



Roll Cracking Safety

A SOLUTION TO PREVENT ROLL CRACKING

During a mill crash, rolls can be damaged and develop micro-cracking. This cracking could lead to an explosive shattering or fragmentation of the roll and unfortunately, serious injuries are the result. In order to avoid these circumstances, Acoustic Emission testing can be used in addition to current safety practices. Acoustic Emission (AE) is a technology that hears active micro-cracking in rolls. Once the cracking emissions stop, rolls are safe to move. If rolls are acoustically active, they can remain in a safe storage area until the activity stops.

PACKAGE INCLUDES

- RollPAC System, Charger, Case, Couplant
- Pre-set Testing File
- Technology Package, Instructions
- 2 Sensors and Cables
- 2 Magnetic Clamps
- Optional Reply Software for PC
- Optional Linear Location set up files
- Optional Training Video



Steel and Aluminum companies have been using this technology for over 15 years and MISTRAS Products & Systems has now developed an improved system based on a convenient, pocket PC platform. The result: a straightforward, easy-to-use instrument that can be operated by just about anyone.

By simply attaching the sensors and powering up the unit, testing will begin. The simple step-by-step procedure allows a user to find active cracks in a short, one-hour monitoring time period.

A single numeric Acoustic Emission value is produced by the unit, simplifying the pass or fail process for the roll. The RollPAC system



has two channels allowing two rolls to be tested at one time and with additional set-up, the system can be programmed to provide a linear location documenting the point on the roller where actual cracks are happening. All systems include a technology package and specific instructions for testing rolls.

For more information, call 1-609-716-400 or visit us on the web at www.mistrasgroup.com

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