



FARROS Grinding Systems
for perfect grinding

FARROS
Grinding Systems



FARROS Grinding Systems GmbH is a Swiss Engineering company located in Matzingen in the North East of Switzerland.

FARROS Grinding Systems GmbH

For the past thirty years we have specialized in design and production of belt grinding installations for the vessel and heavy tube industry.

Our knowledge and the production quality are the reason for our good reputation and have helped us to make FARROS the world wide leader in this industry.

Our customers are engineering companies and manufacturers of vessels who provide installations for:

- Chemical and petro-chemical industry
- Off shore industry
- Nuclear and pipe industry
- Food and beverage industry
- Pharmaceutical industry

Belt grinding machines for surface grinding on vessels, dished ends and edge preparation as well as wheel grinding machines for back gouging are standard products.

FARROS has also a long tradition in the production of tailor made machines for special applications.



Dished end grinding installations

Grinding and polishing of surfaces on dished ends, internal and external, in the range between 600 mm up to 11 000 mm depending the customer's requirements. Leading dished end producers from all over the world are on our reference list.



Internal grinding of ends



External grinding of ends



Grinding of diameters up to 11 000 mm



Combined grinding installations

Combined grinding installations for the surface on dished ends, vessels and cones internal and external, removal of weld seam reinforcements and also for back gouging of weld seams longitudinal and circumferential. Our installation can be utilised with high flexibility due to the modular design. Step by step extension of the grinding installation by various combinations helps us to meet the different requirements of our customers.



Back gouging of weld seams



Surface grinding internal and external on vessels



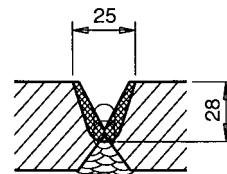
Internal and external grinding of cones



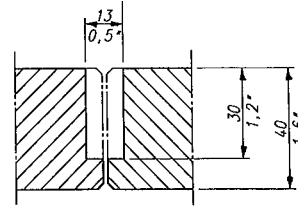
External grinding machines

Grinding installations for external back gouging and surface grinding on vessels. The machines are equipped with a universal grinding head KS-1200 or a KS-760 (for material up to 50 mm only). Both heads are able to work with grinding wheel or grinding belt.

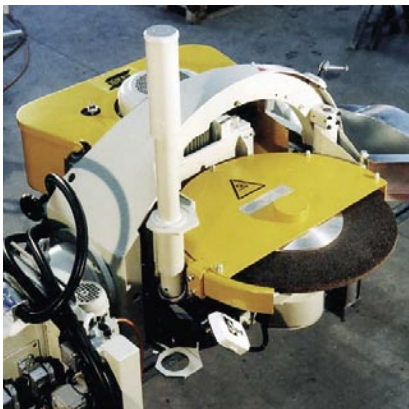
There is no increase of hardness on the edge zone and no carbonization built up thus preventing weld faults. This is one of the major advantages of the gouging with a grinding wheel.



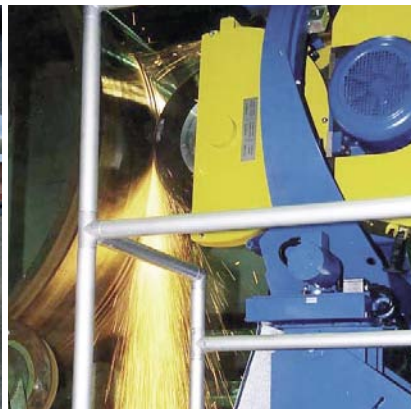
Tulip preparation



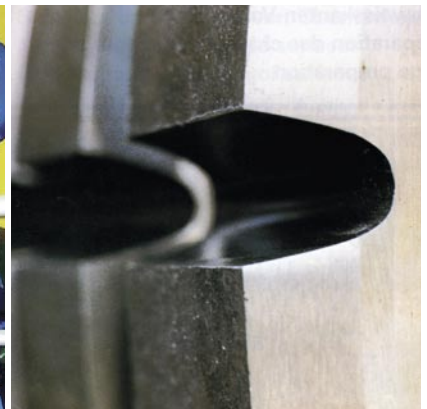
Narrow gap preparation



Back gouging longitudinal



Back gouging circonferential



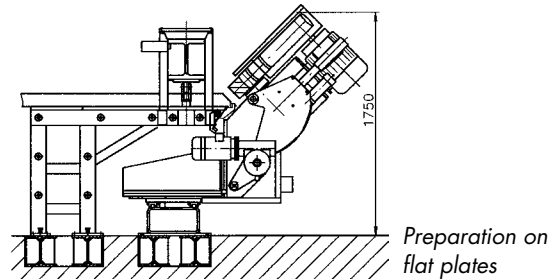
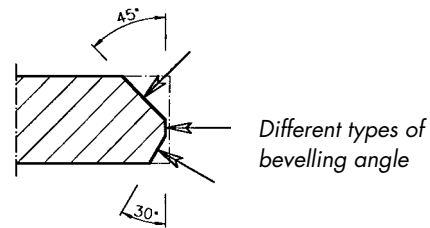
Back gouging sample



Installations for edge preparation

Grinding installations for edge preparation on dished ends, vessel sections and flat plates.

