

***SIMPLICITY***  
A TEREX BRAND

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



A world working better™

 **TEREX**.MPS

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# Simplicity®

Flexible.  
Innovative.  
Built to Last.

### Welcome to the World of Simplicity®

Simply put, with Simplicity® we are leading the way in the design and manufacture of vibrating equipment across an exceptionally wide range of applications.

By harnessing leading-edge engineering resources and innovative technologies, we're delivering the next generation of screens and feeders - offering you unparalleled levels of performance and reliability.

The Simplicity® portfolio is broad enough for multiple applications, yet flexible enough to be fully customized.

We have the proven, in-depth experience and expertise in screening technology plus a reputation founded on superior design and premium components - which means you can count on cost-effective, long-term solutions that deliver the high performance solutions you need - every day.

### Key Benefits

- Customized solutions which include
- Different space between decks
- Different inclinations
- Positioning of spring locations
- Multiple media options
- Different widths & heights
- Different widths
- Feed box options

## Simplicity® Incline Screens SM Series

### Flexible. Rugged. Reliable.

The screen is critical to your plant production and your profitability. The Simplicity® SM Series is a 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 offered 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.

Single-piece, continuously welded decks are Huck® bolt fastened to extra-deep corner supports, and rugged steel side plates for a box-type structural strength that is highly resistant to cracking. In the side plate area, extended height for extra rigidity.

### Advantages/Key Features

- Heavy Duty rigid construction with Huck™ bolt.
- Application versatility
- Models customized for size, deck styles and media
- Capable of producing a variety of material.



## Simplicity® Incline Screens DM Series

### High Production Meets Low Maintenance

Our twin shafted inclined screens deliver the rugged reliability for those heavy jobs. The dual mechanism is an alternative to the single shaft mechanism.

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 ranging from 7' x 20' (2134mm x 6096mm) to 8' x 24' (2438mm x 7315mm).

### Advantages/Key Features

- Carry more load with increased bearing life
- Easy to retro-fit into existing structures
- Adjustable speed and stroke
- Available with heavy decks for urethane media.



## Simplicity® Incline Screens FB Series

### Power with Precision

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.

### Advantages/Key Features

- Single shaft, four bearing assembly
- Positive stroke machine which handles surge loads
- Improved wear with 6" discharge lips with liners, abrasion resistant steel lip liners, feed box with replaceable bottom liner
- Cable or coil mounted installation
- Ready to work immediately due to full length I-beam main frame.



## Simplicity® Incline Screens FM Series

### Power with Precision

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 are available in the following versions:-

FM 1612 - 6' x 12'	1 deck
FM 2612 - 6' x 12'	2 deck
FM 1618 - 6' x 18'	1 deck
FM 2618-5 - 6' x 18',	2 deck (3) 6' top deck & (2) 6' bottom deck sections
FM 2618-6 - 6' x 18'	2 deck (3) 6' top & bottom deck sections

### Advantages/Key Features

- 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)



## Simplicity® Incline Screens ES Series

### Reliable and Adaptable

The revolutionary ES Series increases production and handles applications not possible with traditional horizontal screens because it combines the efficient, high g-force EI-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.

### Advantages/Key Features

- Screen installs from 0° up to 10° in 2.5° increments to handle larger deck loads and bigger screen openings
- More steel in “rock zone” for industry leading durability; 5/16” (8 mm)
- Rugged computer-optimized decks with full-length bracing
- Optional bottom deck deflector plates boost screen efficiency
- High G-force, high efficiency EI-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



## Simplicity® Horizontal Screens OH Series

### Reliable and Adaptable

Designed for stationary and portable plants where load height and travel height need to be held to a minimum, our Over-Head 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 range from 4' x 8' single deck units to 8' x 20' two deck units.

### Advantages/Key Features

- Huck® bolted screen box construction (no welds)
- Liner Stroke
- Bolt-on feed box with replaceable bottom liner
- 6” discharge lips with liners
- Abrasion-resistant steel lip liners
- Single crown decks
- Coil suspension springs
- Rubber friction checks
- Right-hand drive standard; left-hand also available.



## Simplicity® Vibrating Feeder GF Series

Flexible. Reliable. Durable.

