



MARKETS SERVED

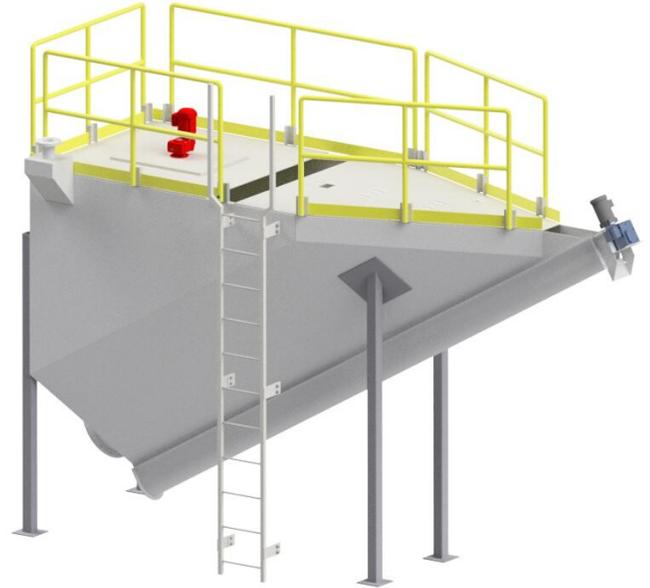
Municipal Water and Wastewater
Industrial Water and Wastewater
Air Pollution
Mining
Power

STATE-OF-THE-ART PROCESS

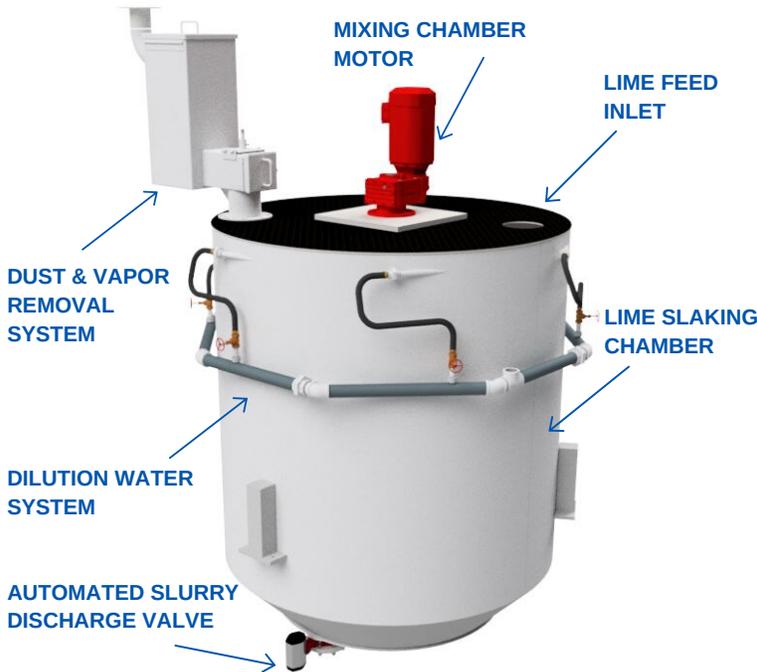
CHEMCO custom designs and fabricates every component of the batch slaking system to cater toward your process by ensuring minimal operational maintenance, with no grit pumping.



The Batch Slaking system is designed to produce high-quality hydrated lime slurry from AWWA grade pebble lime or commercially provided pulverized quicklime. Chemco developed this system not only for customers that require lower slurry dosing rates, but also to provide our clients with a dependable, quality system that requires very little maintenance. Chemco's Batch Slaking System is inherently cleaner and less maintenance intensive than a continuously operating detention slaker as pebble lime is efficiently delivered to the totally enclosed slaking chamber. This enclosed delivery method generates little to no dust, thereby almost eliminating the labor required for regular housekeeping. Maintenance is reduced even further by the self-cleaning rinse cycle that is initiated after each batch by utilizing the dilution water system shown below.



This system employs Chemo's patented temperature control operating philosophy to deliver consistent, high quality hydrated lime without the need for maintenance-reliant weighing devices. Temperature control of the slaking process has proven, over many years of experience, to be the most reliable method of ensuring consistent, small hydrated lime particle size, which greatly increases system efficiency and reduces operational and material costs. The grit separation stage of the process is engineered to remove grit from the slurry before the slurry is pumped to process. The grit separation stage prior to pumping eliminates excessive grit loop pumps and associated hardware, which significantly reduces capital costs. This practice also eliminates the wear and tear that occurs from recycling grit through the primary feed lines and pumps, further cutting down on maintenance and equipment replacement costs over time.



Each batch-slaking unit is provided with Chemco Systems controls and programming that can be readily integrated with existing controls. System parameters, such as slurry concentration, can be readily adjusted through the control panel touch screen interface, which is provided standard on all systems. The controls system is 'self-learning' such that the system will adjust future batch feed rates depending on the slaking temperature efficiency of previous cycles. Up to four batches per hour can be prepared with a Chemco Batch Slaker with the size of the slaker being determined by the customer's design specifications and the plant's lime usage.

