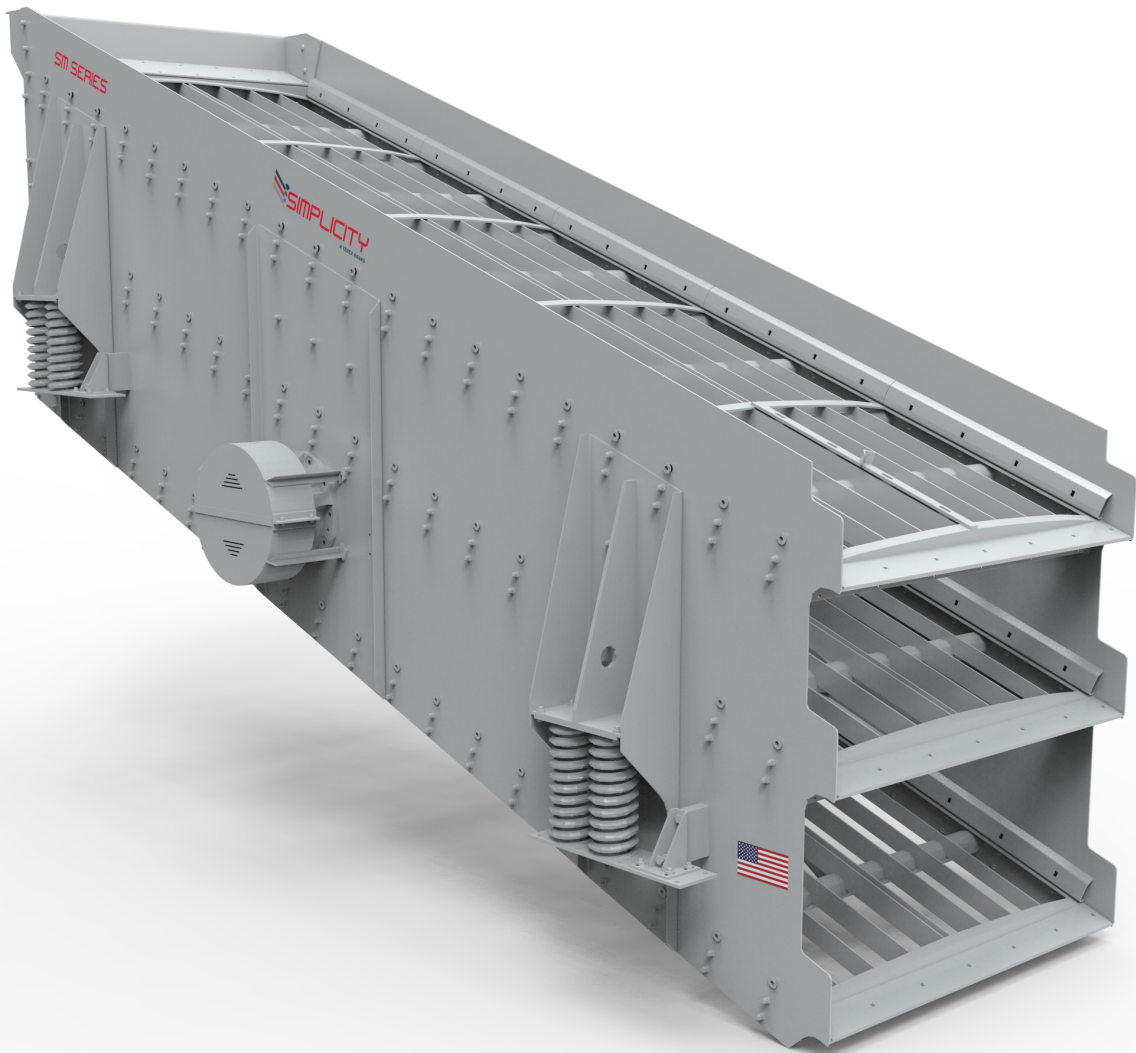




Single Mechanism Incline Screens SM Series



A world working better™

 **TEREX** MPS

Simplicity[®] Incline Screens SM Series

The screen plays a critical role in your plant's production and your profitability. The Simplicity[®] SM Series is a single shaft, two-bearing inclined screen designed for heavy-duty scalping, intermediate sizing or finished screening of virtually any material. And it delivers!

