

Clarifier Systems



Smith & Loveless Inc.



www.smithandloveless.com



Smith & Loveless Inc.

World-Class Clarifier Solutions

EXPERIENCE

- More than 65 years designing & manufacturing clarifier equipment and systems
- More than 500 installations globally



INNOVATION

- S&L has a continuous program of product research and development





Smith & Loveless Inc.

Applications and Clarifier Types

MUNICIPAL & INDUSTRIAL SYSTEMS

- Municipal sewage treatment
- Mining resource industry
- Steel manufacturing
- Pulp & paper
- Food & beverage



PERFORMANCE

WATER & WASTEWATER TREATMENT

- Primary & secondary clarification
- Turbidity reduction
- Lime softeners
- Backwash recovery
- Phosphorus removal
- Desalination applications



VALUE

Clarifier Design Options and Accessories

ACCESS BRIDGES

- Designed to Specific Structured Codes
- HDG Steel, Aluminum, Monorail Options
- Access Platform Options



SCUM REMOVAL

- Dry & Wet Beach Scum Boxes
- Automated Flushing Systems
- Spray Systems
- Scum Baffles



LAUNDER OPTIONS

- Stainless Steel Launder Options
- Adjustable Weirs
- Launder Covers
- Launder Spray Wash

PERIPHERAL DRIVE

- Units up to 60m Diameter
- Electro-Mechanical Torque Control
- Safety Plough



CENTER DRIVE



EDI WELL

- Radial Port Design
- Adjustable Outlet Design
- Proprietary Designs Available



FLOCCULATION WELL

- Metallic or Non-metallic Panels
- Scum Spray Removal Systems



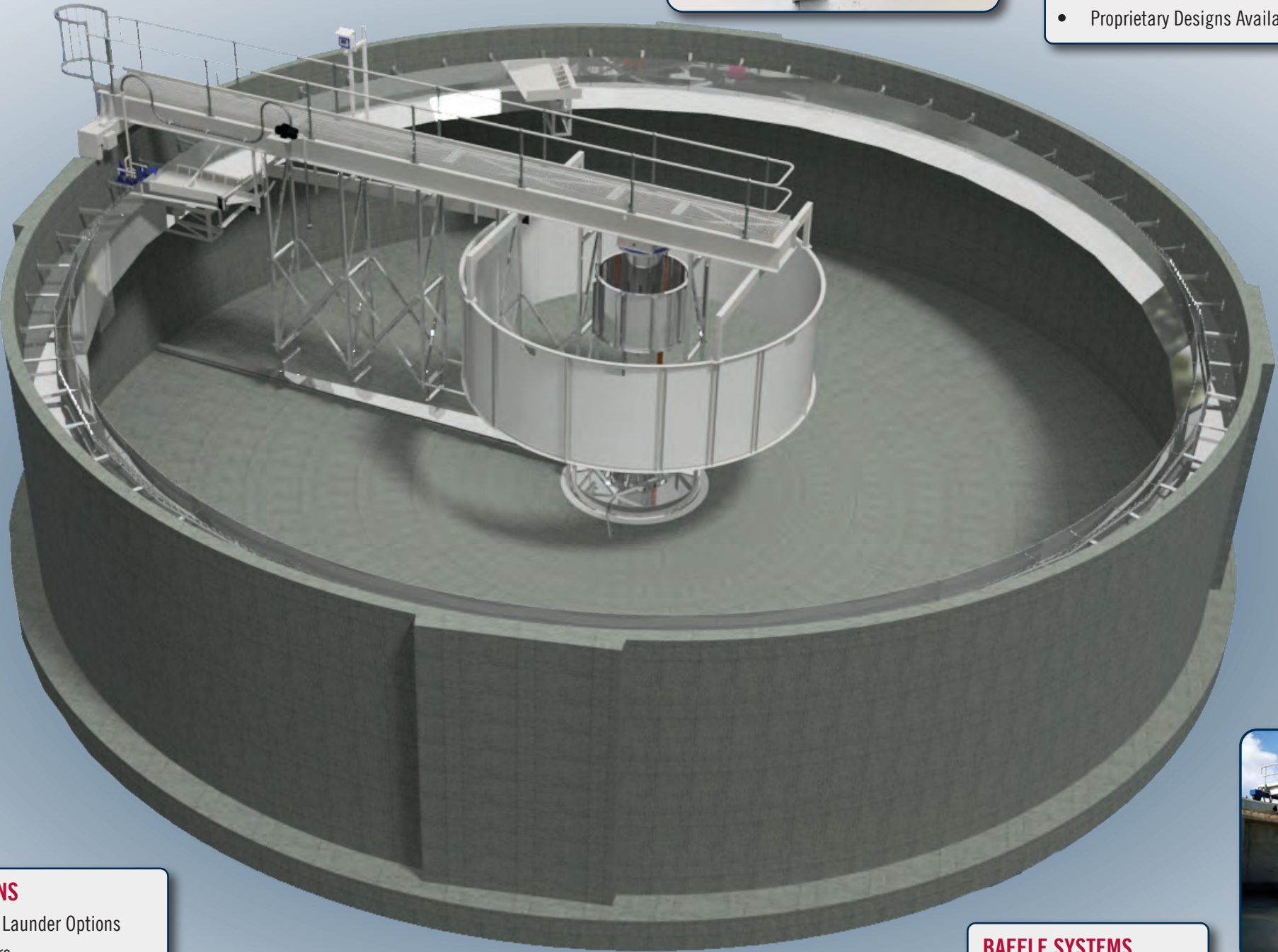
SLUDGE COLLECTOR ARMS

- Suction Arm
- Log Spiral Scrapers
- Plough Scrapers
- Suction Lift System



