

MORLEY

Precision Measurement Solutions for Manufacturers

Mini Case Study: Shipyard

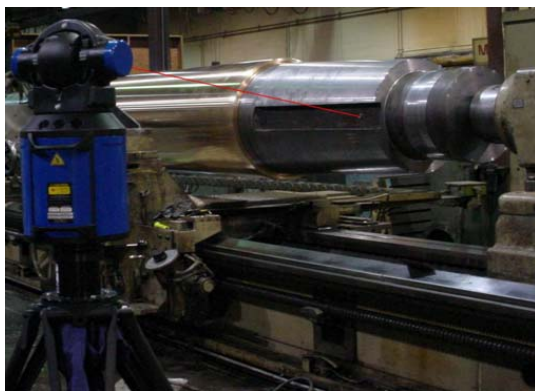
Project: Measure 47 foot 50 ton Navy propeller shaft

Location: Todd Pacific Shipyards – Seattle, Washington

This 47 foot 50 ton Navy propeller shaft was being repaired on an 80 foot LeBlond lathe at Precision Engineering for Todd Pacific Shipyards. The two keyways were 180 degrees apart and had to be positioned for machining. The shaft had to be checked for correct alignment in the lathe. The diameters at the steady rests were checked and the shaft was moved to the correct center line to rotate and set the keyway positions. The Faro Laser Tracker was also able to check the taper angle for the final finish cut.



Keyway with milling head in position for machining



Setting keyways for machining and inspecting both keyways, diameters, and taper with Faro Laser Tracker on 80ft LeBlond lathe