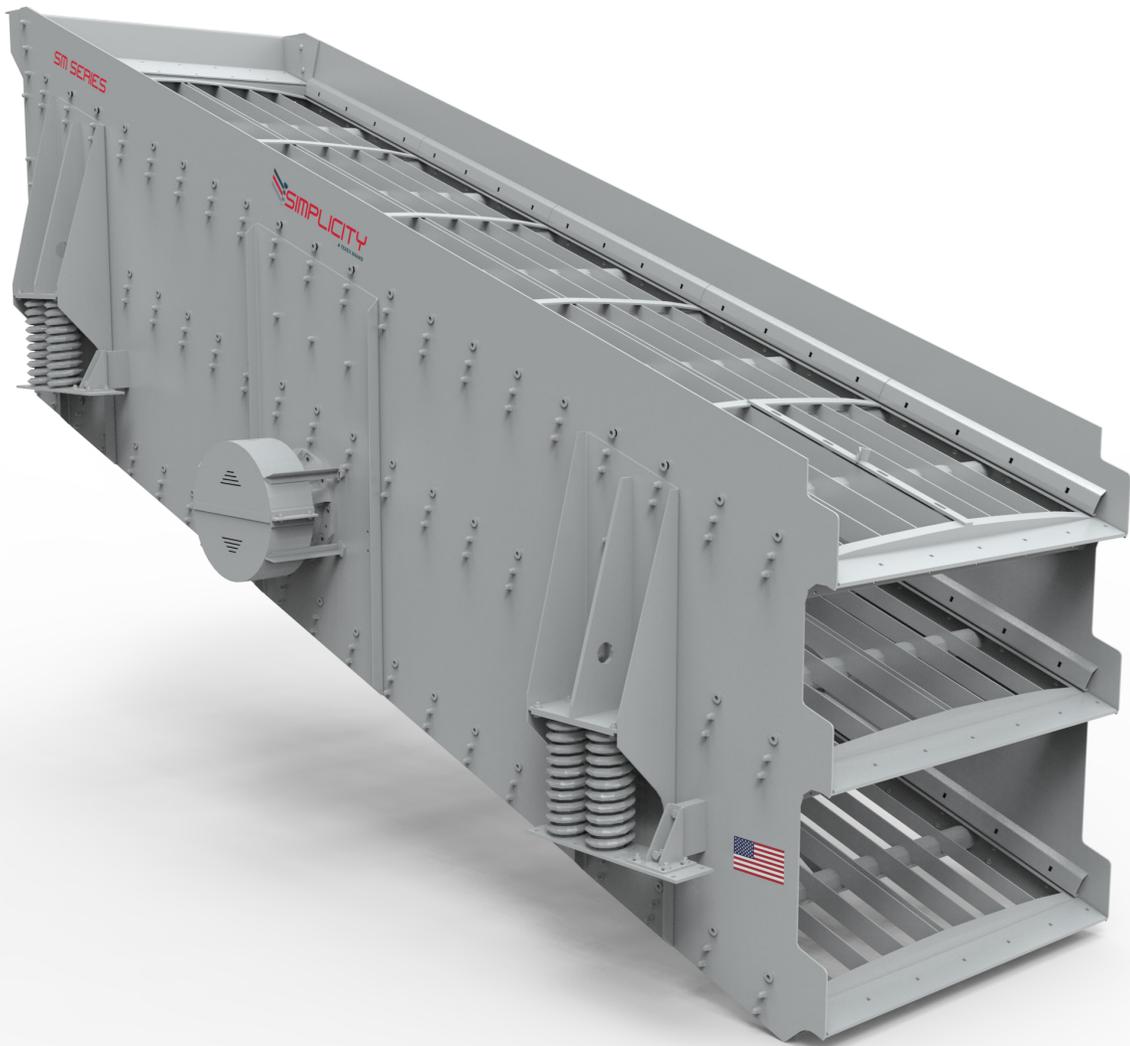




# Simplicity<sup>®</sup> Vibrating Equipment



A world working better<sup>™</sup>

 **TEREX**.MPS

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## Simplicity®

Flexible.  
Innovative.  
Built to Last.

