Simplicity®
Vibrating Equipment
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Welcome to the World of Simplicity®

Since 1921, Simplicity has provided vibrating equipment into virtually every industry requiring the separation of materials into various sizes. With a strong legacy of providing the highest quality equipment, we are proud to be the preferred brand for applications ranging from rock quarries to mines and from industrial minerals to food applications.

We are problem solvers, retro-fitters, solution providers and creative thinkers. We continue to build upon a foundation of experience spanning nearly 100 years, while engineering the leading edge of vibratory products of the future. We are dedicated to ensuring that our equipment is the best available on the market and we back that up with trusted service and support throughout the life of your equipment.

From standard to extremely custom, we have equipment to fit your application:

- Retro-fit nearly every competitive unit for drop in replacements
- Creative designs built for your unique application
- Scalping, sizing and finishing applications engineered specifically to your project
- Modern, state-of-the-art manufacturing and engineering standards
- Solution based approach to optimize production, reduce downtime and maximize the life of your unit
- 1000s of units in operation across the globe
Single Mechanism Incline Screens
SM Series

The screen is critical to your plant production and your profitability. The Simplicity® SM Series is a single shaft, two-bearing inclined screen designed for heavy-duty scalping, intermediate sizing as well as finished screening of virtually any material. And it delivers.

The two bearing 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 24’ (2438mm x 6096mm) in one, two, three and four-deck units. Custom Configurations also available.

Single-piece, continuously welded decks are HuckBolts® fastened to extra-deep corner supports, and rugged steel side plates for a box-type structural strength that is highly resistant to cracking.

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
- Nearly an infinite number of custom modifications to match your specific needs
- Retrofit-able to replace competitors units with little to no fabrication needed
- Production capabilities from small tonnage operations to the largest production demands
Dual Mechanism Incline Screens
DM Series

Our twin shafted dual mechanism inclined screens deliver the rugged reliability for those heavy jobs. The dual mechanism is an alternative to the single shaft mechanism, but optimized to provide maximum bearing life, heavy material surges and minimum downtime.

This tough design extends bearing life in heavy-duty applications and handles increased speeds in fine screening applications.

DM screens are available in 2, 3 and 4 deck models in sizes available up to 8’ x 24’ (2438mm x 7315mm).

DM Series Advantages

- Designed for the most severe and demanding applications with heavy duty construction
- Twin shafts with built in versatility to ensure optimum performance and longevity
- Numerous modifications available to ensure a smooth installation and ease of maintenance
- Engineered specific to your scalping, sizing or finishing application with proven reliability
- Modified deck designs available including grizzly bars, finger tines and other specialized media
Four Bearing Incline Screens
FB Series

The Simplicity® four-bearing gyrating screen is the original mechanically vibrated screen using a counterbalanced eccentric shaft. The shaft is accurately machined to provide an exact counter-balance for the weight with the entire frame and deck structure, building in positive action with perfect smoothness.

They can be mounted by supporting the main frame from below, or suspending it by rods or cables attached to the plant superstructure.

With either type of mounting, the positive action of the counter-balanced shaft will maintain full effectiveness - and minimize transfer of vibration to the supporting structure.

FB Series Advantages

• Positive stroke operation is designed to handle heavy surge loads with ease
• Available in a variety of inclinations to suit your application or structural limitations
• Proven reliability to perform demanding applications with minimal maintenance
• Smooth start up, operation and shut down reduce stress and vibration to existing structures
• Modifications available for a variety of applications with stroke and speed variations to ensure optimal performance
Fine Materials Incline Screens

FM Series

Designed for stationery and portable plants, the FM Series has high capacity adjustable stroke vibrating motors, independent rotary tension system with a unique patent pending cushioned tensioning bars.

The flexibility of the FM Series ensures that it can work in a variety of applications such as reducing fines (de-dusting), chip sizing, dry manufactured sand, Fine industrial products and RAP fractioning.