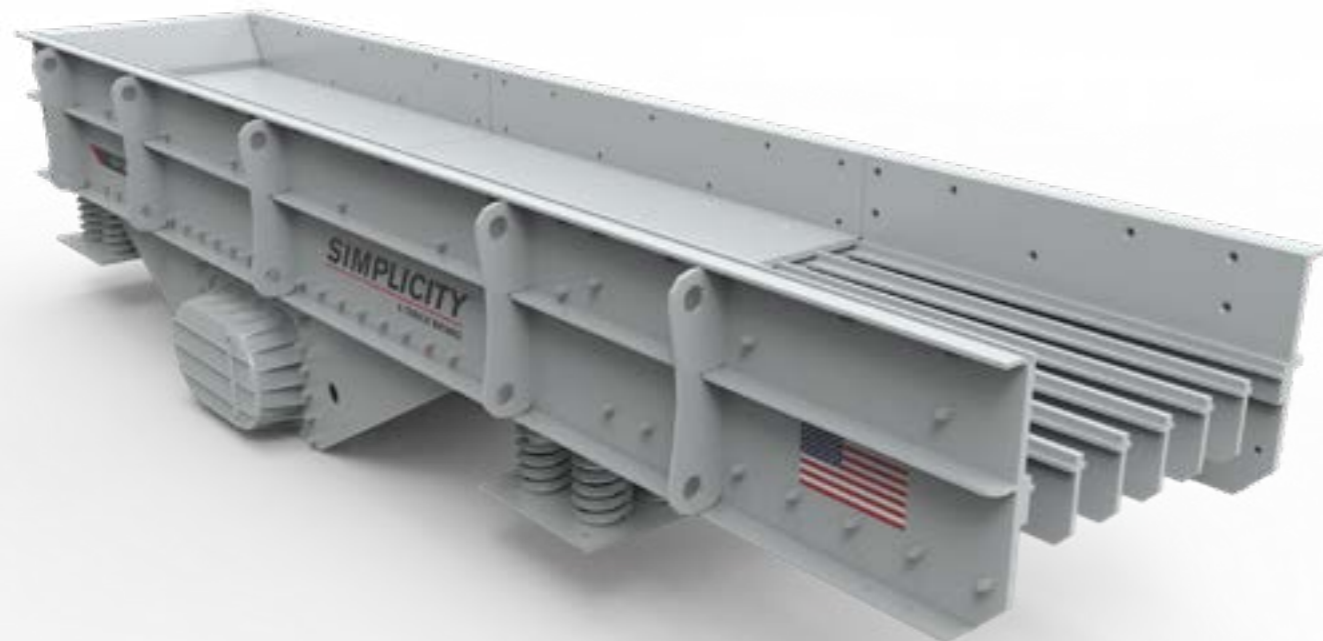
The Simplicity® range features heavy-duty pan feeders with grizzly sections added to the pan surface. They perform both scalping and feeding in a single unit, and are designed for impact loading and heavy burdens in the toughest applications.

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

### Advantages/Key Features

- Extra-heavy construction, deep side channels, extra-heavy cross member and filler bar sub-deck for long, reliable life
- Increased scalping capabilities with adjustable grizzly openings
- Increased component life with heavy coil spring support system and powerful oscillating twin shaft assembly
- Thick abrasion-resistant steel liners.
- 5 Different design configurations available for application use
- Heavy duty weight for static applications
- Robust Egg Crate design in the impact section to handle heavy surge loads



