



**WORLD LEADERS IN  
ROCK TROMMEL TECHNOLOGY**

**PROSPECTUS**





**WORKING  
WITH MDS**

## INDEX

<b>OUR STORY</b>	<b>04</b>	<b>KEY APPLICATIONS</b>	<b>16</b>
<b>OUR HISTORY</b>	<b>05</b>	<b>CASE STUDY</b>	<b>17</b>
<b>WHY CHOOSE MDS?</b>	<b>06</b>	<b>ONLINE HELPDESK</b>	<b>18</b>
<b>APPLICATIONS</b>	<b>07</b>	<b>TELEPHONE HELPDESK</b>	<b>19</b>
<b>PRODUCT RANGE</b>	<b>08</b>	<b>SUPPORT</b>	<b>20</b>
<b>M412 TRACK TROMMEL</b>	<b>10</b>	<b>ONLINE WARRANTY</b>	<b>21</b>
<b>M413 TRACK TROMMEL</b>	<b>11</b>	<b>PARTS SUPPORT</b>	<b>22</b>
<b>M515 TRACK TROMMEL</b>	<b>12</b>	<b>MARKETING</b>	<b>23</b>
<b>M518R RECYCLING TROMMEL</b>	<b>13</b>	<b>TRAINING</b>	<b>24</b>
<b>M615 MODULAR TROMMEL</b>	<b>14</b>	<b>TEREX FINANCIAL SERVICES</b>	<b>25</b>
<b>M820 MODULAR TROMMEL</b>	<b>15</b>	<b>DEALER NETWORK WORLDWIDE</b>	<b>27</b>



# OUR STORY

MDS designs and manufactures state of the art Heavy Duty Trommels and Conveyors. We pride ourselves on our innovation in all our product range as well as the durability and robustness of our machines. MDS leaves no stone unturned!

MDS was founded in 1995 by Liam Murray, with a vision to design and develop engineering solutions to the industry, he wanted to manufacture his own range of trommel's but with a difference. "A trommel that is built to withstand the harshest of environments and the toughest quarried aggregates". Having manufactured products for other people he knew what worked for them and what he wanted to improve on.



# OUR HISTORY

In 1995, Murray Design Solutions (MDS) was established, Liam and Una Murray, offering customized engineering design solutions to valued customers. Over the years, the growth trajectory has been nothing short of remarkable, with continuous improvements in manufacturing capabilities and the steady expansion of our dealer network.

Acknowledging the immense potential of MDS, Terex acquired the business in July 2021. Terex identified MDS as the ideal addition to complement Terex's existing portfolio, firmly establishing our position in the industry.



**1995**

Company Founded by Liam Murray in 500 sq ft. building. Did Design & Development work for Industry.



**1998**

Moved into 3000 sq ft. building with 10 employees doing prototype manufacture, design & development.



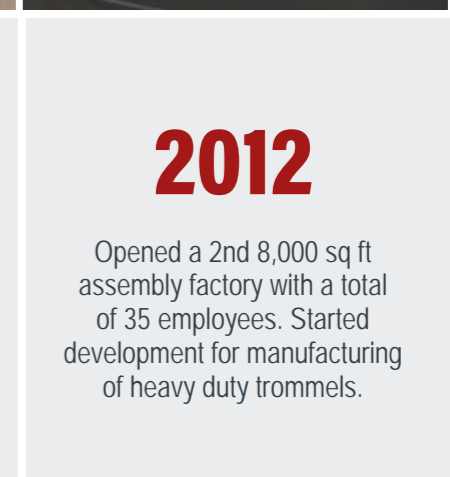
**2002**

Built 8,000 sq ft building with 20 employees. Continued development work and began sub contract manufacture.



**2007**

Extended factory to 12,000 sq ft with 28 employees. Developed Trommel Range and continued sub contract manufacture.



**2012**

Opened a 2nd 8,000 sq ft assembly factory with a total of 35 employees. Started development for manufacturing of heavy duty trommels.



**2017**

Fully dedicated to Trommel Manufacture. Ongoing R&D Programs to improve design. Sales strong internationally.



**2020**

MDS expands Factory hall.



**2021**

Terex acquires MDS.



**NOW**



# WHY CHOOSE MDS?

With an already robust dealer network spanning the globe, we continue to seek new partners in diverse markets. Our highly specialized products perfectly complement other crushing and screening equipment.