FM Series Advantages

- High vibration frequency breaks surface tension of fine materials.
- Static frame, no suspensions, connect direct to structure
- No drive belts or drive assemblies
- Low energy requirements (1.8 hp vibrator motors)
- High capacity fine material screening, handle high flow rates
- End-tension screen cloth = no crown bar channeling
- High speed vibration flexes screen media to break up blinding (material sticking to screen cloth)

FM Series are available in the following versions:-

<table>
<thead>
<tr>
<th>Screen Model</th>
<th>Screen Box Size</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM1612</td>
<td>6’ x 12’</td>
<td>1</td>
</tr>
<tr>
<td>FM 2612</td>
<td>6’ x 12’</td>
<td>2</td>
</tr>
<tr>
<td>FM1618</td>
<td>6’ x 18’</td>
<td>1</td>
</tr>
<tr>
<td>FM2618-S</td>
<td>6’ x 18’</td>
<td>2 deck (3) 6’ top deck &amp; (2) 6’ bottom deck sections</td>
</tr>
<tr>
<td>FM2618-6</td>
<td>6’ x 18’</td>
<td>2 deck (3) 6’ top &amp; bottom deck sections</td>
</tr>
</tbody>
</table>

Also available as Modular & Portable
Elliptical Stroke Horizontal Screen
ES Series

The revolutionary ES Series increases production and handles applications not possible with traditional horizontal screens because it combines the efficient, high g-force El-Jay™ oval stroke motion with variable slope operation to handle larger deck loads. The new design also features more steel in the “rock zone” for industry leading durability. The screen has multiple new patent-pending features to boost production. The screen adjusts up to 10° in 2.5° increments to best fit the application and optional bottom deck deflector plates increase efficiency.

The ES Series with its variable slope operation gives customers a product that handles more applications than other screens on the market. The increased capabilities, higher production, enhanced durability and ease of maintenance of the ES series make it an industry leader.

ES Series Advantages
- More steel in “rock zone” for industry leading durability; 5/16” (8 mm)
- Rugged computer-optimized decks with full-length bracing
- High G-force, high efficiency El-Jay® oval stroke motion adjusts 3-ways to optimize performance
- Patented “flow-through” lubrication system and “sealed-for-life” double O-ring assembly extend equipment life
Overhead Driven Horizontal Screens
OH Series

Designed for stationary and portable plants where load height and travel height need to be held to a minimum, our Overhead Drive horizontal screens are used in a variety of applications and work particularly well for intermediate sizing and finish screening. OH Series horizontal screens are available in a wide variety of sizes and deck styles to accommodate virtually any application. Sizes ranging from 4’ x 8’ to 8’ x 20’ with multiple deck configurations including single, double and triple decks.

OH Series Advantages
- Rigid construction throughout the unit to ensure years of reliable performance
- Easy access to drive arrangement improves ease of maintenance and allows for quick bearing replacements
- Aggressive linear stroke reduces plugging and blinding
- Wide array of custom options to suit operations from scalping to finishing
- Drive arrangement can be removed for quick change-outs and minimum downtime for applications that require maximum uptime
Standard Incline Screens
SI Series

The SI (Standard Inclined) Series screens are intelligently engineered with common footprints and wide spacing between decks, allowing for easy access and quick media changes. Built with a robust drive mechanism and oversized bearings, these units can handle large tonnages and a wide variety of applications. Utilized as wet or dry screens, these units have adjustable stroke and speed combinations to fit your specific application.

Constructed to optimize uptime and reduce maintenance, these units are engineered with quick change spring base plates, hand access holes above each deck and cartridge style bearings with grease or oil lubrication.