### 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, 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.

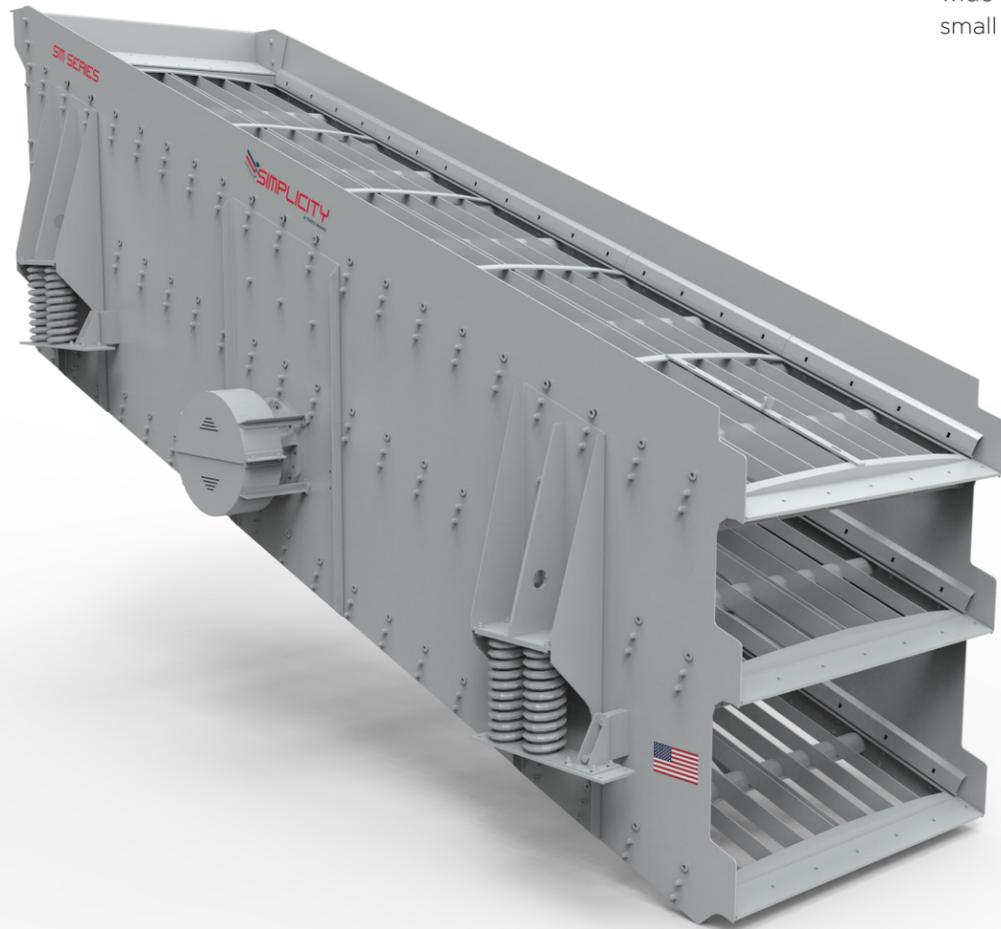
The two bearing offering has a wide variety of models, sizes and deck styles to accommodate virtually any application. Sizes range from 3' x 6' (914mm x 1828mm) to 8' x 20' (2438mm x 6096mm) in one, two, three and four-deck units.

Modified deck designs including grizzly bars, finger tines and other specialized media are available. Furthermore, various custom configurations are available to accommodate an assortment of media types.

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 minimal modification requirements
- Production capabilities support a wide range of applications, from small to large tonnage operations



## Dual Mechanism Incline Screens DM Series

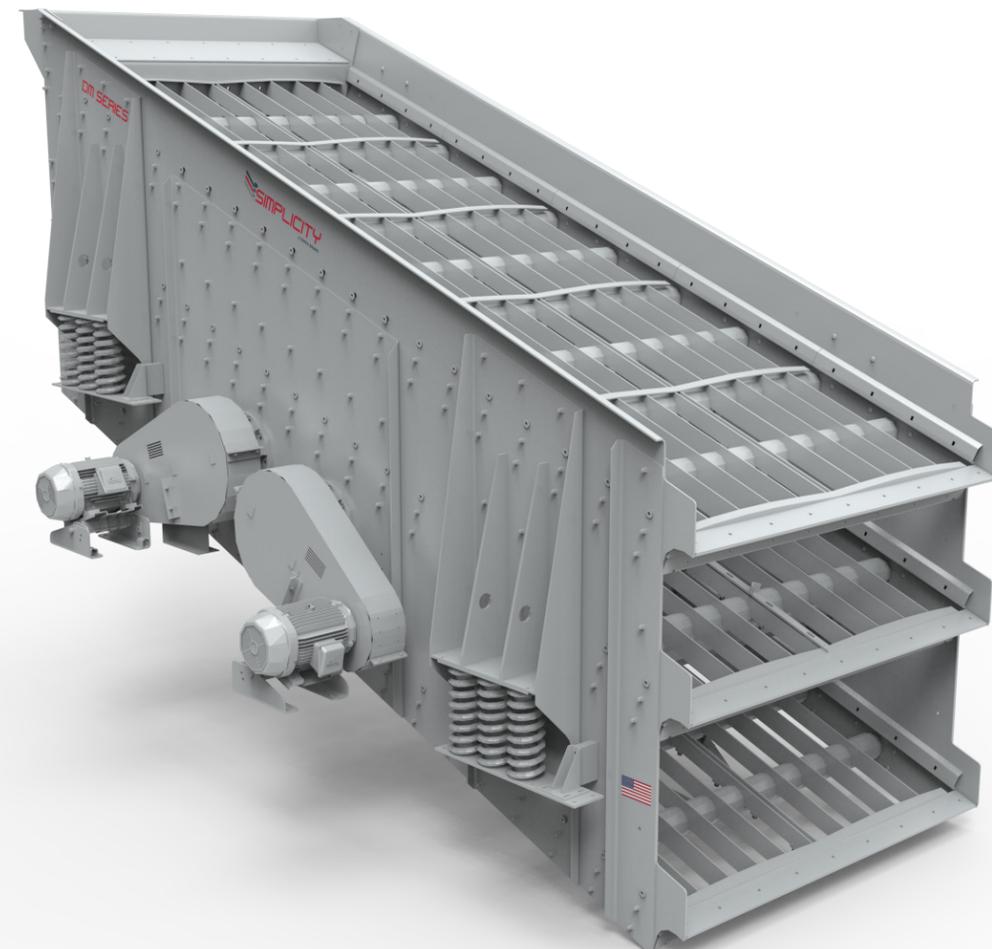
Our twin shafted dual mechanism inclined screens deliver the rugged reliability for those heavy jobs. The dual mechanism is an alternative to the single shaft mechanism, but optimized to provide maximum bearing life, heavy material surges and minimum downtime.

