# Cyrus-Bradford

## Twin Rack Rotary Actuator Cylinder Case Study

Hydraulic Twin Rack Rotary Actuator designed and supplied as part of a large project upgrade to a UK based Steel Mill.

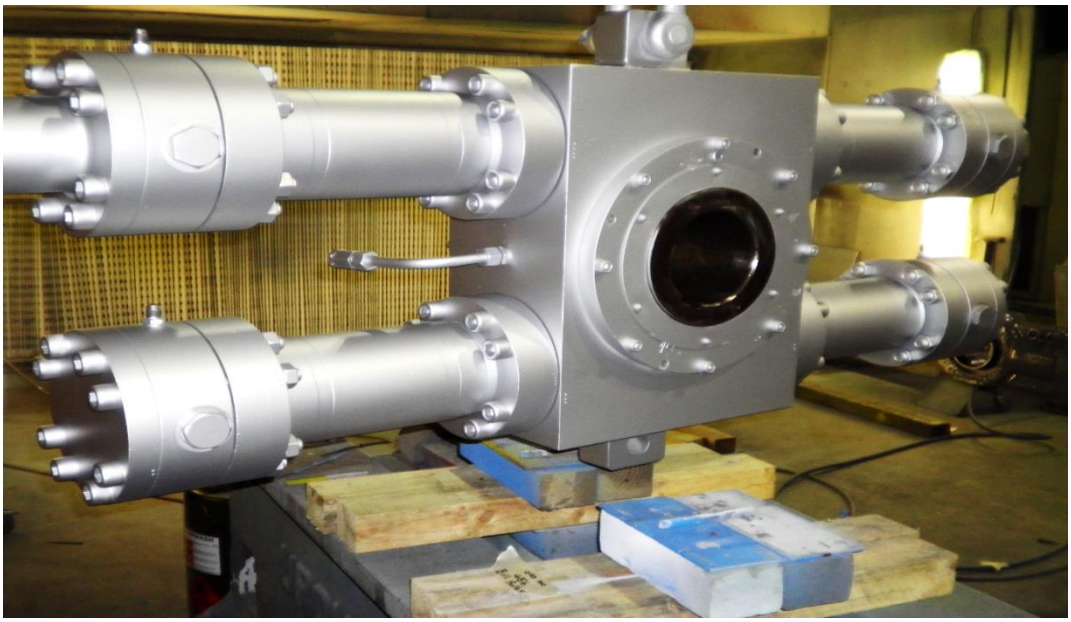
Rotary Actuators convert fluid power into rotary motion and provides uniform torque in both directions.

They are designed for slow speed rotation applying high torque to the movement of large masses.

Working pressure 210 bar.

Our Bradford facility successfully managed the design brief for this equipment integrated into a larger project managed by others in support of end-user client. We engaged completely with project managers updating on progress and ensuring timescales adhered to.

Torque at 210 Bar = 67765Nm



Total slewing angle = 144 Degrees (Stroke length 362mm)
Working slewing angle = 140 Degrees (Stroke length 352mm)
Minimum slewing angle = 136Degrees (Stroke length 342mm)