

Faro Laser Tracker CNC Axis Rail Alignment

PROJECT SCOPE

Mitsubishi Power Systems was in the process of rebuilding a CNC after a malfunction. As part of these repairs, the APC, Z, X, and Y axis guide rails needed to be replaced. To ensure that the rails were aligned properly Mitsubishi Power Systems contacted ACQUIP to assist in the alignment measurements and adjustments of the guide rails.

HOW WAS ACQUIP INVOLVED?

ACQUIP rapidly mobilized to the jobsite with a FARO Vantage Laser Tracker. ACQUIP was then able to quickly take measurements on the alignment conditions and immediately recommend changes and adjustments to improve the alignment conditions to within tolerance. Parallelism, perpendicularity, angularity, flatness, and straightness of the guide rails were compared and corrected as needed.

RESULTS OF THE PROJECT

ACQUIP Alignment Engineers measured the guide rail alignment conditions quickly and accurately using the FARO Vantage Laser Tracker. ACQUIP was then able to direct Mitsubishi Power Systems to quickly fix the alignment on the guide rails and continue the unit repairs.

