SCHLOSS™

Smith & Loveless, Inc.

Application Data	
Flow Ranges:	Up to 75 MGD (3286 lps)
Sizing:	Standard or Custom
Channel Widths:	Min. 1' (305 mm) & larger
Angle:	75° (typical)
Clear Openings:	1/4" (6 mm) & larger
Construction:	SST or CS & Other Alloys

MARK CT™

"Patent Pending"

Advancing Catenary Screening Through Superior Engineering

Catenary screen technology offers proven performance for small to large flow applications with large, bulky material. What separates the **S&L SCHLOSS™ Mark CT™** Catenary Bar Screen originates from our detailed engineering in the critical elements: exclusive chain design, superior component materials of construction, and rakes that combat problem flushables and large material.

By definition, the catenary style features less wearing parts than other kinds of bar screens because there are no lower sprockets and bearings. Combined with other **S&L SCHLOSS™** design features, the **Mark CT™** proves to be the industry's most durable.

FEATURES AND BENEFITS

- Precision **S&L SCHLOSS™** engineering & assembly
- Catenary design eliminates need for lower sprockets & bearings
- Patent-pending chain limits articulation linearly
- Heavy-Duty design provides superior durability
- Special rake designs for flushable wipes
- Maintenance easily performed at floor level
- Multiple options for enclosures & screenings

Online: smithandloveless.com • Phone: 913.888.5201 • FAX: 913.888.2173

SCHLOSS

Advanced
Headworks Technologies

Mark CT™ Catenary Screens

Mark CT™ in shop before shipment

Front-Cleaned, Coarse (Catenary) Bar Screen
Complete options for compacting / washing and enclosure, including heating and insulation

MADE IN THE USA

For project inquiries, visit
SmithandLoveless.com

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Phone: 913-888-5201
FAX: 913-888-2173

Complete Compacting / Washing / Conveying Options:
S&L SCHLOSS™ *Advanced Headworks Technologies offers the water industry one of the most comprehensive arrays of screening technologies, including complete screenings compacting and washing equipment selections: washing presses, shafted screw compactors and hydraulic ram presses. Pictured at right is a screw press serving a* ***Mark CT***™.

Mark CT™ System Diagram

Diagram Details

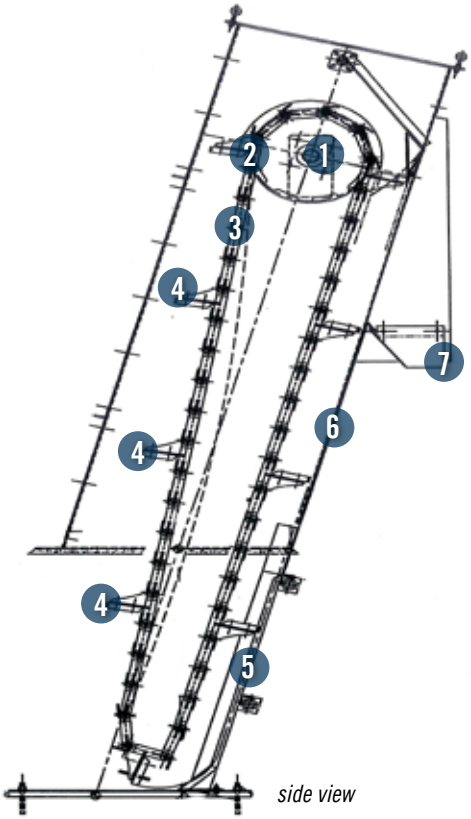
1 Motor
Face mounted to hollow shaft speed reducer, mounted on the side. VFD typically employed to extend life of chain.

2 Sprocket(s)
Only located at top as catenary design eliminates need for lower sprocket(s) resulting in less wear.

3 Chain
ANSI design, high-strength chain, heat treated and corrosion protected. *Patent-pending* link design limits articulation linearly in one direction.

4 Rakes
Connected to one or two chains, multiple rakes follow race track shaped path. Engages bottom of rack, moves & drags screenings up rack and dead plate to discharge opening. Different rake options available, including sharp teeth and sharp straight edge.

5 Bar Rack
Bars are rectangular in cross section. Multiple clear openings available from 1/4" (6 mm) and larger.



side view

6 Dead Plate
Available in various stainless steel and alloys.

7 Discharge Chute
(Optional) Complete range of compactor and conveyor options available. Can be optionally enclosed for weather protection.

8 Controls
(Not shown). Depending on application and location, NEMA 4x, NEMA 7, NEMA 12, IP55 and IP65 panels are available.