This tough design extends bearing life in heavy-duty applications and handles increased speeds in fine screening applications. Modified deck designs are available, including grizzly bars, finger tines and other specialized media.

DM Series 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
- Retrofit-able to replace competitors units with minimal modification requirements.



## Four Bearing Incline Screens FB Series

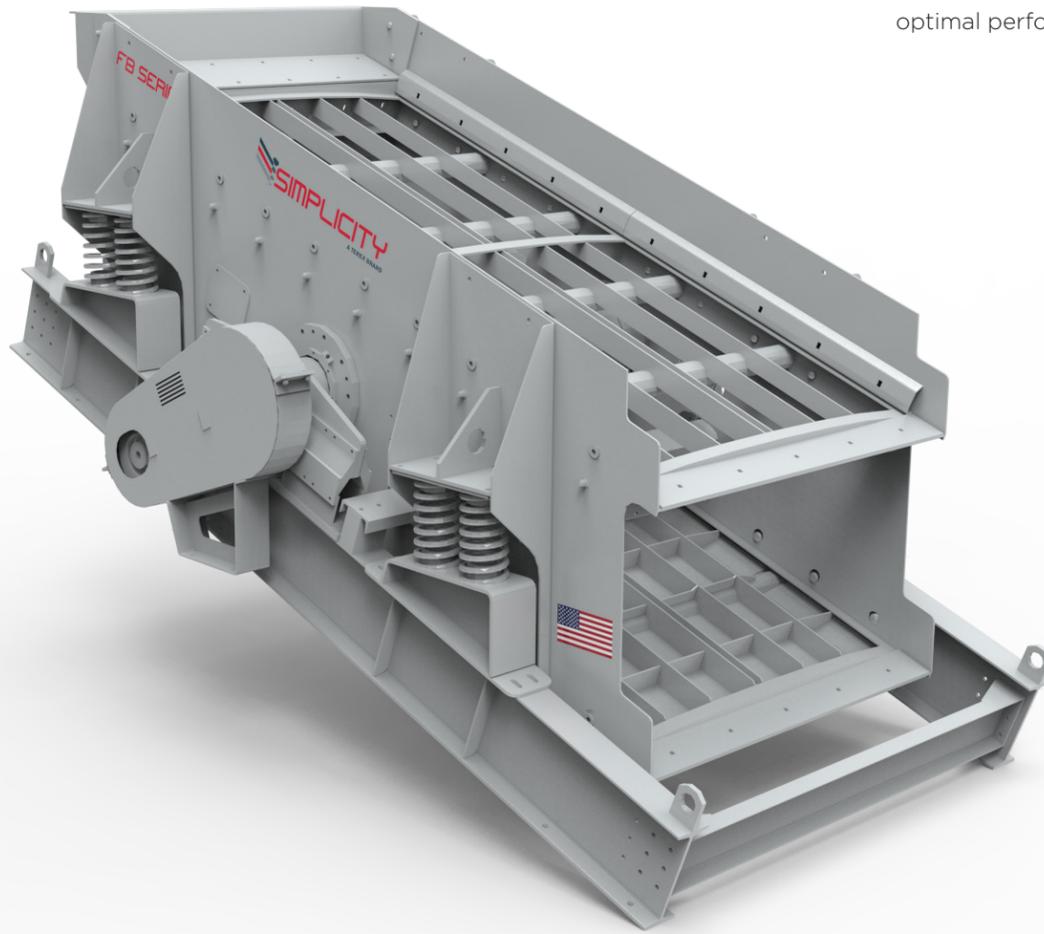
The Simplicity® four-bearing gyrating screen is the original mechanically vibrated screen using a counterbalanced eccentric shaft. The shaft is accurately machined to provide an exact counter-balance for the weight with the entire frame and deck structure, building in positive action with perfect smoothness.

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.

The FB Series screen performs in application from organic materials to construction demolition.

Available in 1, 2 or 3 deck configurations up to 8'x20'.



