Mash Seam Weld Inspection System for Cold Rolling Mills

**WHY IS IT REQUIRED?**
- Cold rolling mills and continuous galvanizing lines utilize seam welding of the strip at the entry for maintaining continuous feed to the mill.
- These welds are prone to failure under operating conditions due to physical defects.
- Weld failures lead to forced mill shutdown resulting in significant production loss.
- Weld breakages in line can be averted with an online system to quantitatively assess the weld for defects.
- Avoid Rank-A due to strip thickness mismatch at weld station.

**HOW IT WORKS**
- Specially designed ultrasonic sensor for high speed scans of the entire volume of the weld seam.
- Compact scanner design allowing integration within physical constraints of the mill.

**WHAT IT DELIVERS**
- Online detection of physical weld defects.
- High scanning speed (< 1min)
- Improving weld reliability by quantitative assessment of weld seam.
- Serves as a tool for optimizing welding parameters.
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