

Flexible Bending of Tube-Hose-Tube Combinations with the New Rotary Gripper for the TWISTER²

Technical Description:

Lines with a flexible hose part are mainly used in airconditioning technology and in hydraulic systems. These tube-hose-tube combinations impose particular requirements on the bending technology employed. The lines have to be held reliably in place in order to ensure that the tube is bent at the correct position in relation to the connectors at the end of the component. The TWISTER² robot bending technology with its enhanced rotary gripper is the ideal solution for processing these kind of lines.

Our Accomplishments for your Benefit:

- Special design of the rotary gripper enables the correct orientation of lines that are equipped with a flexible hose part
- TWISTER² is compatible with WAFIOS WPS 3.2 EasyWay and is programmed like a tube bending machine
- User-friendly machine control due to programming of geometry elements instead of axis travel paths
- Full integration of robot axes and rotary gripper in WAFIOS machine control
- Intelligent combination of handling unit and bending machine

| Technical Data | TWISTER ² 18 RL |
|-------------------------------|----------------------------|
| Max. tube diameter | 21.00 mm |
| Max. outer Ø of crimp sleeves | 35.00 mm |
| Standard length of hose part | 80 – 400 mm |