The two bearing screen offering has a wide variety of models, sizes and deck styles to accommodate virtually any application. Sizes range from 3' x 6' (914mm x 1828mm) to 8' x 20' (2438mm x 6096mm) in one, two, three and four-deck units. Custom configurations are also available.

SM Series Advantages

- Engineered to meet the stressful demands and high production requirements for a variety of industries
- Computer aided designs ensure maximum strength and longevity for years of operation
- Screen parameters such as stroke and speed can be tailored to optimize screening in any application, helping meet large production demands
- Production capabilities from small tonnage operations to the largest production demands
- Custom engineer a screen that fits your application by working with our sales and engineering teams: A machine designed to meet your specifications means minimal fabrication required on your existing infrastructure. Reduce cost and save time while upgrading your current screen or expanding your operations.

Feed boxes are designed with bolt-in replaceable abrasion resistant liners to reduce impact and wear.

A variety of deck designs to accommodate your application: single crown, double crown, flat channel construction for urethane media or perforated plate style media, scalper decks with grizzly bars or finger tines

Side plates are fabricated without any welding, protecting the integrity of the metal and reducing the chance of cracking resulting in a longer life.

Spherical washer arrangement allows for secure screen cloth tensioning and eliminates welding weldments on side plates to reduce the risk of fatigue and cracking.

Bolt-on removable spring base plates allow for quick spring changes without the need to substantially raise the screen.

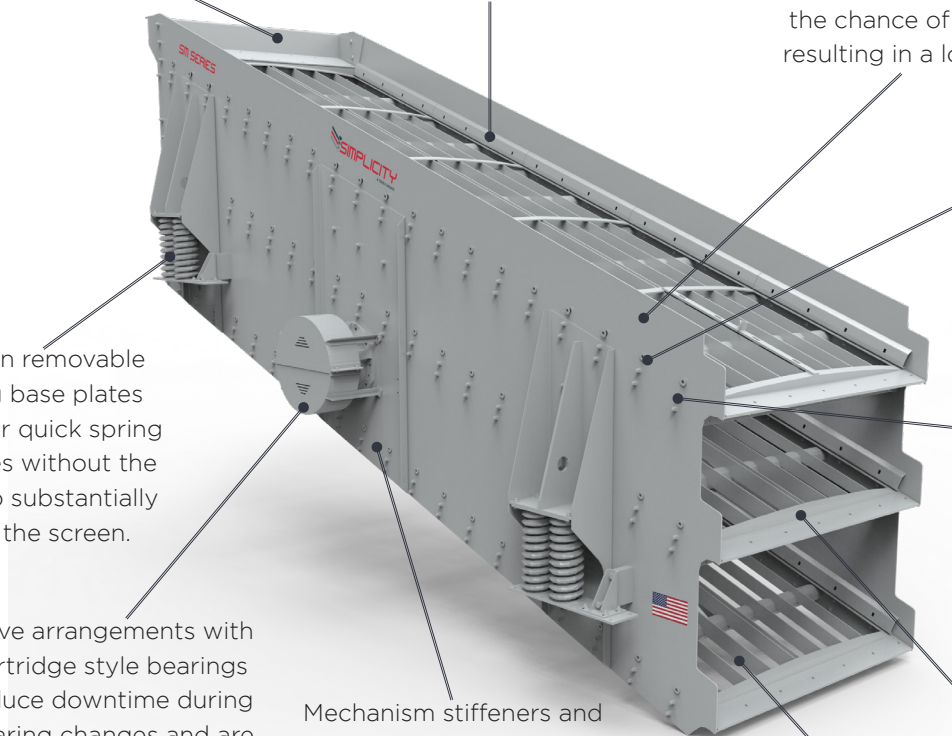
Huck[®] bolt construction is extremely resistant to heavy vibration, corrosion resistant and provides a permanent high strength connection between surfaces.

Drive arrangements with cartridge style bearings reduce downtime during bearing changes and are engineered for maximum bearing life.

Mechanism stiffeners and Corner support braces double the thickness of the unit improving strength and rigidity of the screen for smooth operation and longer life.

Discharge lips have replaceable abrasion resistant bolt-in liners.

Optimized space between decks allow for easier interior access for quicker media changes or inspections.