### 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

## Elliptical Stroke Horizontal Screen ES Series

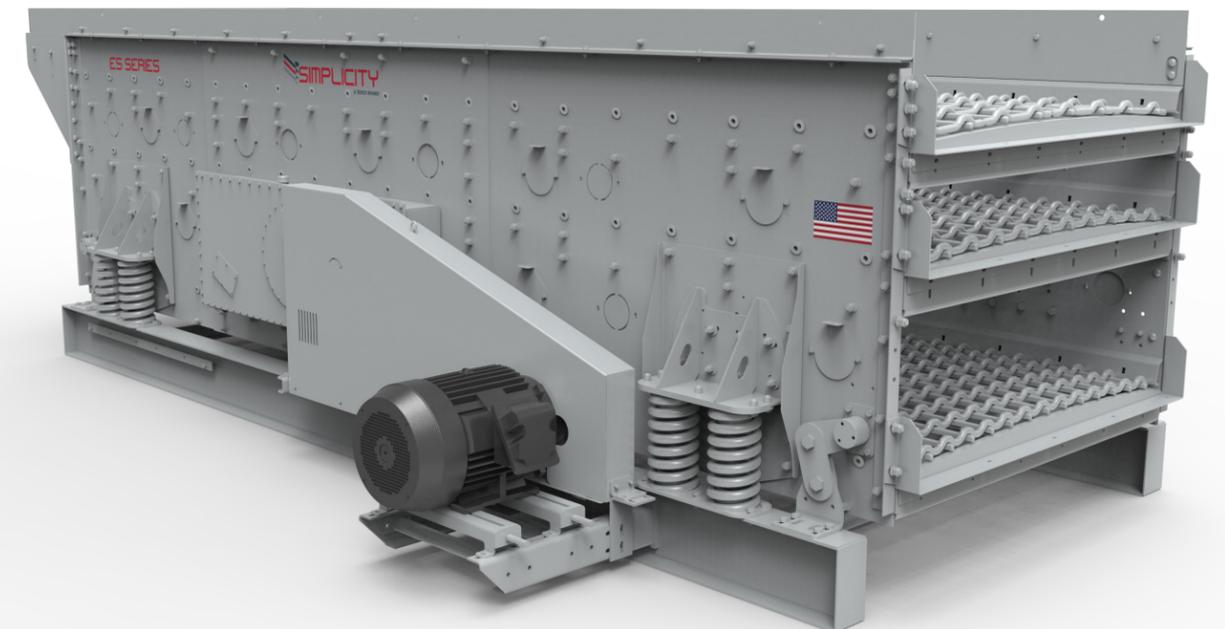
The revolutionary ES Series increases production and handles applications not possible with traditional horizontal screens because it combines the efficient, high g-force oval stroke motion with variable slope operation to handle larger deck loads. The new design also features more steel in the “rock 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 is available in 2 or 3 decks with sizes ranging from 5'x16' up to 8'x20'

### 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 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



## Elliptical Stroke “Extra Clearance” Horizontal Screen ESX Series

The ESX “Extra Clearance” Series by Simplicity is our newest addition to our trusted range of screening solutions. The elliptical stroke design has taken the legendary oval stroke screen to the next level. The increased clearance between the screen decks provide easy maintenance access to the media. Upgrades to the drive train and suspension ensure that this screen still has the performance that you can count on for years to come.

The ESX 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, but most importantly the “Extra Clearance” of the ESX Series, makes it an industry leader.

### ESX Series Advantages

- More steel in “rock zone” for industry leading durability; 5/16” (8 mm) Grade 50 side plates are 2-times stronger than 1/4” (6 mm) standard steel; rugged computer-optimized decks with full-length bracing are unmatched
- Variable slope installation from zero to 10 degrees allows matching the slope to the application to minimize bed depth as well as larger screen openings up to 6”
- High G-force, high efficiency oval stroke motion adjusts 3-ways (speed, stroke angle, stroke magnitude) to optimize performance
- ESX (Extra Clearance Screen) provides additional clearance compared to typical horizontal screen between all deck for easy maintenance access
- Patented “flow-through” lubrication system and patented “sealed-for-life” double O-ring construction provides maximum equipment life



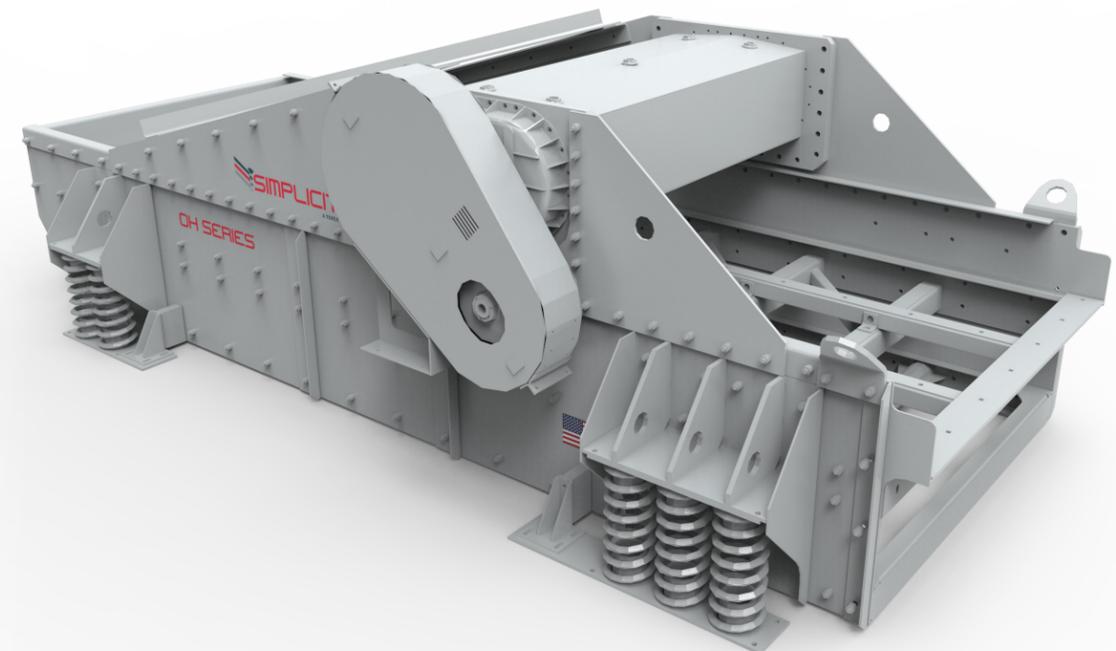
## Overhead Driven Horizontal Screens OH Series