MDS Trommels excel at handling tasks that regular screening equipment simply cannot manage, especially when dealing with larger, abrasive, wet, or sticky materials. Our cutting-edge units boast a unique screening mechanism that proves highly efficient in removing clay from rocks, resulting in a consistently sized product like no other.

Given their complimentary nature to other products, our trommels are often utilized as primary units before crushing or screening, making them an ideal addition to any fleet. Traditionally, customers struggle with processing materials using other machines, facing productivity and efficiency challenges. Opting for MDS trommels unlocks the potential to solve material processing difficulties.



# APPLICATIONS

MDS units can tackle diverse applications and can screen various forms of materials, as the screen sizes on the MDS Trommel drums can be of different sizes, the size of the output material is of the requirements of the customers.

## CHALLENGE ACCEPTED



### QUARRYING

- Rip-Rap/Armour Rock
- Overburden
- Limestone
- Pre screening
- Pre Crushing

### MINING

- Granite
- Basalt
- Iron ore
- Coal
- Nickel Ore

### RECYCLING

- Steel Slag
- Municipal Waste
- General Waste
- Wood Waste
- Metal Waste

### CONSTRUCTION & DEMOLITION WASTE

- Rubble Recovery
- Demolition Waste
- Primary Processing
- Sticky Clay



# PRODUCT RANGE

As a dedicated dealer, you have access to a range of MDS products to market and sell in your designated region. Our units are primarily used in applications like recovering rocks from overburden, cleaning off sticky clay from rocks, riprap/armour rocks, processing blasted rocks up to 32" (800mm) in size, recycling steel waste and construction and demolition waste (C+D).

## TRACK TROMMELS



### M412

- 21.5 ton Weight
- 2 Way Split
- 300 TPH Capacity
- CAT 2.2 50kW Engine



### M413

- 29.5 ton Weight
- 3 Way Split
- 300 TPH Capacity
- CAT 2.2 50kW Engine



### M515

- 48 Ton Weight
- 3 Way Split
- 350-500 TPH Capacity
- CAT 3.6 100kW Engine



### M518R

- 20 Ton Weight
- Lighter Duty Trommel
- Recycling Trommel
- CAT C2.2 55kW (74hp) Engine

## STATIC TROMMELS



### M615

- 35 Ton Weight
- CAT 4.4 75kW Engine
- Up to 400 TPH (450 US Tons PH) Depending On Application



### M820

- 80 Ton Weight
- CAT 7.1 175kW Engine
- Up to 720 TPH (825 US Tons PH)

## CONVEYORS



**MT24H**  
High Level Feeder



**MT24L**  
Low Level Feeder



**MT31**  
Tracked



**MT24**  
Tracked



**MT21**  
Tracked



**MT24R**  
Radial



**MT24L**  
Orbital



**MT24H**  
Orbital



**MT24H**  
Organics



**MT24H**  
Organics Orbital





# M412 TRACK TROMMEL

The M412 Track Trommel is ideal for screening from light material to recycling heavy demolition waste. This machine can also operate in the quarry, cleaning dirty material up to 600mm (24") in height.



## TRANSPORT DIMENSIONS

- **Length** 12,820mm (42ft)
- **Width** 2,500mm (8ft 2")
- **Height** 3000mm (9ft 8") | 3,423mm (11ft 2") w/Grid
- **Weight** 21.5 tonnes (23.7 US Tons)

## OUTPUT

- **Capacity** Up to 300 Tonnes per hour (330 US Tons PH)

## OPTIONS

- Drum Cleaner, Tipping Grid, Chasis Riser,
- Hopper Deflectors & Hopper Doors

# M413 TRACK TROMMEL

The M413 is ideal for contractors fleets and can operate in quarries cleaning dirty material up to 600mm (24") in size. The M413 can also recycle construction and demolition waste (C + D).



## TRANSPORT DIMENSIONS

- **Length** 13,405mm (43ft 11")
- **Width** 2,500mm (8ft 2")
- **Height** 3,100mm (10ft 2") | 3,524mm (11ft 6") w/Grid
- **Weight** 29.5 tons

## OUTPUT

- **Capacity** Up to 300 Tonnes per hour (330 US Tons PH)

## OPTIONS

- Drum Cleaner, Tipping Grid, Chasis Riser,
- Hopper Deflectors & Hopper Doors

**DID YOU KNOW**

Our unique drum cleaner makes MDS machines ideal for screening in sticky/difficult materials.



