**Terex® Fuchs machines in operation:**

the dynamic combination of precision and efficiency

Our successful product range is aligned with the disparate demands of user groups in individual industries. Alignment with their preferences, already incorporated in the serial models, can be further refined. The brochure provides insight into the impressive versatility of the customized machines.
TEREX | FUCHS SUPPORTS YOUR SUCCESS.

Individual customer care
With around 350 employees Terex | Fuchs is a stable, medium-sized business with decades of manufacturing experience, well-founded development expertise and an extensive range of services. “These days, not many customers are satisfied by simply being sold a high grade material handler”, says managing director Ron de Vries, “they expect added value, or put another way, the full package.” To provide this added value, Terex | Fuchs has established a dedicated service department. Specific advice during the planning stage, proposals for individual requirements and committed cooperation on technical challenges are provided by this service team, either over the phone or on site.

Individual system solutions, not standard mass production
By focusing their competences on the transshipment industry, Terex | Fuchs were able to establish themselves over the years as leading experts in the sector. Whether in a small scrapyard or a large recycling plant in Germany, the gigantic port of Istanbul or reloading raw materials, Terex | Fuchs know exactly what is needed to work productively and efficiently. Thanks to their sophisticated modular design these material handlers can be individually configured in all directions.

“Right from the point of conception, we aim for outstanding robustness in every individual component”, declares Thomas Berners, Head of the Application Centre at Terex | Fuchs. This premise is backed by the long service life of Fuchs machines and offers the customer an attractive investment benefit.

125 years Terex | Fuchs.
The triumph of tradition and innovation.
When Johannes Fuchs established his business manufacturing agricultural handling equipment in Ditzingen, Germany in 1888, he could hardly have foreseen that he was to lay the foundations of a company that would be both active and successful worldwide. Much has since changed in terms of technology and product range, but the name “Fuchs” has remained constant, and with it a name for innovation, quality and precision. What began 125 years ago with handling equipment for animal housing was to develop in an entirely different direction over time. Manure loaders were followed by the first hydraulic excavators, and finally by the highly specialised material handlers that the company successfully markets today.
ALL JOB REPORTS AT A SINGLE GLANCE.

MHL Series

04 MHL350
Always at the top of the metal recycling game.

05 MHL350 HD
A tractor and a material handling machine in one single package.

06 MHL355
Cleverly engineered mix for maximum mobility.

07 MHL355 BQC
Boom Quick Connect.

08 MHL355 E
Massive operating range – fantastic visibility.

09 MHL365
Always at the top: steel recycling in Berlin.

10 MHL380 XL
Legendary powerhouse with enormous working radius.

11 MHL820
No emissions. High efficiency. And loads of energy.

12 MHL831
How to handle electronic waste with zero emissions.

13 MHL850

RHL Series

14 RHL340
Hybrid configuration for industry leaders.

15 RHL350 FQC
Track adjustments and attachment changes in record time.

16 RHL380 X-trac
Rock-solid stability on any ground.

17 RHL860 XL-trac
Plug and Play.

18 RHL880 XL-trac
Rock-solid giant for demanding port logistics challenges.

19 RHL880 XL-trac
Unloading ships in XL scale: bigger, stronger, better.

Special

20 Pick & Carry
Up and away! Mobile under full load with modular construction.

22 Power Pack
Declaration of independence for electric material handlers.
Always at the top of the metal recycling game

A family business with more than 60 years of tradition behind it, van Dalen Recycling is one of the largest Dutch service providers in the metal recycling and trade industry today. In addition to its headquarters in Moerdijk, the company has additional locations in the Netherlands, Belgium, and Great Britain and processes a good 500,000 tons of metal scrap a year in a dozen shredders and shears. In order to optimize its handling efficiency, van Dalen Recycling acquired a Terex® Fuchs MHL350 and arranged for the Application Center (APC) to raise the unit’s superstructure by 0.8 m with the use of a pylon. “The use of a pylon not only ensures an ideal line of sight when feeding scrap shears or loading high-wall containers with material,” reports the highly satisfied customer. Also important is the fact that, with the exception of the pylon, the machine is exactly the same as its standard counterpart. This means that spare parts are always quickly available, as the use of special-purpose components is minimal. With this clever combination, Terex® Fuchs offers a material handling machine that can be custom configured and that is particularly popular at scrap yards where space is limited or high-wall containers need to be loaded with material.

www.terex-fuchs.com

MHL350 specifications/equipment:

- **Elevated:** A pylon is installed between the undercarriage and superstructure, making it possible to work at an eye level of 6.5 m. This provides operators with a better line of sight when feeding scrap shears or loading high-wall containers with material.
- **High-flyer:** Materials being handled can be lifted further upwards and swung over and beyond obstacles. In addition, piling height limits are increased as well.
- **Clever linkage:** The superstructure’s raised position enables the boom to be lowered further away than with the standard machine, benefitting the machine’s linkage.
- **Proven features:** The machine’s specifications – operating weight of 34 tonnes, reach of 16 m, and engine output of 148 kW – are the same as those of the standard MHL350 model. It also goes without saying that the standard unit’s legendary robustness and durability characterize the special-purpose model as well.
- **Not just for one single customer:** Equipping the standard model with a pylon makes the MHL350 the ideal machine for a number of special requirements, which is why this special-purpose model is used by numerous scrap and recycling businesses throughout the world.