Designed for stationary plants where load height needs to be held to a minimum. Our Overhead 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. Non-traditional 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
- Cartridge style bearings offer reduced maintenance and downtime



## Standard Incline Screens SI Series

The SI 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 screens are available in 2 or 3 deck configurations in 6'x20'

### 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



## Vibrating Grizzly Feeder GF Series

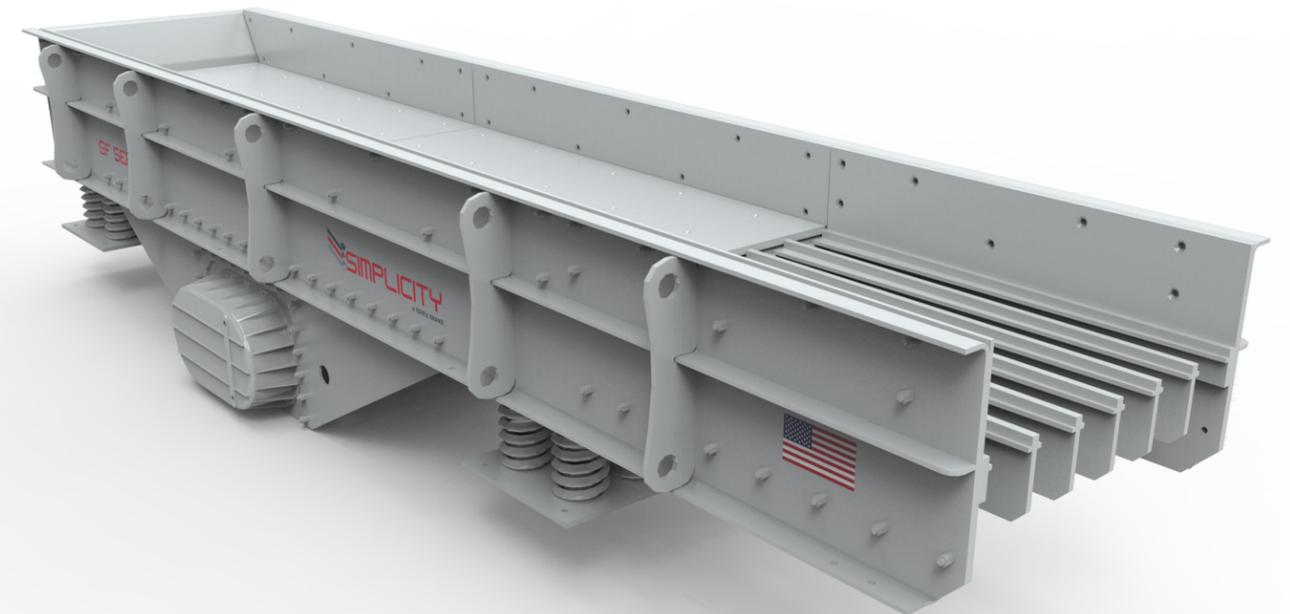
The Simplicity® range features a heavy duty pan section followed by grizzly bars designed for your application. The feeder performs both scalping and feeding in a single unit and is designed for impact loading and heavy burdens in the toughest applications.

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 and perforated plates to custom tines
- Increased component life with heavy coil spring support system and powerful oscillating twin shaft assembly
- 5 different design types are available for a variety of applications
- Customizable options and inclinations to meet strict demands, footprints or difficult material characteristics