# M515 TRACK TROMMEL

The M515 is the perfect machine for processing the largest of rocks, up to 800mm (32") in size. Typical applications would be rip-rap, armour rock and quarry overburden. Complete with fold out stockpiling conveyors.



## TRANSPORT DIMENSIONS

- **Length** 17.3m (56ft 8")
- **Width** 3.0m (9ft 9")
- **Height** 3.84m (12ft 6") w/grid
- **Weight** 52,800kg (116,405lbs)

## OUTPUT

- **Capacity** Up to 500 tonnes per hour (up to 550 US tons PH)

## OPTIONS

- Drum Cleaner, Tipping Grid, AutoLube, Additional Conveyor Guarding, Wireless Remote

# M518R TRACK TROMMEL

The M518R is a compact recycling trommel that is designed to be used in various applications. It is packed with many features, including a 180 degree radial fines conveyor and typical applications would be, green waste, municipal waste, biomass, compost and more.



## TRANSPORT DIMENSIONS

- **Length** 11,630mm (38'2")
- **Width** 2,900mm (8'11")
- **Height** 3,400mm (11'2")
- **Weight** 20,000 kg (44,000lbs)

## OUTPUT

- **Capacity** Dependent on Application

## OPTIONS

- 180 Degree Radial Fines Conveyor
- Remote Control Tipping Grid
- Reversible Fan and Punch Plate
- Mesh Drum

**DID YOU KNOW**

Our units are ideal for mining, quarrying, construction and recycling sectors?



# M615 STATIC TROMMEL

The M615 Modular Trommel is capable of screening material at the rate of approximately 500 tons per hour with a max rock size of 800mm (32"). It is ideal for use in cleaning dirty rock or screening blasted material. With 3 possible configurations, our modular trommel covers many applications.



## TRANSPORT DIMENSIONS

- **Length** 12.3m (40ft 5")
- **Width** 2.6m (8ft 5")
- **Height** 3.0m (9ft 11")
- **Weight** 30,780kg (67,858lbs)

## OUTPUT

- **Capacity** Up to 400 TPH (450 US tons PH) depending on application

## WALKWAYS

- Standard Galvanised Walkway
- Walkway Not Included

# M820 STATIC TROMMEL

The M820 is the largest trommel in the MDS range and is the ideal heavy duty trommel for processing large volumes of material that is capable of taking feeds up to 40 tonnes, straight from dump trucks. The M820 can cover many applications and can have up to 4 splits.



## TRANSPORT DIMENSIONS

- **Length** 14.9m (48ft 11")
- **Width** 3.65m (11ft 11")
- **Height** 3.9m (12ft 9")
- **Weight** 80,000kg (176,371lbs)

## OUTPUT

- **Capacity** Up to 720 Tonnes per hour (826 US Tons PH)

## OPTIONS

- Drum Cleaner Attachment
- Extended High Capacity Hopper

**DID YOU KNOW**

**MDS Trommels excel at handling tasks that regular screening equipment cannot manage, such as, abrasive, wet, or sticky materials.**



# KEY APPLICATIONS

The MDS Trommels provide an advantage in screening as they can handle large rocks for sea defense and RipRap. They're also effective in cleaning clay bound rock and rocks mixed with other sticky materials. Our trommels can be used as static trommels or mobile and can be purchased with different bases.



Scan here to see more case studies found via the applications section

# CASE STUDY

## M413 TROMMEL PROCESSING OVERBURDEN IN NORWAY

In the rugged terrains of Norway, a customer faced a challenge that demanded an innovative solution - to separate material and create a clean oversize product, a saleable mid-product, and waste fines. They needed a game-changer, and that's when they turned to the MDS M413 Trommel, setting the stage for a remarkable transformation in their operations.



### OVERBURDEN

Overburden is the problematic layer of material that sits at the top of the quarry. This will have been formed over the years as reject material kept being piled onto the side of the quarry. This overburden contains a lot of large rocks and is stuck inside layers of sticky clay. This is effectively processed using trommels.



