

S*mall*
C*ommunity*
S*ystems*



RDP Technologies, Inc.

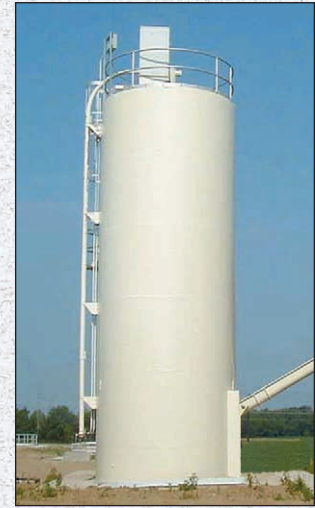
RDP Technologies, Inc. is the leader in sludge/lime stabilization systems. RDP equipment is operating from small 1 ton-per-day systems and in systems producing 140 tons per hour. Our experience as the largest sludge/lime mixer designer and manufacturer provides us the confidence to stand behind our SCS System and allows you to sign the EPA required certification statements with confidence.

The SCS System combines dewatered sludge (12% dry solids or greater) with lime and controlled heat to pasteurize the solids using RDP's EnVessel Pasteurization™ process. The SCS System is a pre-engineered modular system, designed for the small community. The system can process approximately two to three tons of dewatered sludge per hour (consult factory for specific data).

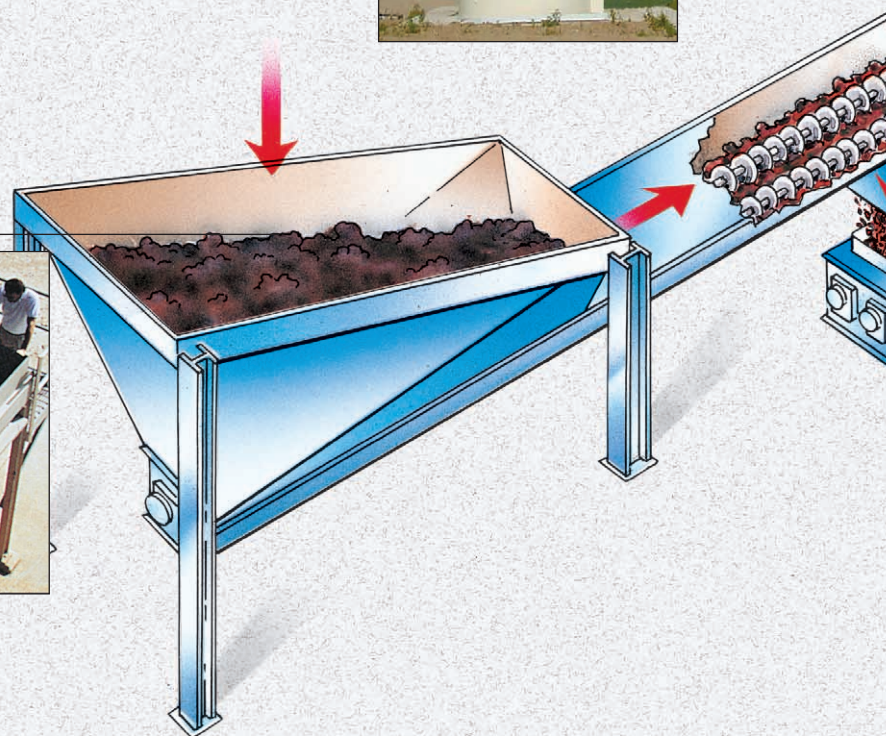
In **FOUR** ways the SCS minimizes cost for small communities.

- 1.** SCS components are produced in volume, providing a low capital-cost sludge stabilization alternative.
- 2.** Site improvement requirements are minimal.

Lime Storage Silo allows for lime to be purchased at low cost bulk quantities, eliminates the use of bags and provides an automatic steady supply of lime.