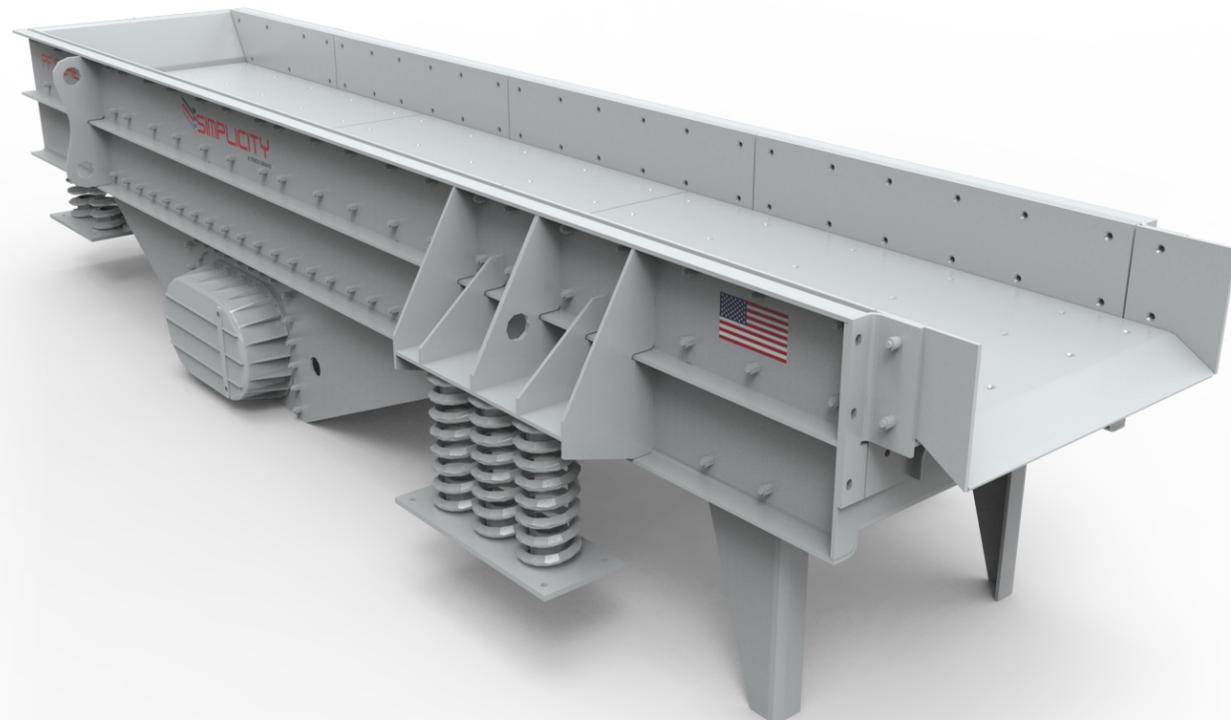


## Vibrating Pan Feeder PF Series

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, from 39" x 10' up to 86" x 24'.

### 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



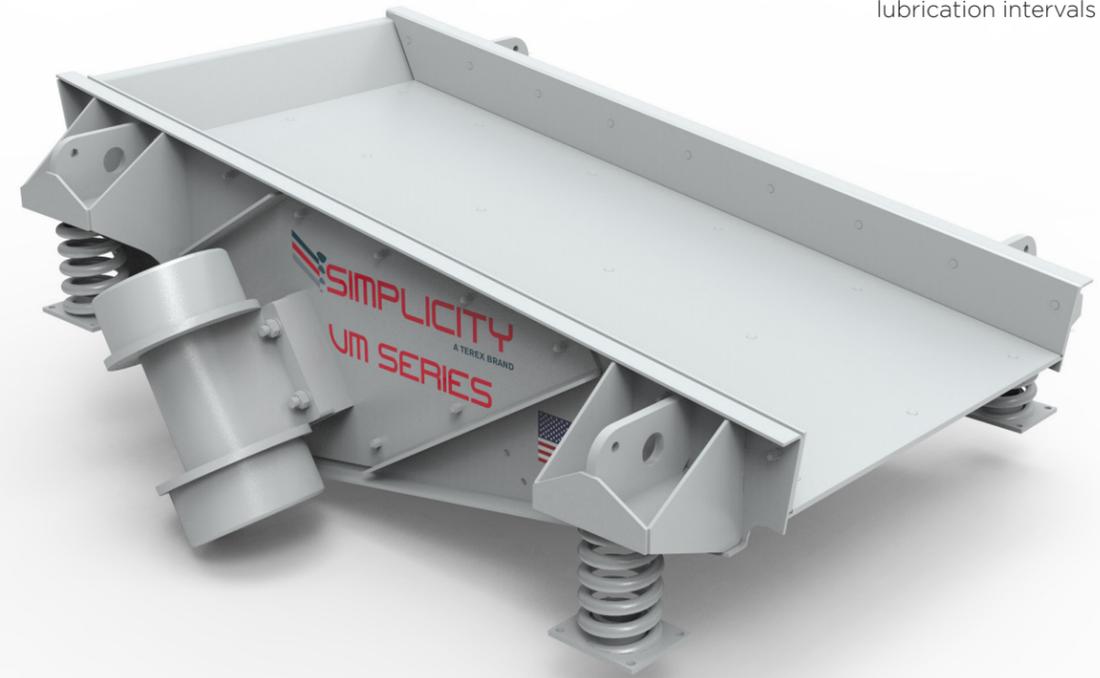
## Vibrating Pan Feeder VM Series

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 from 24" x 72" to 60" x 120".

### 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



## Portable Screen Plant TXS720H

The Simplicity® TXS720H screen plant features the popular 7' x 20' (2134mm x 6096mm) ES Series screen, along with a flex shaft screen drive and roll-away blending chutes, make this a leader in the screen plant market. The wide conveyor belts handle peak load conditions easily. The plant is designed to get the most out of the screen so there is plenty of capacity to make the crushers the bottleneck in the circuit, not the screen

### TXS720H Advantages

- Heavy-duty triple-shaft oval stroke screen
- Adjustable screen stroke angle and stroke length
- Low maintenance surge dampeners/ship braces
- Flex shaft drive and walkways fold for travel
- Heavy-duty I-Beam main frame
- Clamp bar stowage racks on feed end of screen walkway
- Rugged heavy-duty conveyor systems
- Extra-wide walkways on both sides and feed end of screen



