

# STEEL INDUSTRY

## RACO electrical cylinders for adjusting the measuring arm to roll-grinding machines

The steel strip is led through rollers during the manufacture of steel strip. The preferred thickness for the sheets is rolled from steel plate while doing so. The rollers are subject to wear that is caused by the process. The damaged surfaces of rollers must therefore be measured and then reground at appropriate intervals.

Rolling mills worldwide therefore have roller-grinding machines placed next to the rolling racks. The rollers are measured during the grinding stage. A measuring arm for testing the surface's quality swings in while doing so and then it swings out during the processing stage.

The stages when the measuring arm is swinging are controlled by means of the RACO T1L6 electrical cylinder in this case. The RACO precision trapezoidal threaded drive not only ensures self-limitation during a standstill but also the positioning. No production of metal sheets is possible when the testing device breaks down, which means that all of the testing devices must guarantee absolutely functional efficiency: this is ensured by the high availability and reliability of RACO electrical cylinders.

### Technical Data:

#### RACO Elektrozyylinder Type T1L6

Linear force:  $F = 20 \text{ kN}$

Stroke:  $s = 400 \text{ mm}$

Linear Speed:  $v = 50 \text{ mm / sec}$   
(controlled by inverter)



application report