## Simplicity® Vibrating Feeder PF Series

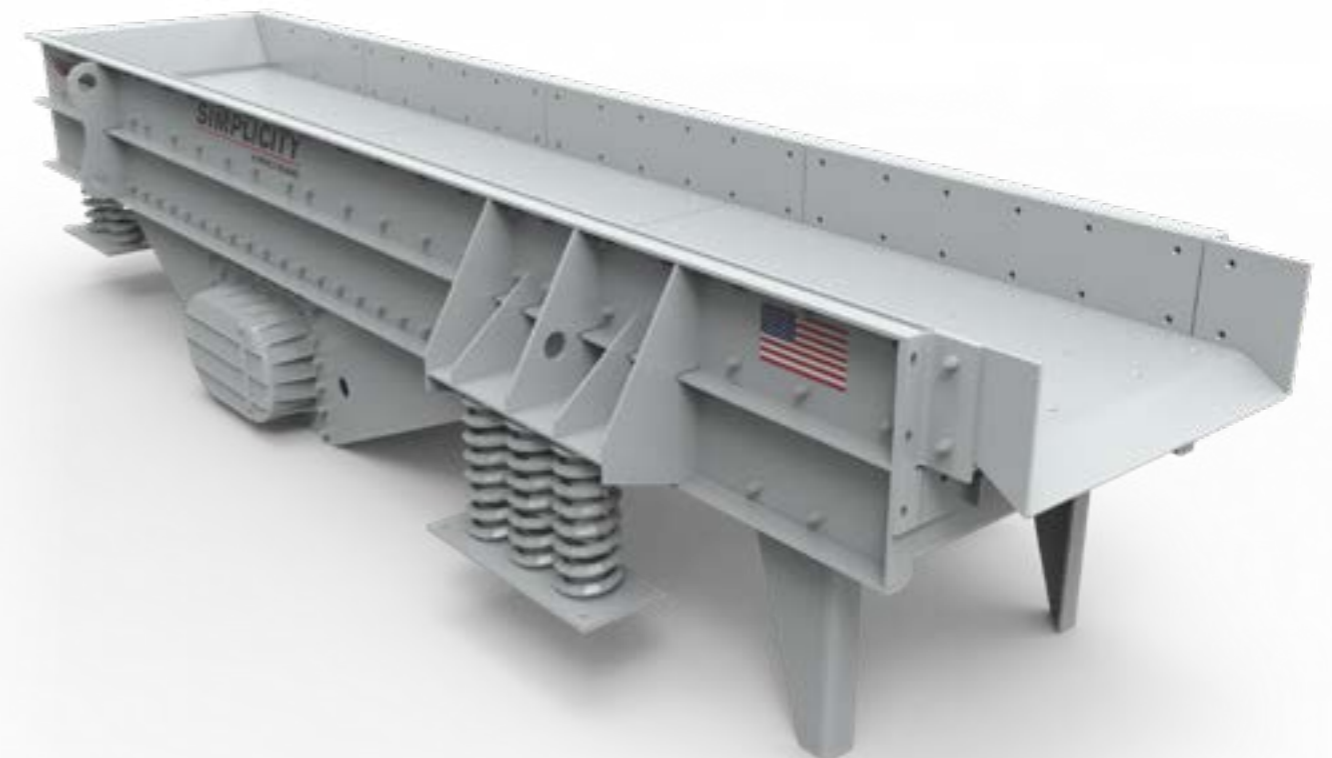
Flexible. Reliable. Durable.

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.

### Advantages/Key Features

- Completely customizable.
- Extra-heavy construction, deep side channels, extra-heavy cross member and filler bar sub-deck for long, reliable life
- Increased scalping capabilities with adjustable grizzly openings
- Increased component life with heavy coil spring support system and powerful oscillating twin shaft assembly
- Thick abrasion-resistant steel pan liners and side liners.



## Simplicity® Vibrating Feeder VM Series

Flexible. Reliable. Durable.

The Simplicity® Low Profile Vibratory Motor Pan Feeders has 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.

### Advantages/Key Features

- Capacity based maximum stroke setting of 3/8 inch (10 mm)
- 900 rpm operating speed
- 8 degree standard slope
- 5 inch bed depth
- Low moisture sand weighing 100 lbs per cubic foot
- Tough & Durable
- Ease of maintenance
- Wide range
- Flexible Configurations



## Simplicity® Vibrating Feeder VM Series

Feeder Model	Feeder Size W & L	Capacity * TPH (MTPH)	Motors	Stroke and Speed	Total Weight
VM2472	24" X 72" (610mm x 1829mm)	330 (300)	Twin 2.41 HP 8 Poles, 406 in-lbs		2150
VM3672	36" x 72" (914mm x 1829mm)	495 (449)	Twin 2.41 HP 8 Poles, 406 in-lbs		2475
VM3696	36" X 96" (914mm X 2438mm)	495 (449)	Twin 3.08 HP 8 Poles, 590 in-lbs	3/16 - 3/8"	3125
VM4896	48" x 96" (1219mm x 2438mm)	660 (600)	Twin 3.08 HP 8 Poles, 590 in-lbs	(5mm-10mm)	3175
VM48120	48" x 120" (1219mm x 3048mm)	660 (600)	Twin 4.02 HP 8 Poles, 728 in-lbs	900rpm max.	4725
VM60120	60" x 120" (1524mm x 3048mm)	825 (748)	Twin 5.77HP 8 Poles, 1011 in-lbs		5600

\*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 properly designed hopper and skirts

### Capacity Adjustment factors:

- Factory stroke setting 3/16" stroke (5mm) - multiply by 0.75
- Wet material - multiply by 0.8
- Clay contaminated material - multiply by 0.6
- Crushed stone up to 6" (150mm) with 12" bed depth - multiply by 1.2 (adjust gate and throat for larger material and higher bed depth)
- Crushed stone up over 6" (150mm) with 20" bed depth - multiply by 1.5 (adjust gate and throat for larger material and higher bed depth)

