

EMATEST-WSP **Non-Contact ERW-Pipes Scarfing Monitoring** **EMAT in its Excellence!**



Problem:

During the ID scarfing process the cutting ring is wearing out slowly that downgrading quality.

Solution:

EMATEST-WSP Scarfing Quality Monitoring System based on a state-of-the art EMAT NDT technology that allows in-line inspecting the quality of the scarfed surface and detecting the situation when the cutting ring is worn-out or broken.

Knowledge about the scarfing quality is an important issue regarding the tolerances, which categorize good, or bad scarfing.

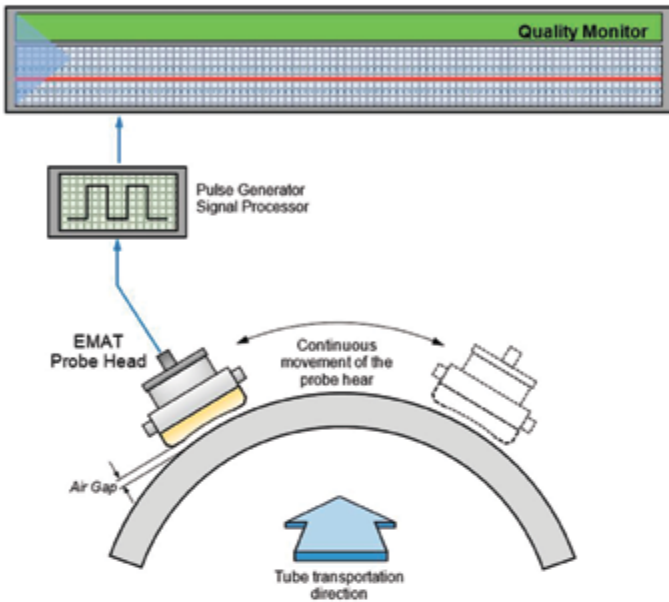
In many pipe mills the first point at which the operator can observe scarfing quality is after the cutoff. This may result in large amounts of scrap, or expensive rework of the pipes.

Benefits of EMATEST-WSP:

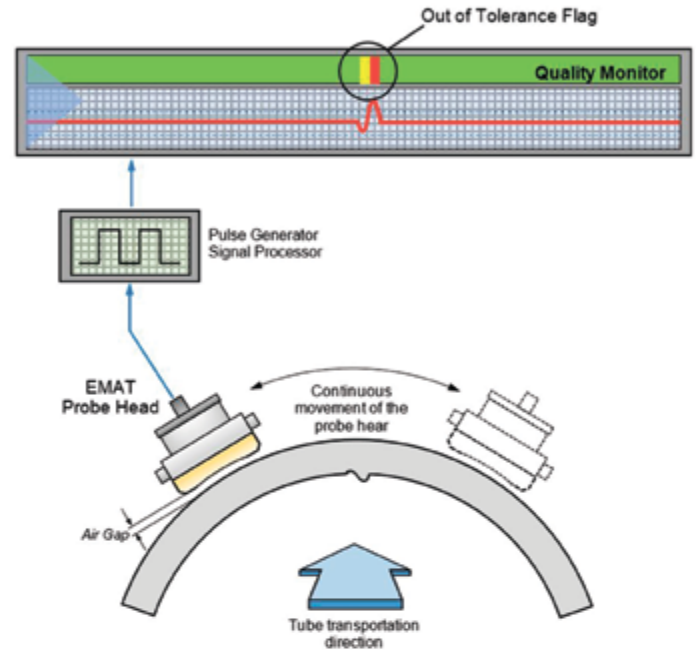
- **no mechanical parts inside the tube**
- **contactless – can work in the hot area**
- **no liquid column coupling necessary**
- **optional weld seam NDT inspection**
- **optional out of tolerance marking of the tube**

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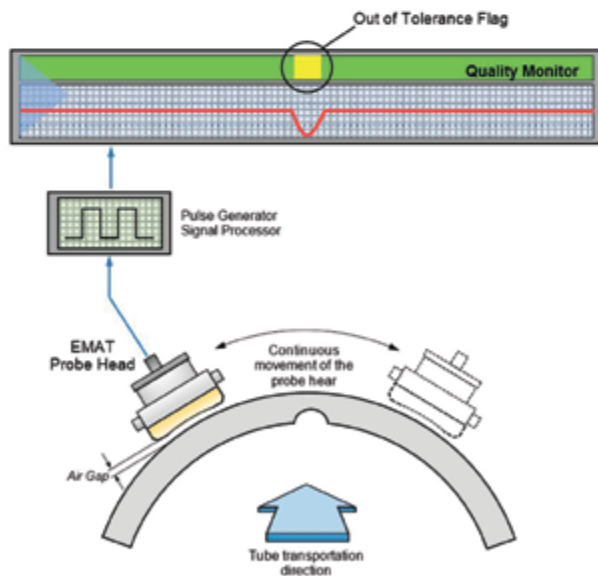
Good Scarfing Quality



Broken Cutting Ring



Undercut



Lack of Scarfing