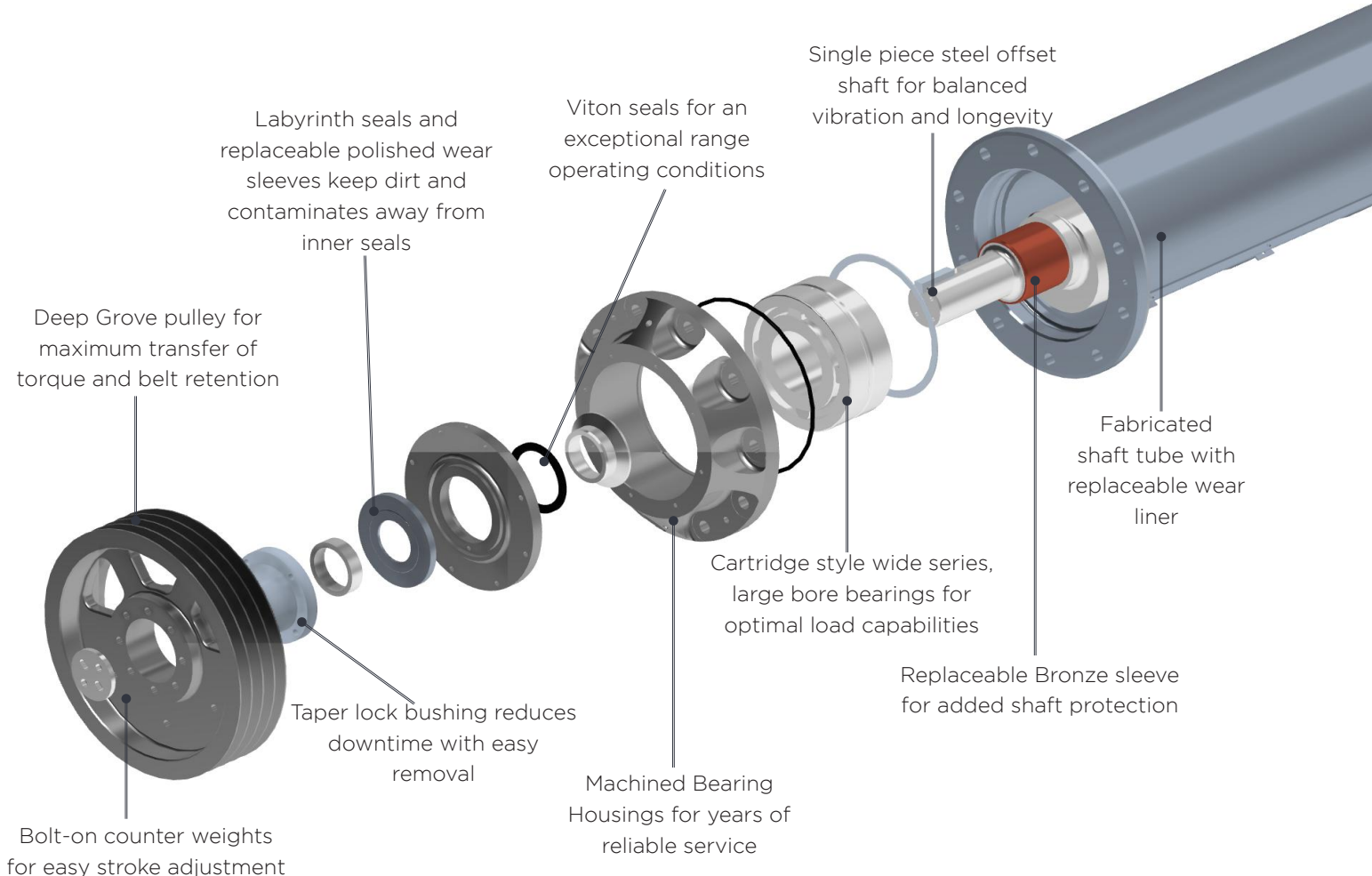


Standard Features

- Heavy-duty single mechanism, 2-bearing design
- 20 degree screen slope
- Side tension single crown decks (sizes 3x6 to 6x20)
- Side tension double crown decks (sizes 7x14 to 8x20)
- Spherical washer design eliminates sidewall welds
- Huck-bolted screen box construction (no welds)
- 12" (305 mm) feed box (sizes 3x6 to 6x20)
- 18" (457 mm) feed box (sizes 7x14 to 8x20)
- Replaceable 3/8" (9.5 mm) thick AR liner in feed box
- 6" (152 mm) discharge lips with replaceable 3/8" (9.5 mm) thick AR liners
- Hinged feed end enclosures for easy screen cloth access on lower decks
- Removable spring seats
- Coil springs with protective spring covers
- Right-hand or left-hand drive vibrator unit
- Oil lubricated spherical roller bearings
- Screen sheaves, motor sheaves, bushings and V-belts
- Independently mounted pivot-type motor bases
- Belt guards and flywheel guards
- Friction checks (sizes 5x12 to 8x20)
- Rubber shaft housing covers (sizes 4x12 to 8x20)
- 4' (1219 mm) long screen cloth clamp bars
- Extra deck clearance for all models

Optional Equipment

- Electric motor (1500 or 1800 rpm)
- Additional slope options
- Wedge take-ups
- Wear protection for deck cross members
- AR tube shields
- I-beam main frame with motor base support
- Rubber springs
- Recirculating oil lubrication systems, water or air cooled
- Grease lubrication
- Side plate liners
- Take-up rail liners
- 1, 2, 3, or 4-deck configurations
- Side tension single crown decks (sizes 7x14 to 8x20)
- End tension decks
- Center split decks
- Ball tray decks
- Urethane
- Scalper
- Dust enclosures
- Spray systems
- Steel caps on crown bars for hot asphalt applications
- TOPS2.0 Terex Oil Purification System





1, 2 and 3-deck screens listed below. 4-deck screens and custom configurations upon request.

Size (mm)	Decks	HP (kW)	Weight lb (kg)
