

relax and allow us
to take control

X-Y-Z-Positioner System for a Driveline Test Rig



X-Y-Z positioner unit with 4-pillar guide
for the mounting of a braking unit



X-Y-Z positioner unit with 7-pillar guide
for the mounting of a driving unit

Four X-Y-Z-positioners for the load units and one X-Y-Z-positioner for the driving unit were manufactured for an all-wheel driveline test rig.

Construction:

A base plate functions to shift the complete positioner unit in X-direction. An intermediate plate is used for the movement in Y-direction. The die set for the adjustment in Z-direction is also fixed on this plate. The number of pillars depends on the design of the respective unit. A top plate carries the electro motor.

Positioning:

Differential thrustors or alternatively gear motors and trapezoid spindles are used for the shifting in X- and Y-direction. The Z-adjustment of the top plate is realized by means of plunger cylinders. The separate moving plates can be clamped manually or with spring clamps.