SI Series Advantages:
- Designed for both wet and dry applications
- Oil and grease lubricated designs suit a variety of applications
- Designed to allow for quick stroke adjustments to fine tune your application
- Robust design with HuckBolts® construction for outstanding reliability and strength
- Decks constructed to accommodate a wide variety of media

<table>
<thead>
<tr>
<th>Screen Model</th>
<th>Screen Box Size</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI6202</td>
<td>6’ x 20’</td>
<td>2 deck</td>
</tr>
<tr>
<td>SI6203</td>
<td>6’ x 20’</td>
<td>3 deck</td>
</tr>
<tr>
<td>SI8202</td>
<td>8’ x 20’</td>
<td>2 deck</td>
</tr>
<tr>
<td>SI8203</td>
<td>8’ x 20’</td>
<td>3 deck</td>
</tr>
</tbody>
</table>

Also available as Modular Platform
Vibrating Grizzly Feeder
GF Series

The Simplicity® range features a heavy duty pan section followed by grizzly bars designed for your application. The feeder performs both scalping and feeding in a single unit and is designed for impact loading and heavy burdens in the toughest applications.

Standard grizzly feeder sizes range from 39” x 10’ (990mm x 3048mm) to 86” x 30’ (2184mm x 9144mm). The grizzly feeder reduces maintenance and capital costs by scalping only large material to your crusher or rip rap pile, while fines pass through the grizzlies to be screened or discarded.

Simplicity® GF Series units can be customized for your specific needs with a wide range of options.

GF Series Advantages

• Severe Duty construction with the toughest impact resistance in the industry
• Scalping options from standard grizzly bars to custom tines with sloped and step decks for maximum material movement
• Increased component life with heavy coil spring support system and powerful oscillating twin shaft assembly
• 5 different design configurations available for a variety of applications
• Customizable options and inclinations to meet strict demands, footprints or difficult material characteristics
Vibrating Pan Feeder
PF Series

The Simplicity® range of heavy duty pan feeders perform by feeding in a single unit. They are designed for impact loading and heavy burdens in the toughest of applications. Simplicity® pan feeder units can be customized for your specific needs with a wide range of options.

PF Series Advantages:
• Designed with similar features to our GF Series range, these feeders handle the toughest loads in the market.
• Full length pan with robust egg-crate design withstands most anything you throw at them.
• Various widths and lengths available as well as custom sized units to fit your envelope.
• Powerful oscillating shaft design moves material efficiently and effectively.
Vibrating Pan Feeder
VM Series

The Simplicity® Low Profile Vibratory Motor Pan Feeders have been specifically designed for continuous operation under the harshest conditions. The Simplicity VM range provides durable, reliable, low maintenance machines for the mining, aggregates, demolition and recycling, industrial minerals, and agriculture and food industries.

Simplicity® Vibratory Motor Pan Feeders can be customized for your specific needs with a wide range of options.

<table>
<thead>
<tr>
<th>Feeder Model</th>
<th>Feeder Size W BL</th>
<th>Capacity * TPH</th>
<th>Motors</th>
<th>Stroke and Speed</th>
<th>Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>VM2472</td>
<td>24” x 72” (610mm x 1829mm)</td>
<td>330 (300)</td>
<td>Twin 2.41 HP 8 Poles, 406 in-lbs</td>
<td>2150</td>
<td></td>
</tr>
<tr>
<td>VM3672</td>
<td>36” x 72” (914mm x 1829mm)</td>
<td>495 (449)</td>
<td>Twin 2.41 HP 8 Poles, 406 in-lbs</td>
<td>2475</td>
<td></td>
</tr>
<tr>
<td>VM3696</td>
<td>36” x 96” (914mm x 2438mm)</td>
<td>495 (449)</td>
<td>Twin 3.08 HP 8 Poles, 590 in-lbs</td>
<td>3125</td>
<td></td>
</tr>
<tr>
<td>VM4896</td>
<td>48” x 96” (1219mm x 2438mm)</td>
<td>660 (600)</td>
<td>Twin 3.08 HP 8 Poles, 590 in-lbs</td>
<td>3175</td>
<td></td>
</tr>
<tr>
<td>VM48120</td>
<td>48” x 120” (1219mm x 3048mm)</td>
<td>660 (600)</td>
<td>Twin 4.02 HP 8 Poles, 728 in-lbs</td>
<td>4725</td>
<td></td>
</tr>
<tr>
<td>VM60120</td>
<td>60” x 120” (1524mm x 3048mm)</td>
<td>825 (748)</td>
<td>Twin 5.77HP 8 Poles, 1011 in-lbs</td>
<td>5600</td>
<td></td>
</tr>
</tbody>
</table>