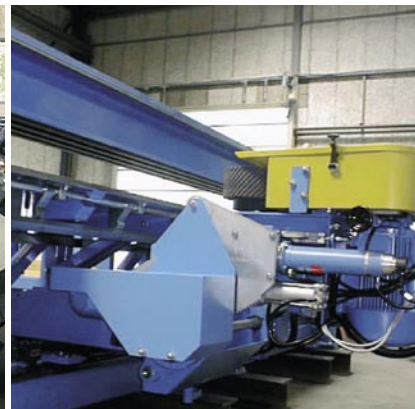
For edges on vessels and dished ends, we are working with a floating system, to compensate the eccentricity of the work pieces.



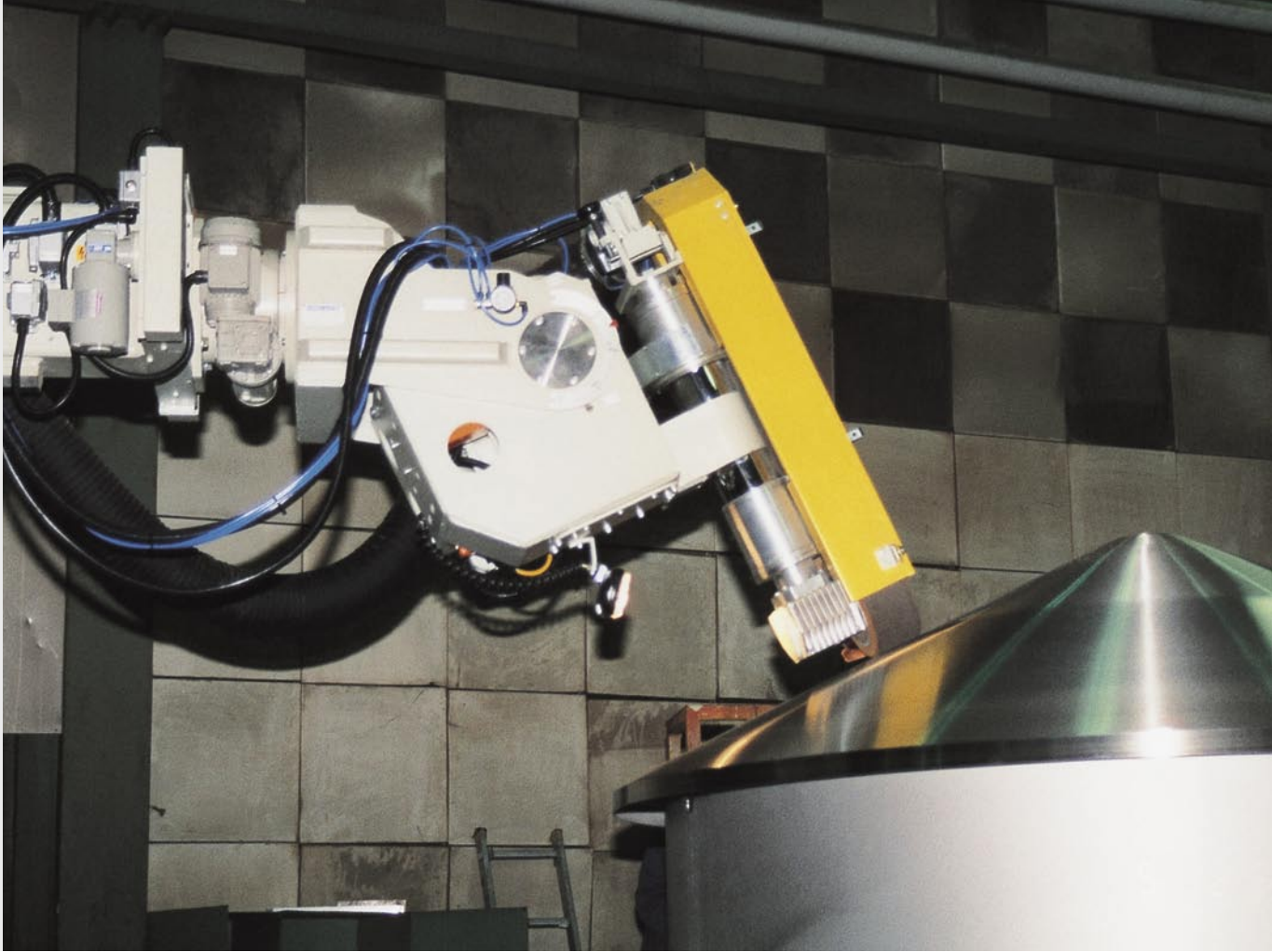
Edges bevelling on ends



Preparation on flat plates 60°



Preparation on flat plates 90°



Special grinding installation

Tailor made grinding installations for different industries, different applications and all sizes of work pieces have already been delivered and installed all over the world with great success.



