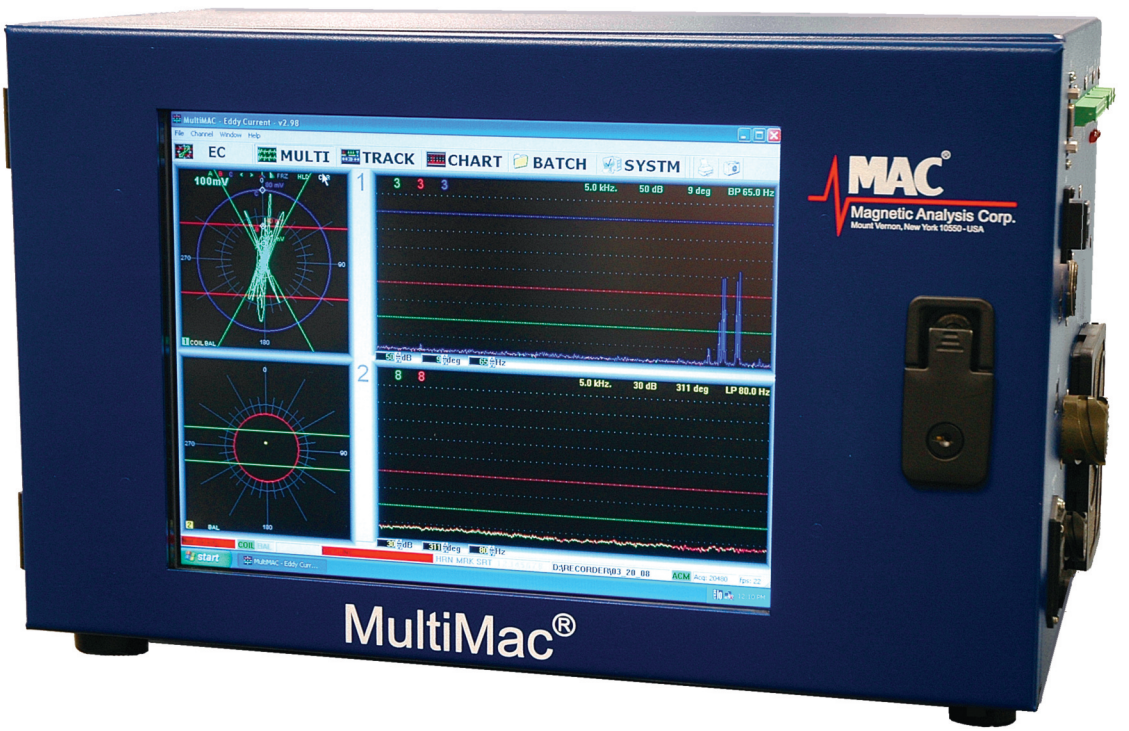
MAC®
Magnetic Analysis Corp.

Monitoring Mill Rolls During & After the Grinding Process

Using the MultiMac® SM Compact Eddy Current Equipment



The Multimac® SM Eddy Current Test System can detect and quantify these conditions during and after roll grinding:

☑ Roll Cracks & Seams ☑ Bruising ☑ Pitting ☑ Craters ☑ Bursts

System Advantages Include:

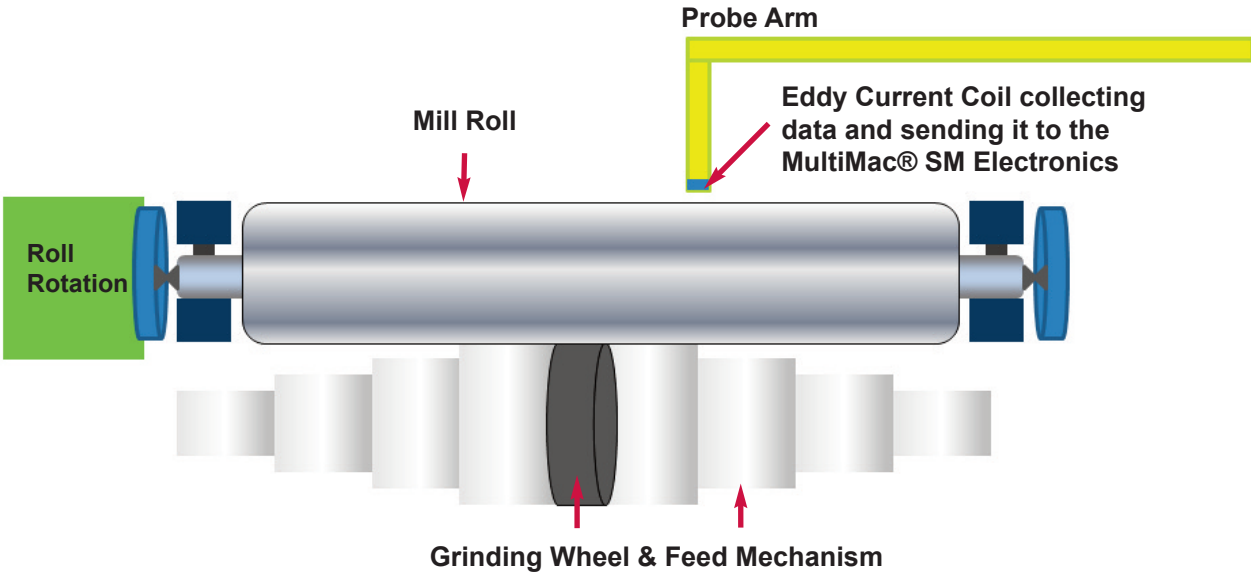
- ☑ Better control of the grinding process
- ☑ Eliminate or reduce acid etching
- ☑ No guess work - severely damaged rolls are easily quarantined
- ☑ Extended roll life improves production process
- ☑ Eddy current results are recorded and archived

During the roll grinding service, it is important to have an eddy current probe monitoring the roll to provide feedback as to when the defects are completely removed. A MultiMac SM installed on the grinding machine can first find the defects within the roll and then monitor the process of removing those defects and restoring the roll to proper form. Using eddy current testing during the grinding process expidites the operation.

This process of roll analysis may also be used in large flat-stock producing steel mills to inspect “wear and tear” of the mill rolls during production down time. In this instance, with proper monitoring, defective rolls may be detected and removed from the production line earlier, reducing the quantity of rejected material.

The Multimac SM tester is housed in a compact cabinet that includes a 15” screen monitor. The main test screen display provides all the information needed to set up and operate the MultiMac SM. Polar and linear signals can be simultaneously displayed, along with all test parameters.

- ☑ Real-time Assessment
- ☑ Easily Mounted
- ☑ Networked
- ☑ 2 Channels



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