BAFFLE SYSTEMS

- Stamford Baffles
- Crosby Baffles



Smith & Loveless offers a comprehensive range of circular and rectangular clarifier mechanisms. True to the spirit of our organization, our cost-effective designs deliver both innovative and conventional approaches. Our scope of supply includes not only a large variety of clarifier types, sizes and configurations, but complete turnkey support and project oversight.



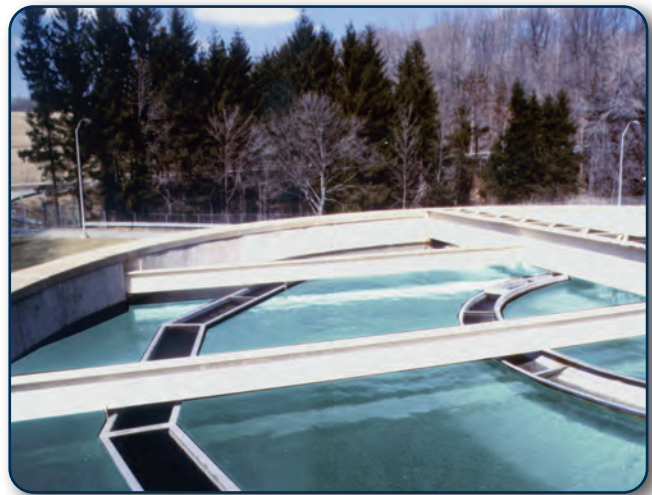
Lamella Clarifiers

- High-rate plate systems
- New or retrofit options
- 304/316 stainless steel internals
- Concrete or steel tank
- Mechanical scraper / thickness rake options
- Chemical mixing / flocculation options
- Scum removal systems
- Pneumatic plate cleaning systems



CLAR-I-VATOR®

- Solids-contact clarifier system
- Combines flash-mixing, flocculation, sludge collecting and thickening
- Concrete or steel tank
- Multiple flocculation hood sizes
- For portable water or wastewater treatment
- Lime saturators



Tube Settler

- Cost-effective modules
- New or retrofit options



Rectangular Scraper Systems

- FINNCHAIN Non-metallic sludge collectors
- FINNCHAIN scum removal





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The Choice is Clear

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Engineered Solutions for Water & Wastewater Treatment

Project Examples



Clarifier — Pulp and paper



Lamella Clarifier — Steel manufacturing



Clarifier — Municipal WWTP



Clarifier — Municipal WWTP



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