



NORTH STAR NEWS

- MACHINING
- MILLWRIGHTING
- WELDING
- DYNAMIC BALANCING
- NON-DESTRUCTIVE TESTING

Fall/Winter 2020

KEEPING THE WHEELS OF INDUSTRY MOVING

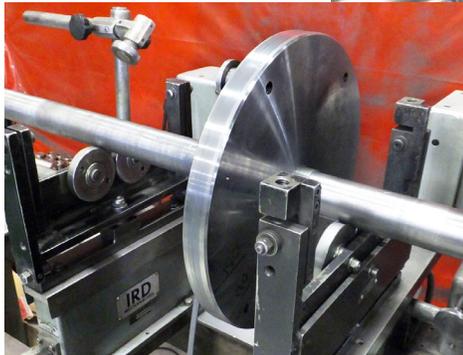
Featured Customer Service: DYNAMIC BALANCING

Customers who use equipment with rotating parts have relied on North Star for more than 35 years to provide dynamic balancing to improve the efficiency of associated assemblies and prevent damage down the road from rotating equipment even slightly out of balance.

Using the latest hardware and software, typical problems that can be identified include looseness, misalignment, unbalance, bearing deterioration, gear wear, electrical motor faults, resonance issues, soft foot, and aerodynamic and hydraulic issues.

The company offers both in-house and off-site balancing for rotating parts weighing up to five tons, with most work being completed within three to five days.

Dynamic balancing services are provided to a range of customers in such industries as steel, energy, pulp and paper, water treatment and food production.



Above: Production coordinator and balance technician Adam Hutchings balances a roll for a steel mill. Left: A tooling part for a mandrel is balanced.

Up and Running During COVID-19

Considered an "essential service," North Star Technical has continued to serve customers throughout the COVID-19 pandemic, although on-site work had been suspended for almost six weeks from mid-March through April.

No employees were laid off, and machining, millwrighting, welding and dynamic balancing projects have continued to flow through the company's large shop since the pandemic was declared earlier this year.

SHOP NEWS



Quality inspector Andrew Sim uses North Star's new measuring arm to inspect a fabricated bell crank assembly to validate the conformity of the part.

A New Measuring Device

North Star has recently acquired a new FARO Quantum S portable measuring arm and associated software to inspect parts and assemblies. The device produces accurate and precise data gathered from customer-supplied samples to help create CAD models and drawings for manufacturing purposes. It is also used to evaluate finished dimensions on repairs of worn and damaged parts, and for new fabrications and components for conformance to specifications.



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