

IMPROVE SAFETY | SAVE MONEY | INCREASE PRODUCTIVITY

■ WETTING BOWL (See Figure 1 for more details)

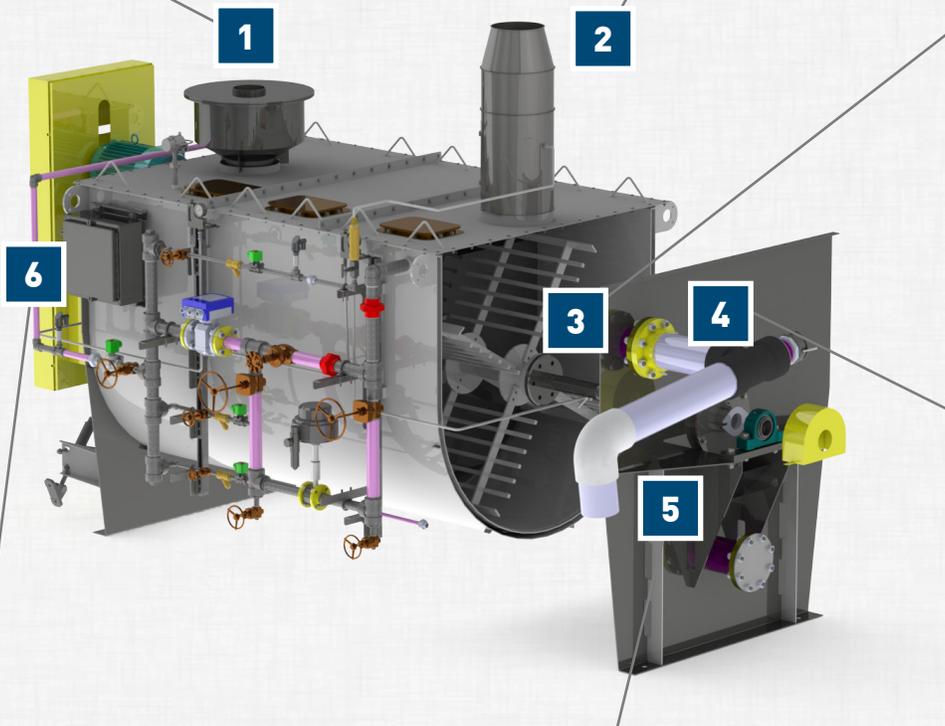
Ancillary device added at slaker inlet, which creates a water curtain around the dry feed stream.

BENEFIT: Increases efficiency and saves you money by preventing the buildup of lime, putting more lime in your process. Improves safety due to reduced dusting with less potential for upstream plugging.

■ FORCED DRAFT WET SCRUBBER (See Figure 2 for more details)

A component that captures the dust and steam by introducing a water curtain across the air stream from the slaking chamber.

BENEFIT: Increases safety by reducing undesired emissions and lowering exhaust temperature. Saves money on wasted lime and maintenance time due to quick access connections and no moving parts.



■ STUB SHAFT TO AGITATOR SHAFT CONNECTION

Centering pilot flanged connection between stub and agitator shafts eliminating any play at joint.

BENEFIT: Saves time and money by reducing seal packing wear, extending shaft life and decreasing replacement frequency.

■ AGITATOR SHAFT BEARINGS

Bearings are external to the slaker where they are not exposed to the lime slurry.

BENEFIT: Saves time and money by minimizing wear and tear due to no contact with the lime slurry. Facilitates easier replacement meaning less maintenance costs.

■ AUTOMATION/CONTROLS

A programmable logic controller (PLC) monitors inputs and outputs, and makes logic-based decisions to control the system's water flow.

BENEFIT: Increases productivity by producing the best quality lime slurry. Saves you time and money by minimizing the manpower needed to monitor the system.

■ NEW SEAL ARRANGEMENT (See Figure 3 for more details)

Asymmetric packing type seal arrangement with water flush.

BENEFIT: Improves safety and saves money by reducing seal leaks and extending the shaft life. Increases productivity due to its maintenance friendly design where there is no need for special or precision tooling or training.

