

Impact-resistant gear unit – a new era begins with the «high» gear unit from pL LEHMANN

Sectors

Workpiece clamping

Machine concept

DD or PGD

DD benchmark

PGD benchmark

Additional USPs

ROTOLUTION & Service

User reports

Wherever work is performed, errors happen. Collisions can happen as the result errors in the CNC program, because of the fixture or because of the tools.

Axial or lateral collisions test a bearing's capabilities. Most rotary tables are quite capable in such situations. If the forces are applied tangentially, however, extremely high loads on the gear unit are unavoidable.

For example: The impact of a steel ball weighing 5 kg falling from a height of 60 mm at a distance of 250 mm produces a torque of 1'000 Nm on the spindle.

Most rotary tables have a bronze gear. While it can absorb severe impacts, a serious indentation cannot be prevented. Significant inaccuracy is the result at this position.