### RIPRAP/ARMOUR ROCK

RipRap and Armour Rock are effective choices for the protection of river-banks and shorelines from the eroding action of waves, offering long lasting wave dissipation and scour protection. Climate change is causing rising sea levels & coastal erosion and Rip Rap / Armour Rock is used in sea defence projects around the world.



### GABION STONE

Gabion Stone is generally used to fill wire cages known as Gabion Baskets, which are generally used to quickly create inexpensive but aesthetically pleasing retaining walls and as landscape products.



### UNYIELDING HURDLES AND CREATIVE ENDEAVORS

The customer had previously tried using a scalping screen from a different brand, but they had wet and sticky fines material carrying over to their mid-product and some of their oversize was too large for the crushing operation. Frustration was at its peak, and an alternative was urgently required.

### THE ARRIVAL OF THE M413

With its powerful drum cleaner, the game changed dramatically. The innovative machine performed wonders, efficiently separating the 75mm waste fines from the material, ensuring the openings remained clear. Not stopping there, the M413's tipping grid went a step further, skillfully eliminating any oversize material larger than 450mm from the crushing operation, drastically reducing blockages and downtime.

### REAPING THE FRUITS OF SUCCESS

The machine delivered clean & precisely sized materials to the crusher at another area, leading to reduced wear & downtime. With a clean, saleable midsize product in hand, the customer was very happy.

### EXCEEDING EXPECTATIONS - A SATISFIED CUSTOMER SPEAKS

The customer was delighted at the cleanliness of the separated material, impressed by the machine's easy setup and operation, and lauded its unmatched sturdiness and robustness.

### A TRAILBLAZING TRIUMPH

The story of the MDS M413 Trommel in Norway is one of resilience and triumph. It took a persistent problem, combined it with innovation, and created an unstoppable force that elevated the customer's operations to new heights. The journey from frustration to fulfillment is an awe-inspiring testament to the potential of cutting-edge technology in revolutionizing industries.



## ONLINE HELPDESK

The Online Technical Helpdesk has ultimately been designed with the aim of making it easier for service representatives to submit enquiries and to monitor the status of their service queries.

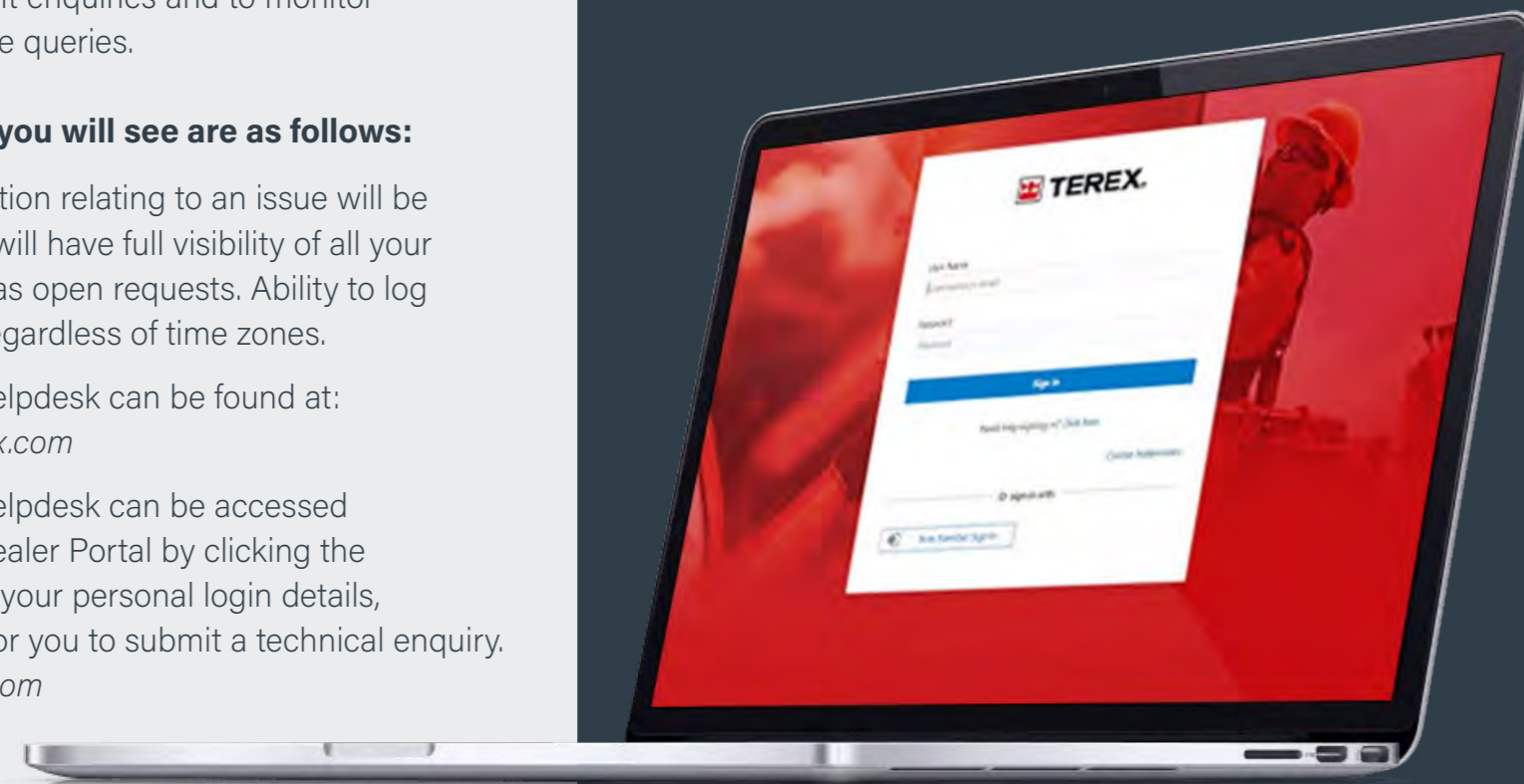
### The key benefits that you will see are as follows:

