

MORLEY

Precision Measurement Solutions for Manufacturers

Mini Case Study: Paper Mill – Roll Repair

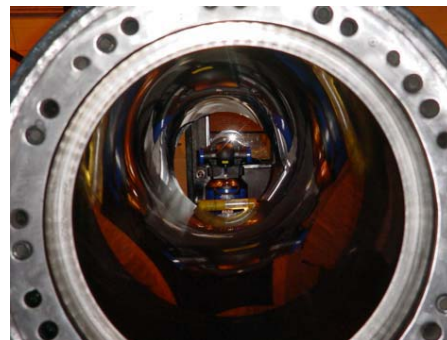
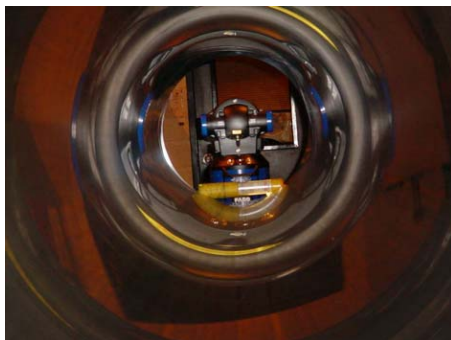
Project: Measure inner cylinder bores for paper mill roll

Location: Metso Paper – Federal Way, Washington

A Paper mill roll with a complex internal hydraulic system needed to be checked to see if the bearing journals were in line with the main body of the Cylinder. The End journal and the long internal diameter were measured then the Faro Laser Tracker was “leapfrogged” to the other end of the cylinder and the co-ordinate system was re-established. The journal was measured and the three measurements compared to the centerline of the roll.



The Laser Tracker is set up to take readings on the inboard bearing housing and the entire length of the cylinder bore diameter.



Strange reflections are viewed on the polished surface of the bore. The inspection showed that the bearing journals were still in line with the cylinder bore and the roll could go on to the next process.