Whether building tall piles of scrap or providing a perfect line of sight into shears and shredders – a pylon provides many advantages.
A tractor and a material handling machine in one single package

With over 16,000 employees worldwide, South Africa-based Sappi Ltd. is one of the world’s leading companies in the pulp and paper industry. For its German location in Alsfeld an der Leine, Sappi ordered a custom timber handling solution from Terex® Fuchs. In close coordination with the customer, the engineers at the Terex® Fuchs Application Center designed a mobile material handling machine based on the MHL350 model that was perfectly tailored to Sappi’s specific needs.

What exactly were these specific needs? The machine not only had to be able to handle timber, but also had to be able to move trailers around the premises, much like a tractor. The resulting machine had the same superstructure as a standard MHL350, but was equipped with a larger undercarriage from the MHL460 model range. In addition, a trailer hitch was installed on the material handling machine so that it could be used as a tractor, and a series of extras were added in order to ensure an ideal level of operator comfort as well. The customer had nothing but praise for the resourcefulness of the specialists at Terex® Fuchs: “The fact that they mostly used standard components means that the machine will be easy to maintain and that we will be able to get spare parts quickly, but they also managed to do this while customizing the machine exactly according to our needs.”

www.terex-fuchs.com

MHL350 HD specifications/equipment:

- **Solid base:** The use of a larger undercarriage gives the material handling machine outstanding stability and a remarkable loading capacity.
- **Optimized for the industry:** The MHL350 HD is equipped with a trailer hitch for timber handling applications. This means it can also be used as a tractor and is able to tow heavy trailers over long distances.
- **Additional operator comfort:** Travel drive feeding valves and pneumatic instead of solid rubber tires maximize operator comfort.
- **Variety of attachments:** A variety of attachments for specific uses are available, such as a log grab with a capacity of 2 m².
- **XXL dimensions:** A reach of up to 16 m, increased load capacities due to the larger undercarriage, and a powerful 148 kW diesel engine establish ideal conditions for a wide variety of applications.
- **Fast and quiet:** Large loads can be positioned with utmost accuracy and precision without jerking and uncontrolled swinging movements.
The Alfa Acciai Group is the industry leader in Italy when it comes to steel recovered from scrap in electric arc furnaces. Scrap handling plays a key role in the group's operations, as it ensures that the necessary feedstock will be supplied and, as a result, keeps production running. When it came to Alfa Acciai's scrap handling operations, the specialists at the Terex® Fuchs Application Center (APC) had to focus on a unique requirement: The customer wanted a highly mobile material handling machine that would be able to perform handling maneuvers without deploying stabilizers when frequently changing from one place to another, thus saving valuable time. Combining the MHL350's superstructure and the next larger undercarriage, i.e., that of the MHL360, resulted in the heavy-duty MHL355 model. This model features an especially large stabilization footprint, which makes it ideal for A) moving small loads without stabilizer pads and B) dealing with heavy-duty operation under heavy loads while supported, both extremely useful characteristics when it comes to scrap handling operations. Finally, an integrated intelligent load management system has enabled the customer to fully exploit the machine's kinematic spectrum, maximizing its material handling efficiency. www.terex-fuchs.com
Operating weight ➤ 35 tonnes (depending on attachment)

Engine ➤ Extremely efficient Tier4i diesel engine (160 kW) recognised for its very low running costs.

Cabin ➤ The operator cabin can be raised on hydraulic struts to the required height. The visibility level at 5.8 m is significantly higher than that on a digger, giving the driver unrivalled line of vision. Armour plate glass gives the cabin optimum protection.

Operating radius ➤ The massive operating radius of up to 16 m means that moving the machine is rarely necessary.

HD undercarriage ➤ The large HD undercarriage provides powerful 4-point support, ensuring maximum stability, even at the furthest point of projection.

Hydraulics ➤ The powerful hydraulics, delivering around 420 l/min, allow the machine to handle shears made by various different manufacturers.

Hydraulic Quick Coupling System OQ100 ➤ On this machine we are using the well tested high quality Oil Quick system. This system is also used by customized Hitachi excavators. Thus the perfect connectivity to a wide range of different attachments is provided.

Automated tool recognition system ➤ All attachments can be changed without leaving the cabin. The MHL355 E BQC is equipped with a fully automated tool recognition system which recognizes the different attachments and adjusts all appropriate parameters – such as e.g. pressure and oil flow – automatically.

Mobility ➤ The mobile undercarriage with solid rubber tyres makes the MHL355 E BQC fast and flexible; speeds of up to 15 km/h [almost 10 mph] can be achieved. Tyres and supports protect the underbody during movement.

Third boom cylinder (HLC) ➤ This feature increases the lifting capacity up to 50%.

Quattro Speed Ventil (optional) ➤ This intelligent speed valve delivers power on demand by activating the third cylinder automatically if needed.
Massive operating range – fantastic visibility.