*Capacity based maximum stroke setting of 3/8” (10mm) 900 rpm operating speed, 8 degree standard slope, 5” bed depth, low moisture sand weighing 100lbs per cubic foot. Capacities and factors listed based on properly designed hopper and skirts.

VM Series Advantages
- Wide range of custom widths and lengths available
- Replaceable liners for added longevity
- Side-mounted motors for easy adjustment changes and reduced maintenance
- Can be mounted from coil spring arrangement or cable suspended
- 8 degree standard inclination, or designed to suit your application
- Aggressive stroke can be easily adjusted to accommodate your production needs
- Low maintenance motors maximize uptime and reduce lubrication intervals
Fine Materials Screen Plant
TX618HF

The Simplicity® TX618HF plant incorporates a high frequency screen for fine material, de-dusting applications. The plant features a 6'x18' high frequency incline screen and a 36” wide 10hp feed conveyor on an all-electric plant with adjustable speed up to 4200 cpm.

The plant incorporates industry leading safety and convenience. The Patent Pending overhead conveyor maintenance strut and telescoping support leg provides over 12” clearance on top deck below feed conveyor when screen lowered to horizontal position. Remote grease lines provide easy & safe maintenance of feed conveyor bearings. Self-aligning distribution plate maintains proper feed onto screen without need to climb onto screen and adjust distribution plate.

TX618HF Advantages
- Simple sliding screen support leg allows (5) operation positions from 35º to 45º in 2.5º increments
- Hinged service platform is level when screen is lowered
- Self-aligning feed distribution plate requiring no adjustments to change slope
- Conveyor support telescopes when screen lowered for maintenance
- Pinned sliding support leg
- Rubber booted discharge chutes
- Dual - Top deck flop gates
- CCM Automatic control panel with 3 x 25hp off plant motor controls included
Wash Plant
TXW Series

For portable screening with a complete spray system, look no further than the Simplicity range of portable wash plants. The screens are complemented by single or twin dewatering screws and fitted with strategically placed nozzles for material scrubbing. High capacity dewatering screws deliver the fine aggregates while chutes and cross conveyors deliver the sized products.

<table>
<thead>
<tr>
<th>Screen Model</th>
<th>Screen Box Size</th>
<th>Screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>TXW516S</td>
<td>5‘ x 16’</td>
<td>single</td>
</tr>
<tr>
<td>TXW616T</td>
<td>6‘ x 16’</td>
<td>twin</td>
</tr>
<tr>
<td>TXW620HT</td>
<td>6‘ x 20’</td>
<td>twin</td>
</tr>
</tbody>
</table>

TXW Series Advantages
- Built using our proven Simplicity screen range of products for reliable production
- Available in Incline and Horizontal configurations to best support your operation
- Single and Twin screw plants available to meet production requirements.
- Designed with portability in mind, easy on/off landing jacks help reduce set up time
- Spray system can be adjusted to suit needs with spray bars located on all decks
- Chassis features heavy duty I-beam construction for improved stability
Rip Rap Plant
TXR5624

The Simplicity rip rap plant offers unsurpassed quality and construction in a self-contained portable design for the toughest high production screening and scalping applications. The TXR5624 rip rap plant sets the industry standard for even the most severe applications with a wide 56" wide by 24' long Simplicity vibrating grizzly feeder, optimized for severe duty operation. With two adjustable grizzly sections mounted in a step deck configuration, the unit can be configured to perform a wide variety of material separations. Heavy duty bars and liners ensure years of operation and minimal maintenance. Tall side walls in the hopper and guarded shrouds ensure maximum capacity for protection from damage. On-Plant Tier 4 generator allows for added starters to operate additional product conveyors for smooth operation and is available with an electric only option. Reversible cross conveyor and reversible heavy duty discharge chute are a standard configuration allowing you to set up the plant according to your particular layout.

