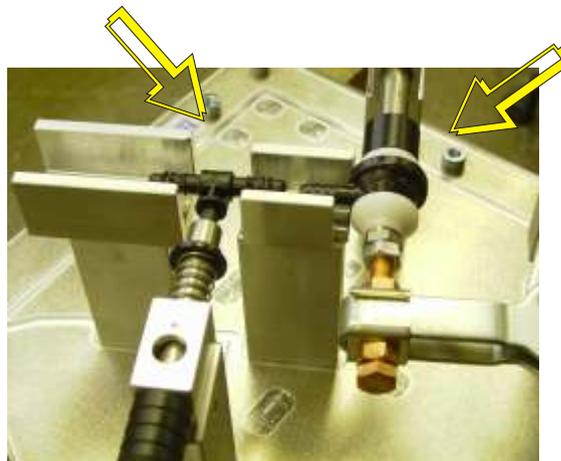


Here you see the control of fastening clips in position and location.

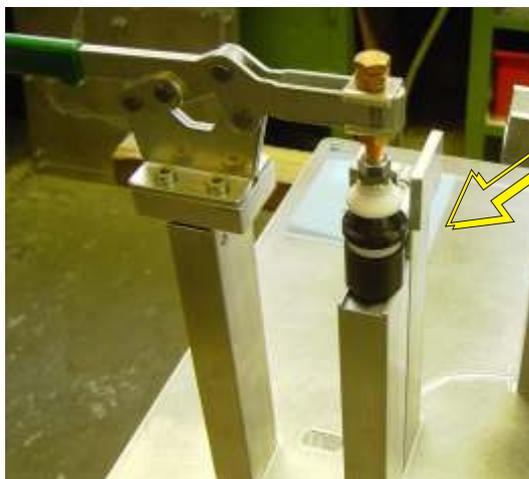


The shown test pins will fix the bore hole of the clips in 0-position.

Fixing Attaching Parts

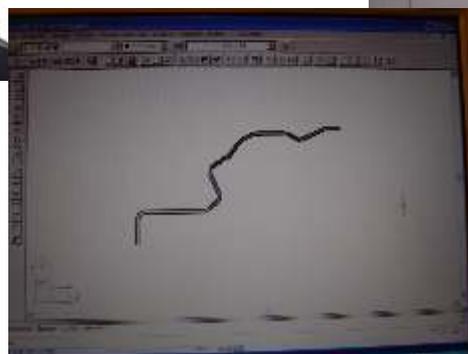
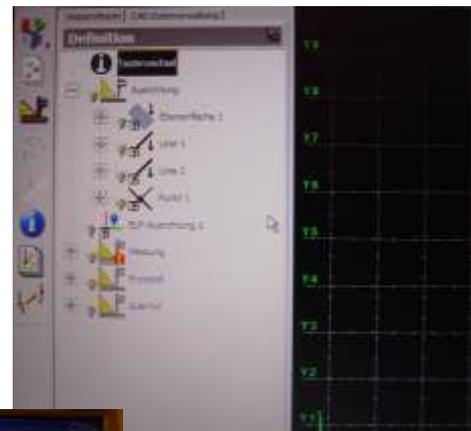


In case it is necessary to control valves, fasteners or filters in their location and angular position, we will use the suitable control- and clamping elements.





Using a **measuring arm** and two **measuring programs** (**nominal/actual value comparison** and **Best-Fit-methode**) before **delivery** we **check** the arrangement and **precision** of our gauges.



Of course, our **QM-system** is **certified** according to **DIN EN ISO 9001**.



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We are a team of specialists
and would be pleased
to receive your inquiry.
save costs and use our
competence and efficiency !
Prove your high standards
with our gauges !