FIGURE 1 - **WETTING BOWL**

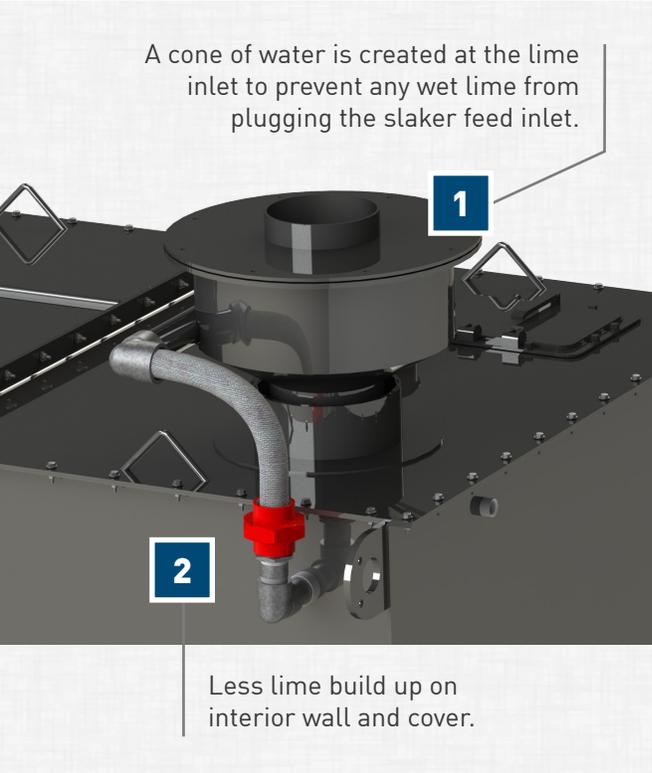


FIGURE 2 - **FORCED DRAFT WET SCRUBBER**

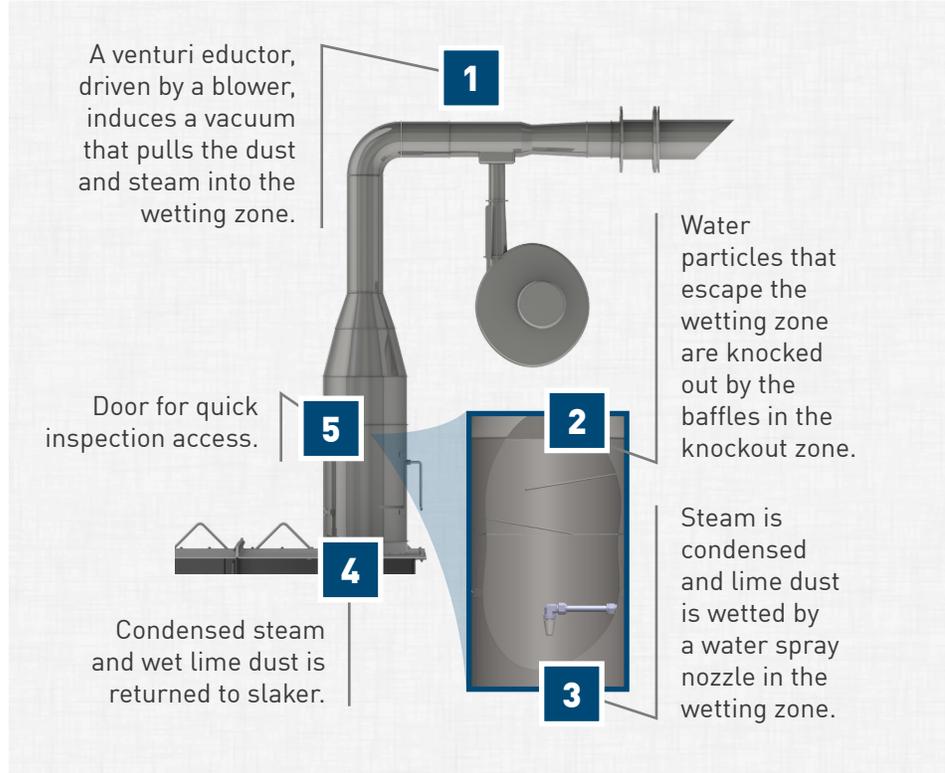
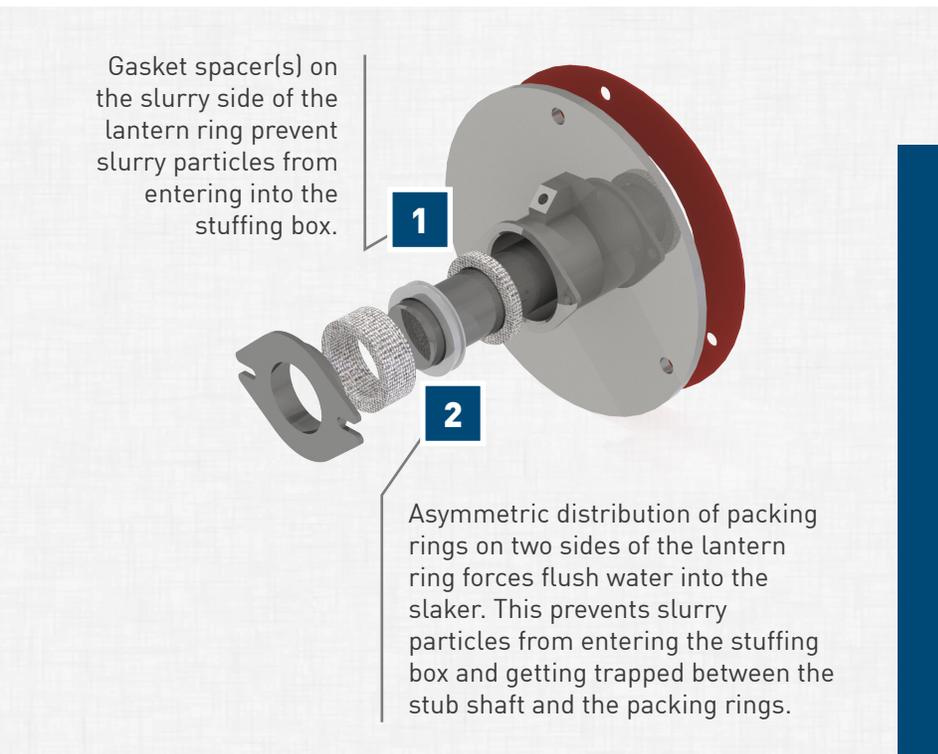


FIGURE 3 - **NEW SEAL ARRANGEMENT**



LET US HELP PROVIDE A SOLUTION FOR YOUR NEEDS.

For over 50 years, STT has been designing and installing lime slaking and bulk material handling systems. What makes STT different is our diverse experience in many applications, industries and chemicals, along with the ability to support systems from concept through to decommissioning, and everything in between. To speak with one of our experts, contact us at:

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