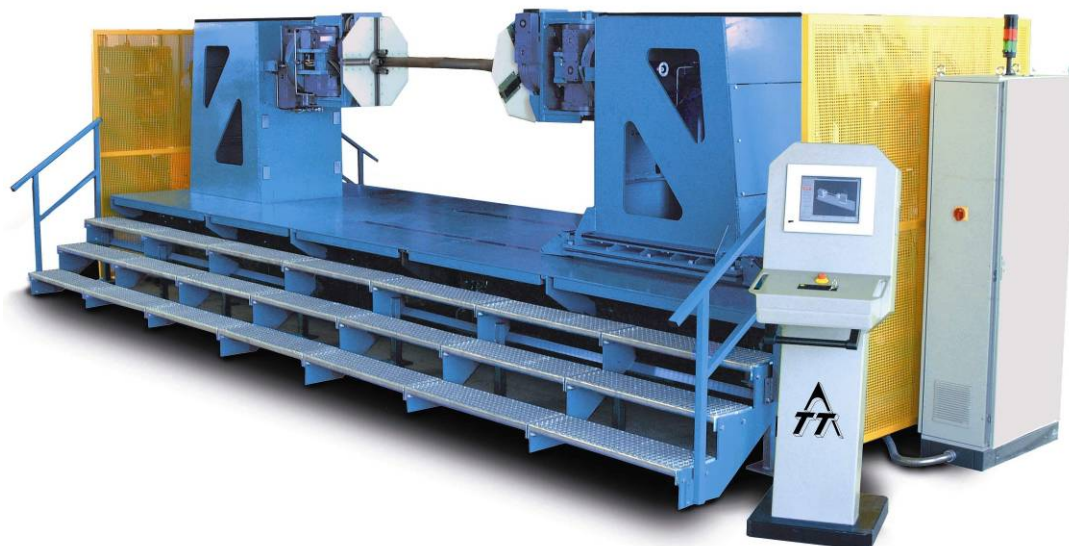


ROBOFIX

3D Positioning device for spot welding of the flanges to template pipes



Features / Equipment

- Highly precise three-dimensional positioning of the pipe flanges according to the on-site measured assembling situation, considering the correct rotation angle and the positions of the flange holes
- Direct input of the positioning data acquired by the SCOPELINK measuring device
- Robust gantry with precise guide rails, driven by servo motor
- 3D flanges with hemispherical orientation, driven by servo motors
- Hydraulic locking device for fixation of the assembling situation
- Mobile control board with Touch PC, control and visualisation software is pre-installed
- Integrated collision controls

Technical Data

Travel of the gantry	2000 mm
Max. direct length of the template pipe	2000 mm
Rotation of the 3D flanges	$\pm 90^\circ$
Stall torque of the 3D flanges	$> 500 \text{ Nm}$
Max. permissible weight of the template pipe	400 kg
Flange adapters	DN 40 - DN 400
Positioning accuracy of the 3D flanges	$\pm 0,01^\circ$ per d.o.f.
Positioning accuracy of the gantry	$\pm 0,1 \text{ mm}$
Dimensions (LxWxH)	7200 x 3500 x 2200 mm
Weight, approx.	8000 kg
Power requirement	16 kW

Subject to technical alteration • 2009-08



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PIPE FABRICATION

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