TXR5624 Advantages
• Diesel or electric driven self-contained plant
• Heavy duty chassis and feeder
• High mobility with foldable 5th wheel hitch and three axle design
• Adjustable grizzly bars for variety of applications
• Tier 4 compliant
• Properly guarded for added protection
Modular High Frequency Screen
MHFS2618

The MHFS2618 features the Simplicity® FM Series two deck incline screen, specially engineered for fines material screening. With easy adjust variable slope and a bolt together, easy to build modular structure, the MHFS2618 can be up and running quickly and efficiently.

MHFS2618 Advantages
- FM2618 6’ x 18’ (1829 x 5486 mm) two-deck screen
- Easy-adjust variable slope operation, 38° to 43°
- Bolts together on site, quick set-up time with basic tools
- Pre-wired “plug and play” design, minimal on-site wiring
- Complete user-friendly starter panel
- Galvanized steel structure including walkways, steps and guard rails
- Repositionable access stair locations
- Transports easily in a 40’ (12,192 mm) shipping container and is systematically packed for quick site set up
Modular Standard Incline Screen
MSI620

Our Modular range of equipment is pre-engineered and designed to suit a variety of applications. Available in wet or dry screening configurations, the incline MSI620 can be commissioned in minimal time and configured to fit your needs. Modular units can expand your current operation or replace older structures and renew your layout. With the ability to expand and complement other Terex modular products, these units make a great alternative to other expensive, custom designed options.

MSI620 Advantages
• Incline screen with 20 deg setting and single crown decks
• Modular structure bolts together on site, quick set-up time with basic tools
• 4-section (25%) blending gate system for top and center decks and 2-section (25%) blending gates for bottom deck
• Systematically packed in shipping containers for quick site setup and easy transport
• Wet or dry options available for application versatility

MHS6203 and MHS8203 horizontal screen module configurations also available.
Simplicity® Services

Proven Success, Global Reach
A complete range of services. Original spare and wear parts. Customizable solutions to meet your exact needs. Outstanding technical expertise and support.
This is what Simplicity® delivers to businesses – and what it delivers to businesses throughout the world via our global distribution network, service and distribution facilities and regional warehouses.

Field Services
We offer a comprehensive set of field services to meet your maintenance, repair and refurbishment needs – which means you get a cost-effective alternative to purchasing new or replacement equipment.
Our experienced field service and distribution network are available to you on site or at our global service facilities. We can repair broken or damaged equipment to like-new condition and restore worn or irreplaceable equipment to perfect operating condition – which minimizes costly downtime for you.

Spare and Wear Part Support
Our OEM parts help maintain and enhance the performance of your equipment – and you can count on us to get you the spare and wear parts you need, when you need them.
Simplicity® parts are manufactured according to exacting specifications, using high-quality materials, tools and techniques. By using genuine parts you are helping to ensure the maximum performance and longevity of your machines.

Terex® Financial Services
At Simplicity® we not only offer a strong and broad product portfolio. We also offer the means for customers to purchase the equipment they need in order to meet their operational and profitability goals.
Terex® Financial Services (TFS) is a globally trusted resource that is able to leverage its knowledge of Terex® equipment plus its marketplace expertise to provide a unique tailored solution for customers.

A Shared Focus
We understand your key focus is delivering your operational and financial goals. We share that focus: it’s how we both measure success.
By combining our global service network and proven, in-depth industry knowledge with your operational expertise we’re able to provide you with the right solution to deliver a quality end product – with increased productivity.

Combining our global service network and deep industry knowledge with your operational expertise ensures that we provide the best solutions...