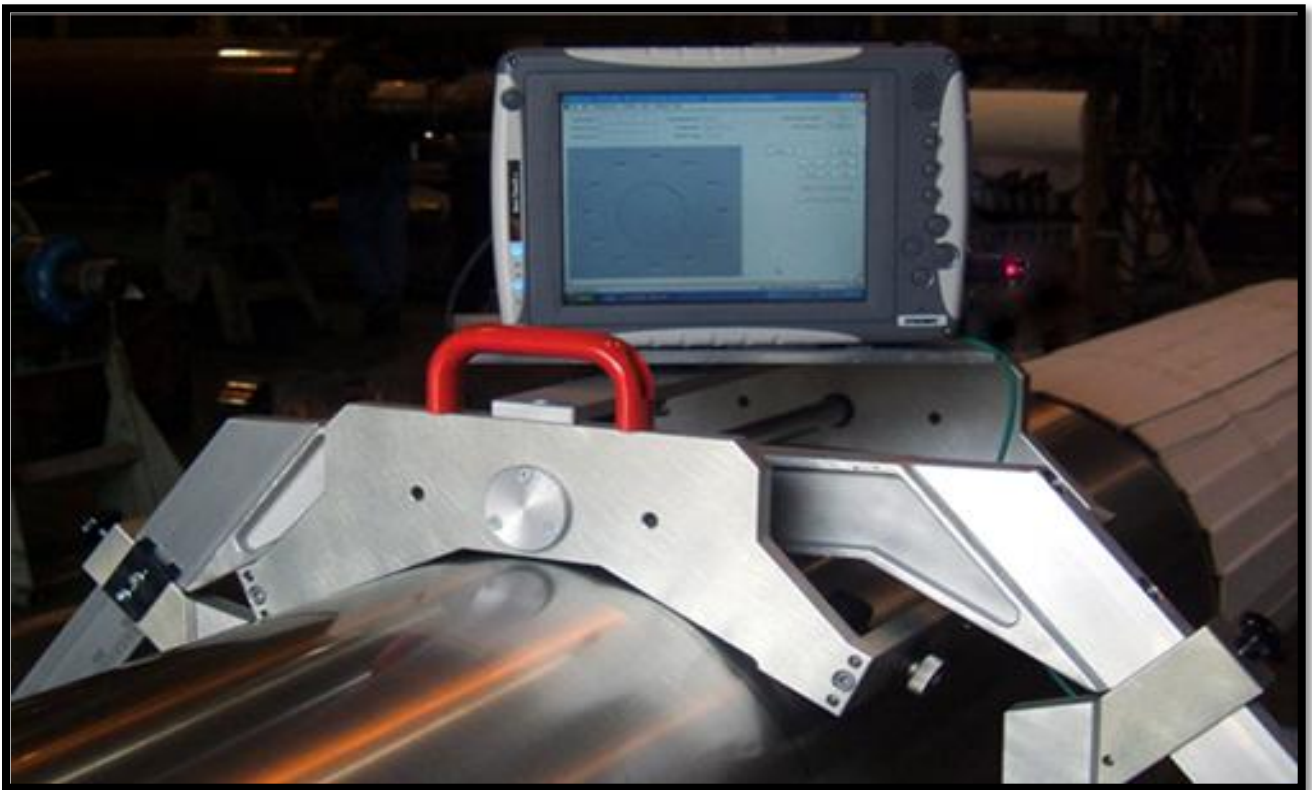


Application Story

Dynamic

Paper and metal roller measurement using the Orbit[®] 3 Network



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The Product

The Solartron Orbit® 3 Network is a fully formed digital measurement system that makes it simple and easy to inter-connect high accuracy Solartron instruments and sensors to your computer, network or PLC.

orbit3

The Challenge

Paper machine maintenance is a large task; part of this task is roll maintenance / grinding. These rolls require a high degree of roundness and surface finish with minimal run-out.

The Solution

The Orbit® 3 measurement system supplies the roll grinder operator the data needed. It provides the operator with axial and roundness surface information and diagnostics so that machine adjustments can be made in a timely manner.

One Digital Probe records the roll profile shapes and a second Digital Probe is used as a diagnostic tool to measure roll motion. A rotary encoder connected to an Ethernet Interface module provides degree of rotation measurement relative to probe position.

This solution is cost effective and less complicated than other multi-probe systems in this industry application. The ability to integrate a rotary encoder with probes provides a complete solution.



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