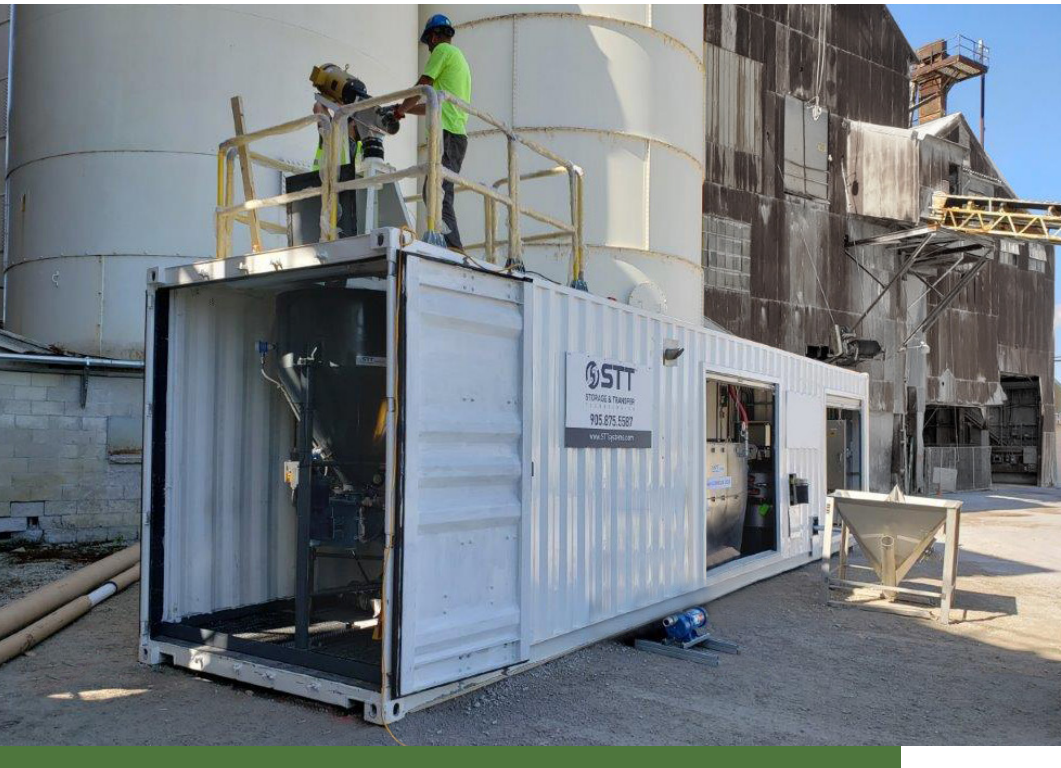


MOBILE LIME SLAKER SYSTEM



THE VERSATILE LIME SLAKING SOLUTION

The mobile lime slaker from STT is a self-contained lime slaking system that is equipped with all the necessary components needed in a turnkey solution. This lime slaking unit is a plug-and-play slaking plant, no building systems, and with its trailer capability, you can transfer it easily making it both a cost-effective and convenient way to use lime slurry no matter the job and/or location.

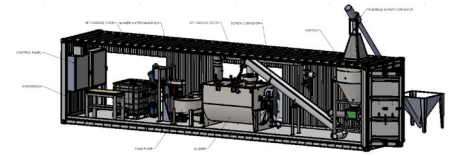
WHY USE THE MOBILE SLAKER SYSTEM FROM STT?

- Turnkey solution for lime slurry production
- Ideal for up to 2,495 dry kg/hr (5,500 dry lbs/hr) quicklime consumption
- Best in class, industry proven STT detention slaker
- Designed in a standard 40 ft container – for easy transport, safety and setup

FEATURES

BENEFITS

STT (ZMI Portec) detention slaker	Industry proven for reliability and safety
Containerized design	Portable, self-contained, easy access, safe design
Turnkey solution	Pre-installed, pre-wired, pre-commissioned for quick setup
High accuracy feeder	For tight control on lime feed from bulk bag, conveyor or silo
PLC controller and motor starters	For automatic operation with minimal operators
Dust suppression system	Keeps emissions down by reducing the steam and dust-laden air from slaking process
De-gritting system	Reduces downstream process issues by removing over-sized particles from lime slurry



SPECIFICATIONS

- **System Output:** 189 l/min (50 US GPM) lime slurry at a solid concentration of 20-25% (by weight)
- **Lime Throughput:** 590 – 2,495 kg/hr (1,300 – 5,500 lbs/hr) dry pebble or fine quicklime
- **Feeder:** volumetric screw feeder with variable frequency drive
- **Slaker:** STT (ZMI Portec design) carbon steel detention lime slaker
- **Dust Suppression System:** stainless steel wetting bowl, scrubber and draft inducer with capacity up to 6.3 m³/min (222 ft³/min)
- **De-Gritting Screen:** vibratory screen with stainless steel deck and mesh (US #16 standard)
- **Transfer Pump:** vertical slurry service pump with integral tank delivers lime slurry at 189 l/min at ~15m (50 US GPM at ~50 ft) of total discharge head
- **Electrical:** designed specifically to meet local codes at installation location
- **Requirements (not included)**
 - Potable water 325 l/min (85 US GPM)
 - 89 l/min (50 US GPM) for slaker operation, with additional capacity required for emergency quench situation
 - Electrical supply per system specifications
 - Grit removal vessel – can be wheelbarrow or small dumpster
 - Connection piping for lime slurry directly to process or storage
 - Lime feed source – 19mm (¾”) minus (reactivity dependent on CaO content)

AFTERMARKET SERVICE AND SUPPORT:

You can trust STT to keep your system running at peak performance. Through spare parts, replacement components, upgrades, automated controls, system audits or training, STT is your reliable source throughout your system's life.

OPTIONS

- Stainless steel slaker
- De-gritting screen mesh sizes
- Electrical components and approvals to meet site specific needs
- Remote monitoring assistance
- Slurry density measurement
- Loss-in-weight variable frequency drive screw feeder
- Lime feed system to meet site needs (e.g. bag breaker or conveyor from silo)
- Water supply piping materials: galvanized carbon steel, stainless steel, PVC
- Slurry delivery piping materials: galvanized carbon steel, stainless steel, PVC
- Additives package – to achieve higher solids concentration

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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