All updates and information relating to an issue will be stored in one area. You will have full visibility of all your previous issues as well as open requests. Ability to log issues 24 hours a day regardless of time zones.

The Online Technical Helpdesk can be found at:  
<http://mp-helpdesk.terex.com>

The Online Technical Helpdesk can be accessed from a link within the Dealer Portal by clicking the link below and entering your personal login details, making it much easier for you to submit a technical enquiry.  
<https://distributor.terex.com>

Please visit:  
<https://mp-helpdesk.terex.com>



## TELEPHONE HELPDESK

The Helpdesk telephone number is available for all dealers and is for use when a staff member is on site in a machine down situation and is in urgent need of a response.

**OMAGH, UK (ROW)**  
**Tel: +44 (0) 2882 252999**

**Hours of operation (UK time):**  
06:00 to 22:00 Monday to Friday | 08:00 to 13:00 Saturday

*Out of Office / On Call Evening*  
5.30pm – 10.00pm (Monday – Friday)

*Out of Office / On Call Weekend*  
8.30am – 12 Noon (Saturday only)

The out of hours telephone support service is for rapid response and to support field engineers.

**LOUISVILLE, USA (NA)**  
**Tel: (502) 736-5281**  
**Email: [mds.servicehelpdesk@terex.com](mailto:mds.servicehelpdesk@terex.com)**