## 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...

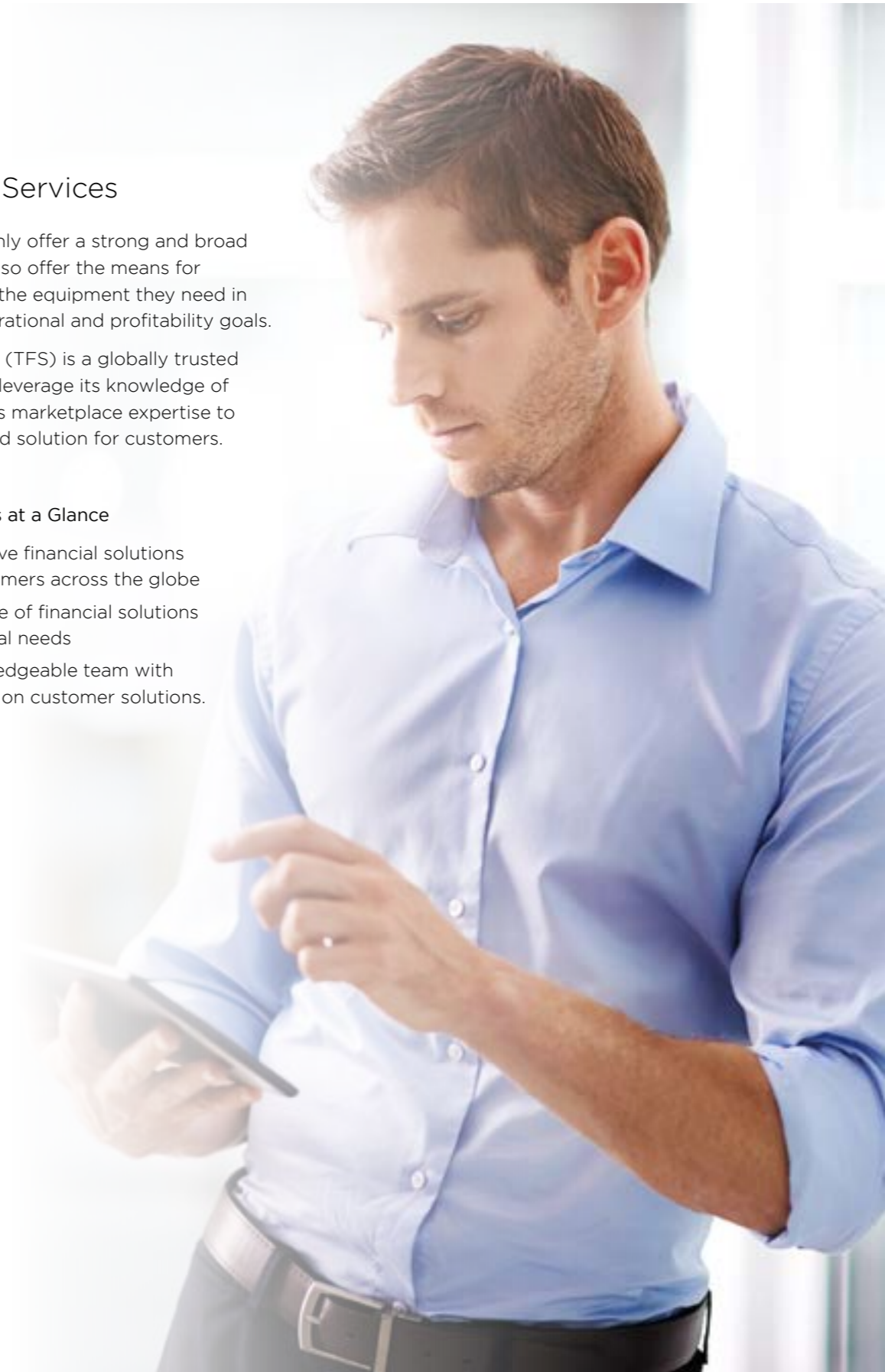
### Terex Financial Services

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.

#### Terex Financial Services at a Glance

- Providing cost-effective financial solutions to thousands of customers across the globe
- A comprehensive suite of financial solutions tailored to fit individual needs
- Dedicated and knowledgeable team with global reach, focused on customer solutions.





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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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