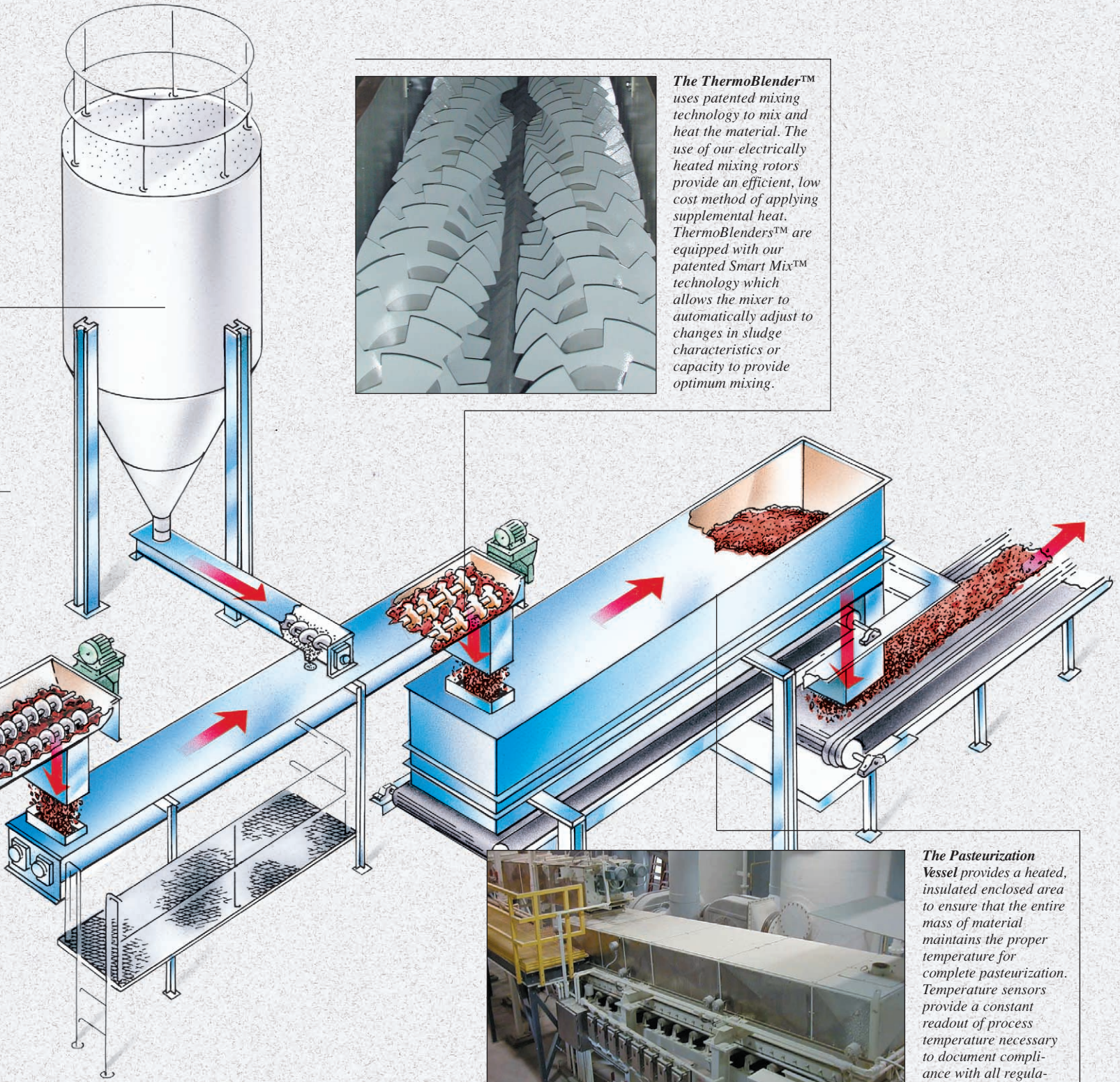
Sludge Storage and Feed Hopper receives incoming sludge and stores the sludge for processing or automatically meters the sludge into the process. Variable speed allows processing rate adjustment.



3. Best of all, once equipment is installed, operating costs are low. EnVessel Pasteurization™ operating costs are often the lowest for any available Class-A pathogen-reduction process.

4. Associated permitting and liability costs are eliminated because the end product, which can be easily sold or given away, is produced from an EPA approved process for Class-A pathogen and vector attraction reduction.

Flexibility is designed into the system. The SCS system allows you to build a system to match your specific needs. All equipment is designed to produce a Class-A pathogen-reduction product and may be modified to meet the only Class-B standards if desired.



The ThermoBlender™ uses patented mixing technology to mix and heat the material. The use of our electrically heated mixing rotors provide an efficient, low cost method of applying supplemental heat. ThermoBlenders™ are equipped with our patented Smart Mix™ technology which allows the mixer to automatically adjust to changes in sludge characteristics or capacity to provide optimum mixing.

The Pasteurization Vessel provides a heated, insulated enclosed area to ensure that the entire mass of material maintains the proper temperature for complete pasteurization. Temperature sensors provide a constant readout of process temperature necessary to document compliance with all regulations.

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All equipment includes motor starters with ON-OFF manual control. Control systems can be expanded to provide automatic operation. Computer control with data recording and report generation is also available to show compliance with all regulatory requirements.

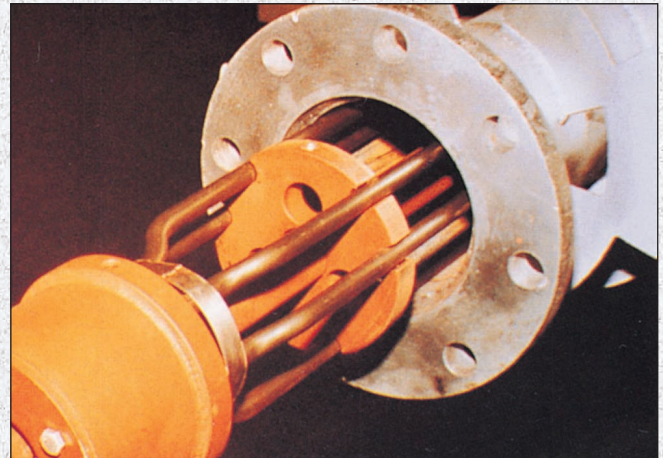
While the equipment and cost have been downsized, the features that make RDP the leader in sludge/lime stabilization have not been left out.

All systems include our patented SMART™ mixer design: the only mixer that can automatically adjust to changes in material characteristics and through-put rates. RDP sludge/lime mixers have been tested in head-to-head comparisons and have shown to be the most efficient and flexible mixer available. That explains why RDP has the leading edge in sludge/lime stabilization technology.

The SCS system also uses our specially designed internal heat tubes. By heating the rotors, heating and mixing are accomplished in a single compact unit.



The end product is an agricultural fertilizer approved by EPA for land application.



Internal heat tube assembly shown partially removed from the mixing rotor.



RDP Technologies, Inc.® *Practical Technologies... that Simply Perform*

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The equipment and process described are protected by one or more US or foreign Patents 5,013,458; 5,186,840; 5,229,011; 5,401,402; 5,346,616; 5,405,536; 5,433,844; 5,618,442; 5,554,279 and additional US and foreign patents pending.

ThermoBlender™, ThermoFeeder™, and EnVessel Pasteurization™ are trademarks of RDP Technologies, Inc.