**Hours of operation (EST time)**  
07.00am – 6.00pm (Monday – Friday)



# SUPPORT

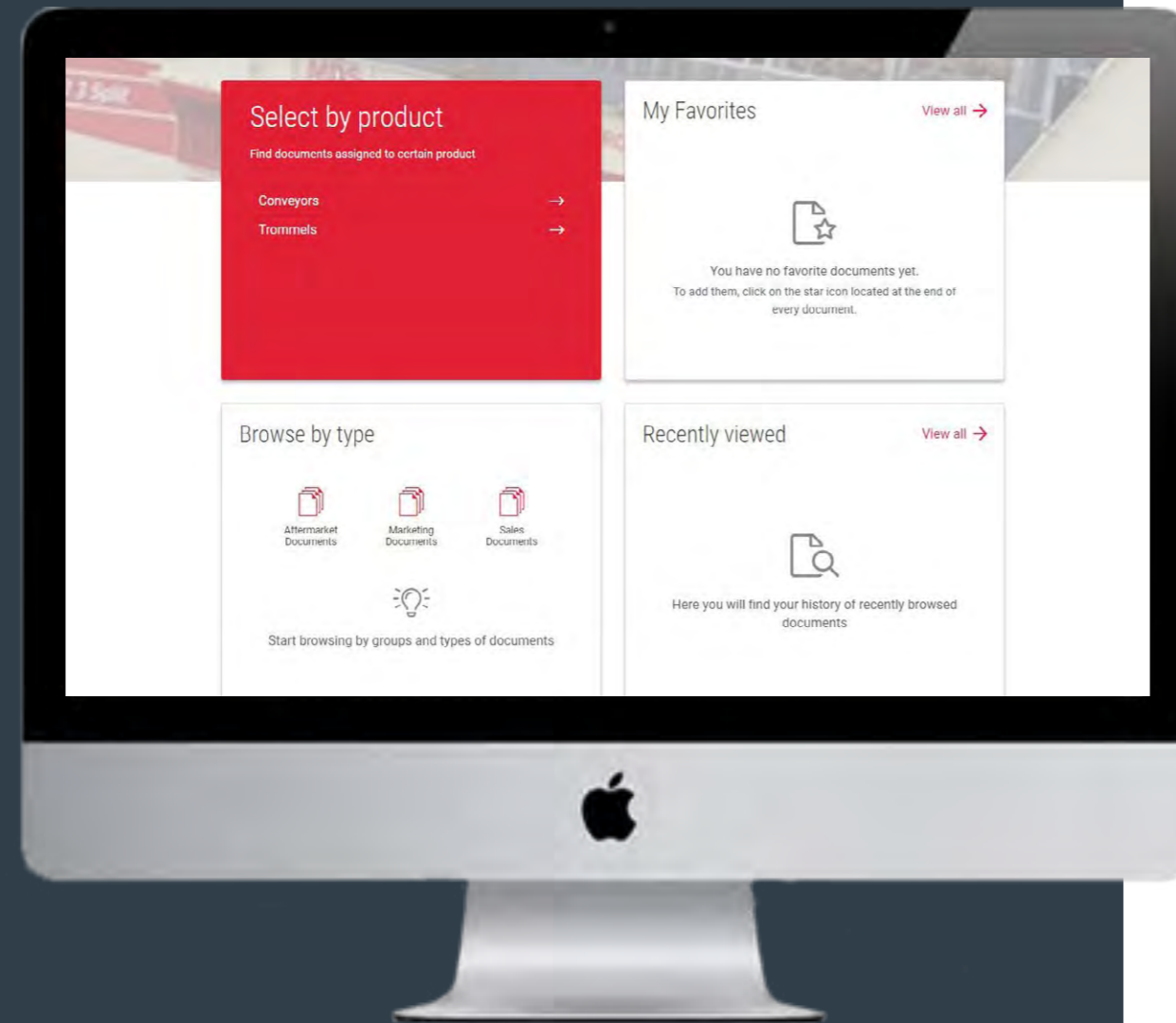
## DEALER PORTAL

Dealer Portal is a password protected website providing easy access to all the documents that dealers commonly request including parts and service manuals, videos, technical specifications and training documents.

### Including:

- Parts and service manuals
- Videos & Images
- Technical specifications
- Training documents
- Brochures
- Logos

To request a login  
or a reminder  
of login details,  
please visit:  
**MY.TEREX.COM**



# ONLINE WARRANTY

The warranty website can be accessed  
<https://mp-warranty.terex.com>

All MDS equipment is covered by a limited product warranty. A one page warranty statement is available in the Dealer Portal with full terms and conditions.

Engines must be registered with the engine manufacturer at the time of commissioning by the dealer.

To register machine warranty, a commissioning form should be submitted online within seven days of the machine being put into service. The registration process also requires completion of the customer handover form which is available in multiple languages in the warranty section of the customer support area of the dealer portal.

Pre-delivery checklist forms are also available here to complement dealers' own processes for receiving and maintaining equipment.





## PARTS SUPPORT

A purpose built \$7.2 million parts facility for global customer support with a large stock of items available for immediate global dispatch to meet the high demands of our customers, supporting growing requirements.

**parts.terex.com** is the online parts catalogue and ordering system providing 24 hour access for dealers to:

- Identify the correct parts and confirm pricing
- Check parts availability
- Place orders

Shipping tracking now available

The online parts helpdesk provides you with the ability to log issues 24 hours a day regardless of time zones. All updates and information will be stored giving full visibility of any previous issues and open requests.