5' x 12' (1524 x 3658)	1	7.5 (5.5)	6,500 (2950)
5' x 12' (1524 x 3658)	2	10 (7.5)	8,000 (3630)
5' x 12' (1524 x 3658)	3	15 (11)	12,500 (5670)
5' x 14' (1524 x 4267)	1	7.5 (5.5)	7,400 (3360)
5' x 14' (1524 x 4267)	2	7.5 (5.5)	8,700 (3950)
5' x 14' (1524 x 4267)	3	15 (11)	14,000 (6350)
5' x 16' (1524 x 4877)	1	7.5 (5.5)	8,200 (3720)
5' x 16' (1524 x 4877)	2	15 (11)	9,700 (4400)
5' x 16' (1524 x 4877)	3	20 (15)	15,000 (6805)
6' x 16' (1829 x 4877)	1	15 (11)	9,240 (4195)
6' x 16' (1829 x 4877)	2	15 (11)	11,900 (5400)
6' x 16' (1829 x 4877)	3	25 (19)	16,500 (7485)
6' x 20' (1829 x 6096)	1	15 (11)	11,660 (5290)
6' x 20' (1829 x 6096)	2	25 (19)	16,500 (7485)
6' x 20' (1829 x 6096)	3	30 (22)	20,600 (9345)
7' x 20' (2134 x 6096)	1	20 (15)	18,100 (8210)
7' x 20' (2134 x 6096)	2	30 (22)	19,800 (8985)
7' x 20' (2134 x 6096)	3	See 7 x 20 DM	
8' x 20' (2438 x 6096)	1	25 (19)	18,500 (8395)
8' x 20' (2438 x 6096)	2	30 (22)	26,000 (11795)
8' x 20' (2438 x 6096)	3	See 8 x 20 DM	

Weights are for estimate purposes only. Consult Factory for weights.

Screen width	Deck Crown	Outside Screen Cloth Dimensions
2'	Single Crown	25"
3'	Single Crown	37"
4'	Single Crown	49"
5'	Single Crown	61"
6'	Single Crown	72-3/4"
7'	Double Crown	84-3/4"
8'	Double Crown	96-3/4"

For use in wet applications, see below.

Screen width	Spray bars	
	Pipe diameter	Nozzles per bar
3'	1-1/2"	5
4'	1-1/2"	7
5'	1-1/2"	8
6'	1-1/2"	10
7'	2-1/2"	12
8'	2-1/2"	14

Capacity per Nozzle (based on 40 PSI to the Manifold)	
Water pressure (PSI)	1/2" orifice diameter
20 lbs	14.1 GPM
30 lbs	17.3 GPM
40 lbs	20 GPM

www.terexmps.com

Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment.

Failure to follow the appropriate Operator's Manual when using our equipment or failure to act responsibly may result in serious injury or death.

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