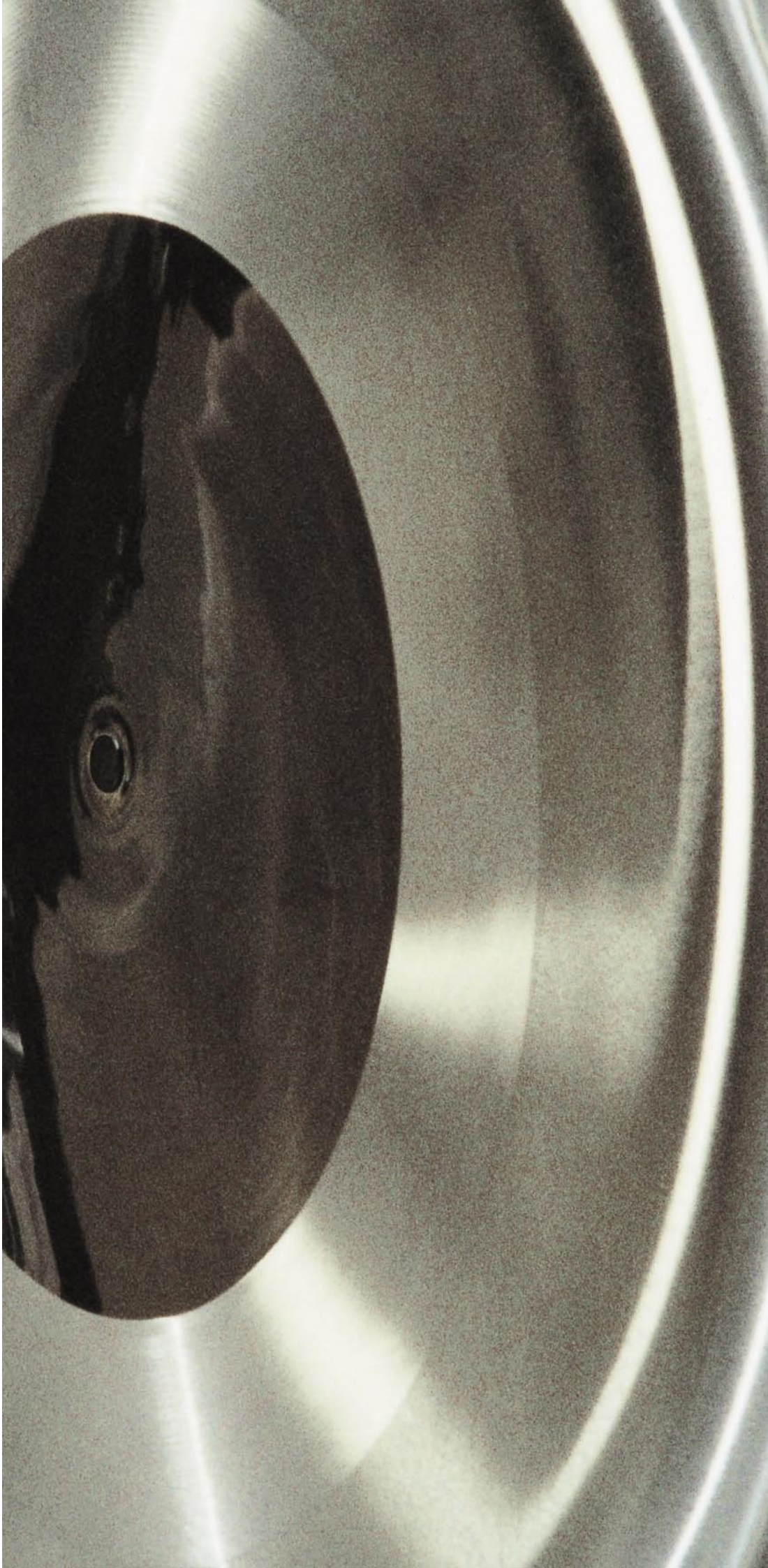
Vertical tanks



Grinding of rolls in the textile industry



Vessels with length up to 10000 mm



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