New Dealers will be issued with a welcome pack directly from spares with further details on contacts, processes etc

To request a log in or a reminder of details, please contact **mp.parts@terex.com**



## MARKETING

### GRAPHIC DESIGN

We are able to provide graphic design support to our dealers. Please contact **mds.info@terex.com** if you need help with fliers, pop up stands, adverts, etc.

### NEWSLETTER

Scan the QR code and sign up to our newsletter to keep up to date with us by receiving the latest MDS news, events info and other business communications.

### WEBSITE

The website - **www.terex.com/MDS** contains information on products, industries links to videos and the latest range of press releases.

### SOCIAL MEDIA

MDS maintain Facebook, Instagram and LinkedIn pages with all ongoing activities: tradeshow, exhibitions, and machines launches. The YouTube channel contains numerous videos of MDS machines in action.  
**www.youtube.com/@MDS\_Terex**    



Scan the QR code and sign up to our newsletter





## TRAINING

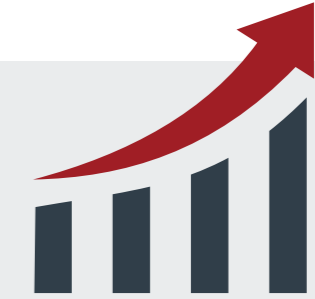
MDS provide training and application support. The Technical Support Engineers are here to assist the ongoing efforts of dealers' service personnel.

Their mission is to offer technical support to our dealers through commissioning, onsite training and back up support for technical issues in instances where dealer service teams cannot resolve problems with the use of the Helpdesk.

Request for assistance from Technical Support Engineers should be made through the Technical Helpdesk.



## TEREX FINANCIAL SERVICES ADDING VALUE TO YOUR BUSINESS



**Terex Financial Services (TFS) is fully integrated into the fabric of the Terex Business**

TFS offer global finance solutions and through a team of dedicated people who understand the needs of our dealers and customers we can direct you to the correct financial solution for your business.

We have developed a Turnkey Funding solution to assist our dealer partners, this offer is designed to maximize a dealers potential to develop their Terex Business.

- Terex Self-funding Capability
- Improved Working Capital Management
- Demonstration Programs
- Rental Purchase Schemes
- Stock Programs

The concept of adding value to your business is critical to us and this is why the TFS team can assist you in developing the right solution for you.

**We offer a wide range of facilities tailored by region:**

- USA
- Canada
- EMEA
- JAPIC region

**The range of facilities and services available are as follows;**

- Leasing Solutions
- Operating lease Solutions
- Fair Market Value lease solutions
- Loans/Hire Purchase facilities
- Used Equipment Financing

## CONTACTS

**USA:**  
**Tierna Monaghan**

Tel: +44 (0) 7901 513557

Email: tierna.monaghan@terex.com

**EUROPE/REST OF WORLD:**  
**Alex Teager**

Tel: +44 (0) 7990 424752

Email: alex.teager@terex.com





## DEALER NETWORK WORLDWIDE

One of the most important strengths is our Global Dealer Network who work tirelessly worldwide to support our customers. From your first machine purchase through to technical support, servicing and provision of spare parts, MDS and our Global Dealer Network are on hand to help.

### YOUR KEY CONTACTS

**Conor Hegarty**  
General Manager  
Tel: +44 7879 698 425  
Email: [conor.hegarty@terex.com](mailto:conor.hegarty@terex.com)

**Raheel Qamar**  
Business Development Manager  
Tel: +353 877 945 096  
Email: [raheel.qamar@terex.com](mailto:raheel.qamar@terex.com)







Scan the QR code  
to visit our website

## **Ireland**

Drummond, Magheracloone  
A81 TE82, Carrickmacross  
Co. Monaghan, Ireland  
Tel: +353 42 966 7899  
Email: [mds.info@terex.com](mailto:mds.info@terex.com)

## **USA**

Louisville  
11001 Electron Drive,  
Louisville, Kentucky, 40299 USA  
Tel: +1 502 736 5233  
Email: [mds.info@terex.com](mailto:mds.info@terex.com)

[www.terex.com/mds](http://www.terex.com/mds)



The material in this document is for information only and is subject to change without notice. MDS assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein. Photographs are for illustrative purposes only; some or all of the machines in the illustrations may be fitted with optional extras. All machines are CE Approved.