



# CERTIFIED LANCE & FEED TUBES

## Sootblower Safety for Pulp & Paper

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### Aging Equipment

Competing priorities and budget constraints have left operators facing the all too common "run to failure" maintenance practice. One forced outage due to heavy plugging or fouling can cause millions of dollars in lost production time. Not to mention the risk of a major injury to the staff. Lowering production targets is not an option. A systematic and cost effective maintenance program is needed.

### 100% NDT Certified Recovery Boiler Feed & Lance Tubes

To ensure safe sootblower operation, Clyde Industries is moving to set a new industry standard for sootblower safety. Effective January 01, 2018, Clyde Industries will only supply 100% Non-Destructive Test (NDT) certified feed and lance tubes to our pulp & paper customers. All Clyde Industries certified feed and lance tubes will be shipped with a certified mark. All quality documentation will be stored in the Clyde Industries Quality Management System database and updated accordingly.



# SOOTBLOWER SAFETY

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All certified feed and lance tubes will go through stringent Clyde Industries standard Quality Assurance/Quality Control:

- 100% NDT before shipment with either X-Ray, Ultrasonic, Liquid Penetrant, and/or Magnetic Particle
- Stamp and traceability of each tube
- All necessary Pre-heat and Post Weld Heat Treatment for lance tubes in full compliance with ASME Section IX Welding Procedure and Recommendation
- One piece feed tube with no splicing

## Benefits

- Eliminate the risk for catastrophic damage caused by lance and feed tube failure
- Safety of plant personnel
- Reduce costs for field test/inspections
- Peace of mind



### What We Recommend:

Sootblowers should be inspected regularly for misalignment to avoid excessive loading on the flange lance.

All spliced feed tubes that have been in operation for 8 years or more be replaced at the earliest convenience.

Spliced feed tubes that have been in operation for less than 8 years, Clyde Industries offers discounted feed tube replacement based on years in service.



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COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
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