

## Rolling Mills

Parallel, Square, Level, Plumb and Circular are familiar alignment terms. When rolling equipment varies from plan alignment specifications, the mill does not run as efficiently. Misalignment can cause and/or effect strip shape, cross rolling, loose edge, thrusting, chatter and coil wrap. Each of these conditions affects productivity and the quality of the finished product.

Falk-PLI utilizes Laser Tracking, one of the newest surveying technologies available, to help clients resolve alignment issues. The laser tracker allows 3D measurements to be taken on objects more quickly and accurately; each measurement having 3D (X,Y,Z) coordinates with an accuracy of .001". Measurements are provided at up to 10,000 observations per second yielding excellent statistical redundancy and repeatability.

Falk-PLI has the ability and experience to verify roll alignment, shape roll alignment, wrap angle, window openings, bed liners, sled liners, stack height, interstand rolls, payoff reels, tension reels, roll chocks or most any alignment issue.

Experience shows that the Falk-PLI alignment process is faster than conventional alignment and also improves product quality and extends equipment life.

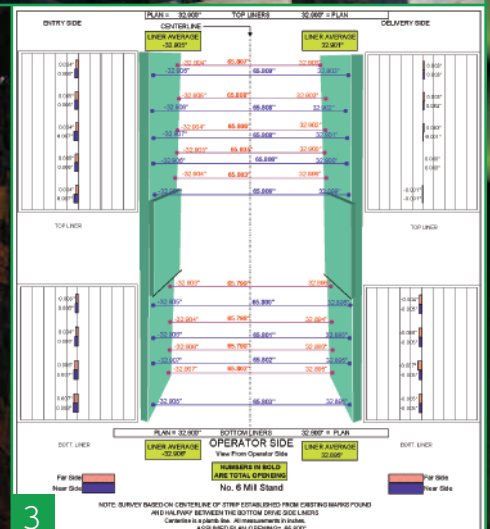
- 1 ***In order to determine the center of a coupling face of a gearbox, Falk-PLI will constantly measure the prism while it is moved over the surface, modeling a cylinder and reporting the centerline coordinates and radius.***
- 2 ***Crew member measuring a millhousing to determine plumbness and distance relative to centerline of millhousing.***
- 3 ***Sample mill stand report showing window opening measurements relative to print dimensions***



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