

# Riveting/clinching unit TOX

## Technical data

- Pressing and nominal force 100 kN
- Total stroke 200 mm
- Max. piston speed 200 mm/s
- Machine, gripper No. TE-X

## Measuring configuration

- Force sensor measuring range nominal 5 % - 100 % of the force
- Measuring precision (force) <  $\pm 1$  % of the nominal force
- Force sensor sensitivity 0-10 VDC /  $\pm 20$  mA
- Reproducibility <  $\pm 0.01$  mm

## Fields of use / applications

- Joining process characterisation and process parameter variation during clinching and riveting
- Function-controlled programming of joining work flows by means of complex programs
- Electromechanical servo drive for exact monitoring and control of pressing and joining processes
- Available dies: Clinching (6 mm, 8 mm and 10 mm); solid rivets (4 mm and 5 mm); half-hollow rivets (3.3 and 5.3 mm)