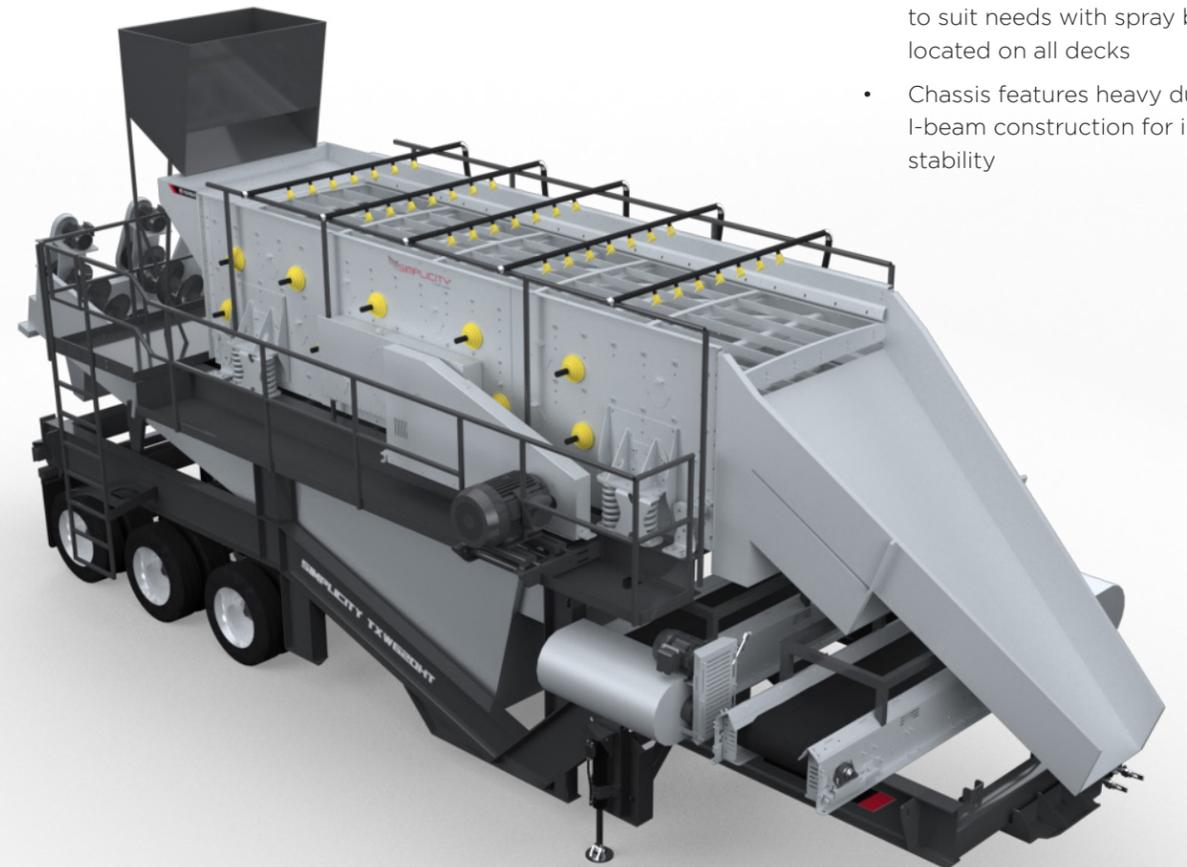
## Wash Plant TXW Series

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.

Screen Model	Screen Box Size	Screen
TXW516S	5' x 16'	single
TXW616T	6' x 16'	twin
TXW620HT	6' x 20'	twin

### 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

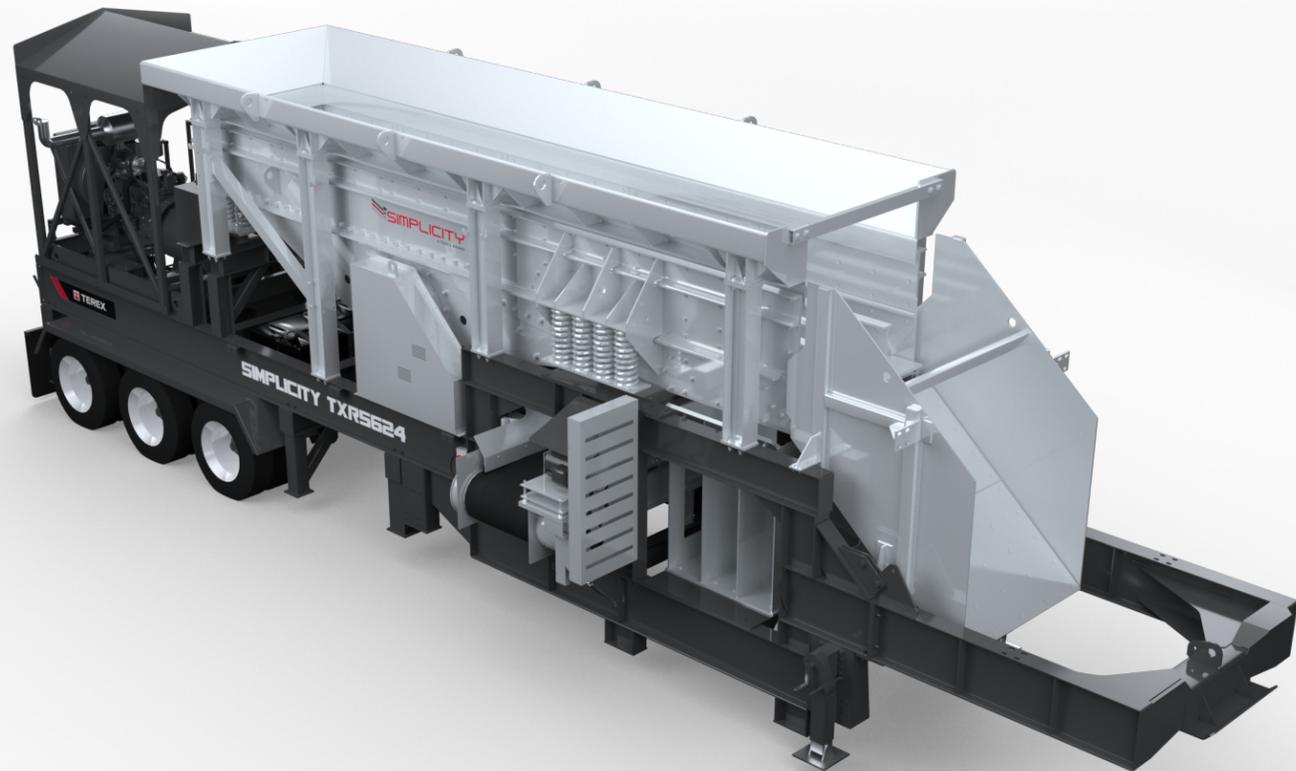


## Rip Rap Plant TXR5624

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 Horizontal Screen MHS Series

