



**Upgrade of retractable  
sootblowers**

# SEELEN's patented Seal Brush

- Seal is always touching the lance tube through steel bristles
  - No gap -> no flue gas leakage
  - Reduced sealing air consumption
- Flexibility of bristles
  - Allows movement of lance tube
  - No sticking or jamming
- Keeps the lance tube clean and smooth



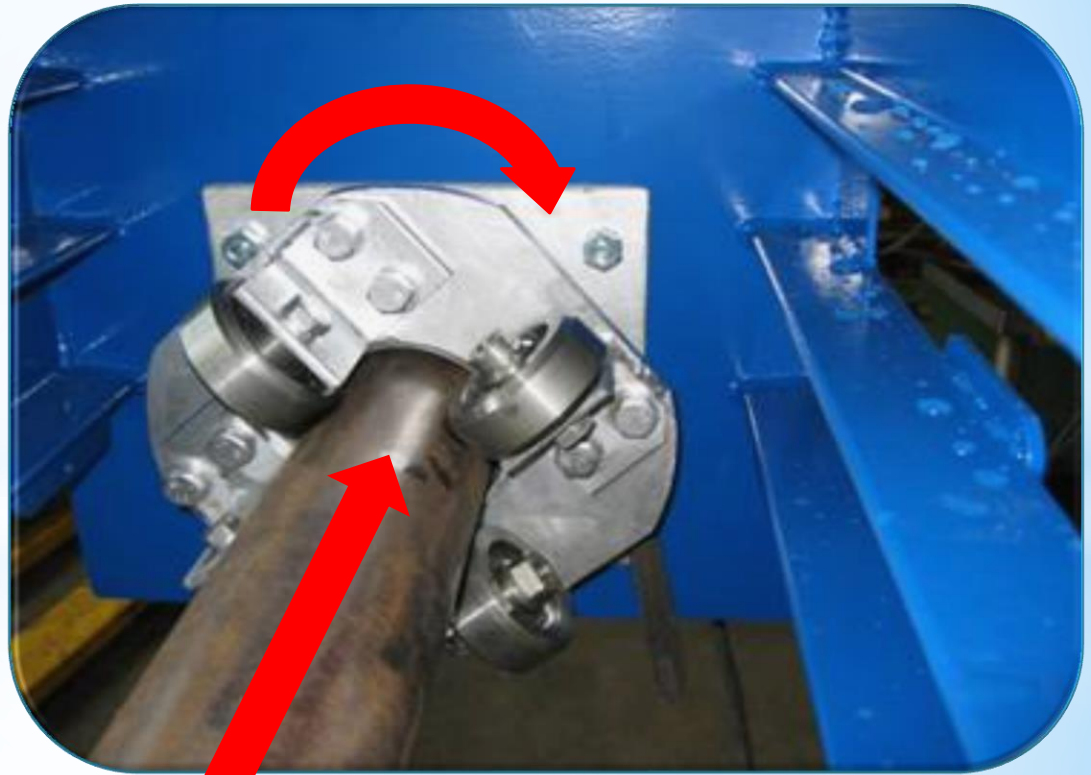
# SEELLEN's Brush Sealing Wall Box

- The SEELEN Seal Brush increases the efficiency of sealing air wall boxes by 38%
- Advantage:
  - No flue gas leakage
  - Less sealing air consumption
  - Clean and smooth surface of lance tube



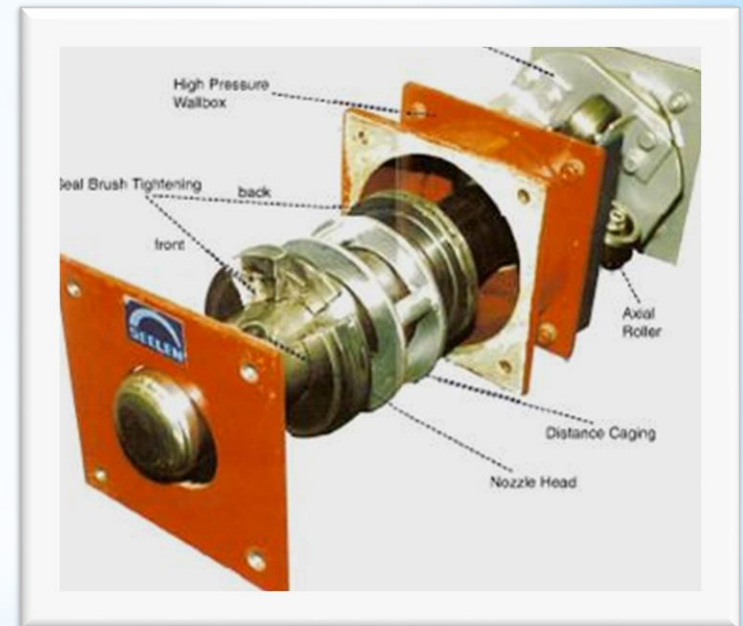
# SEELLEN's Front Roller Bracket

- The SEELEN Roller Bracket (lance tube support) leads to distribution of the translational and rotational forces
- Advantage:
  - Smooth movement
  - Almost no wear
  - No jamming



# Advantages of the SEELEN Upgrade

- High reliability of long retractable sootblower due to SEELEN upgrade
  - Higher efficiency of heat transfer
  - Less boiler shutdowns
  - Less maintenance effort and cost
- Improved wall box sealing
  - Less pollution and flue gas discharge



- ✓ *Less costs in the long run*
- ✓ *Protection of the environment*

# REFERENCES



Shell

TEXACO

EVONIK INDUSTRIES

Refineria Isla Curaçao B.V.

BAYER

AQUALECTRA

EXXON

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**made in germany**

www.seellen.com