The MHS Series modular screens feature the extremely efficient Simplicity ES Series horizontal screen with its legendary oval stroke action. Set-up time and ease of operation is aided by the simplicity of the modular product range. All of our modular crushers and modular screens bolt together on site and require minimal on-site wiring. Designed with logistics in mind, the module ships in two 40' shipping containers; the screen ships separately.

### MHS Series Advantages

- 3-deck ES Series horizontal screen with oval stroke design
- 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
- Roll away blending chute
- Wash option 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.

### 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.

### 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.

### 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.

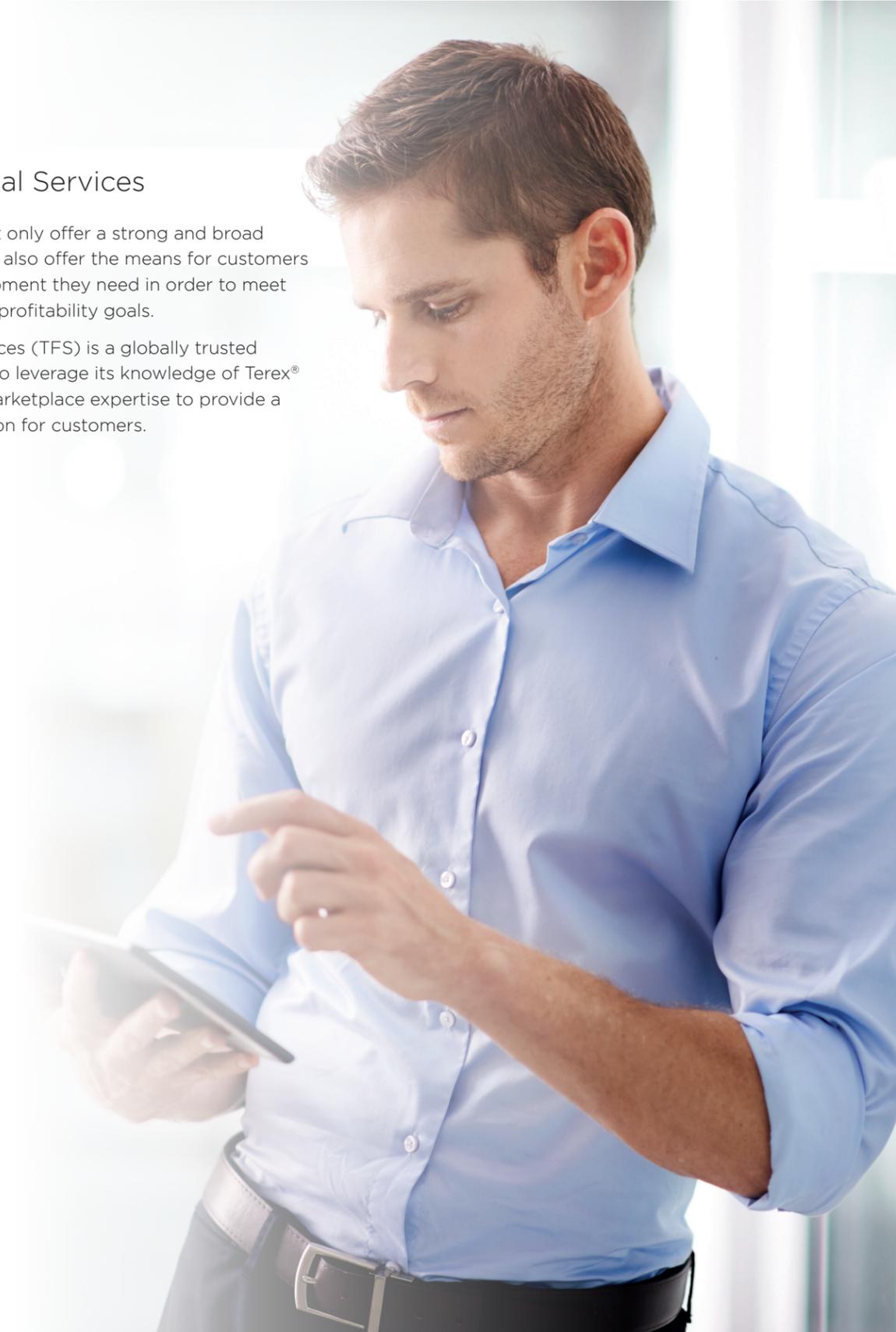
Our experienced field service and distribution network are available to you on site or at our global service facilities. We can repair broken or damaged equipment to like-new condition and restore worn or irreplaceable equipment to perfect operating condition – which minimizes costly downtime for you.

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

### 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.





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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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