The MHL355E was developed specifically for operation with scrap shears. It complies with all the advanced safety regulations, such as the armour plate glass driver cabin, for example, which guarantees maximum safety for the operator. The cabin can be raised to create an optimum working environment that enables all processes to be completed efficiently.

A professional test driver commented:
“What a machine! The MHL355E stays stable no matter what you ask it to do. The MHL355E retains its balance perfectly, even with maximum projection – and when fitted with DRS-60 scrap shears. This is a top performer too: high output at a surprisingly low weight. The well thought-out design of the MHL355E is also noticeable when moving around. The MHL355E stays rmly planted on its wheels, no matter what manoeuvre you make. The MHL355E is a robust workhorse. It uses advanced technology to make life that much easier for the operator, and offers clear benefits when it comes to safety.”

Philippe Barbier, product specialist since 2006

www.terex-fuchs.com
MHL365 specifications/equipment:

- **Top position:** In addition to the 1.4 m-high pylon, the cab is raised by an additional 0.5 m, providing an ideal view of the general area and an optimal line of sight into machines when feeding scrap shears (for example).

- **Ready to perform:** With a powerful 186 kW engine, an operating weight of 56 tonnes, and a working radius of up to 18 m, the MHL365 is ideally suited to deal with large handling volumes at scrap yards and recycling centers.

- **Wide support:** The larger undercarriage provides for a high degree of stability even under large loads. Moreover, the fact that the undercarriage is the standard undercarriage belonging to the next larger model range means that spare parts can be quickly procured if necessary.

- **Practical assembly aids:** The clevises on the superstructure enable it to be quickly placed back on the undercarriage with the help of a crane after the 1.4-m pylon is transported as a separate module.

- **Flexible access:** The safe catwalk system (certified by the German Employer’s Liability Insurance Association), which can be provided as a folding system upon request, does not make the machine any wider. This makes it easy to maneuver even when space is highly constrained.

- **Feels natural:** The intuitive joystick steering system makes it easy to carry out handling maneuvers quickly and with laser precision.

With 160 locations worldwide and approximately 2,000 employees, TSR Recycling is one of Europe’s industry leaders in recycling ferrous and non-ferrous metal scrap. This heavy-duty business requires an extremely high degree of efficiency and robustness from its material handling machines – two characteristics that custom configured Terex® Fuchs machines are known for. In order to feed the scrap shears at the company’s Berlin location, TSR Recycling required a specific solution with a particularly high level of stability and an optimum line of sight into the shears. With a larger undercarriage and an operator position that is raised in addition 1.9 m thanks to a pylon and an additional cab elevation system, the MHL365 provided the very features that TSR Recycling needed. The company’s operator can now position extremely large loads quickly and precisely without worrying about the machine’s stability, all while enjoying an excellent view of the work area thanks to the cab’s elevated position. Not surprisingly, the company’s management is extremely happy with the results: Close coordination between the customer, dealer, and the Terex® Fuchs Application Center (APC) ensured that the machine was customized in such a way that every operator’s needs would be met down to the last detail. [www.terex-fuchs.com](http://www.terex-fuchs.com)
Moving large objects requires the right equipment, such as the Terex® Fuchs MHL380 XL mobile material handling machine. The “XL” is no exaggeration—the machine really is extra large in every sense of the word. The unit shown here is being used at a Japanese port primarily to load and unload ships, but its mobility also enables it to handle large loads at different usage locations if necessary. Its immense reach of 22 m, supremely powerful and sensitive hydraulic system, and maximized stability achieved with extra large stabilizer pads make the machine ideal for handling large volumes at equally large premises. “The machine’s mobility, large working radius even when working with large loads, and fast operating cycles with an impressive increase in efficiency are of particular interest to port operators,” explains Thomas Berners, head of the Application Center (APC) at Terex® Fuchs. At the Application Center, where material handling machines are customized in line with each customer’s specific requirements, the MHL380 XL was configured with the exact special-purpose equipment that would enable the customer to achieve an optimal level of productivity. www.terex-fuchs.com
No emissions. High efficiency. And loads of energy.

Electric transport is the way of the future – and that also applies to material handlers in recycling and scrap handling. A powerful yet compact all-rounder, the MHL820 boasts a well thought-out design, now taken to new heights by harnessing the advantages of electric power. With no emissions, low noise levels and very little heat output, this is not just the ideal machine for indoor use – it could give the recycling industry a real boost.

Ease of serviceability is another definite plus.
Terex® | Fuchs has done more than just fit a low-maintenance electric drive; making extensive use of standard components from the diesel range keeps spare parts supply simple – and fast.

www.terex-fuchs.com
ALBA R-plus GmbH is a leading service provider in the field of electronic waste and metal recycling. The company is known for its extensive know-how and expertise, and its clientele includes municipalities, private households, and other companies throughout all of Germany. For years, ALBA has relied on Terex® Fuchs quality mobile material handling machines, which has enabled the company to achieve record levels of efficiency. The company recently decided to acquire an electric drive MHL831 for its operations in Baden-Württemberg in order to replace a diesel engine machine. The unit’s electric drive provides a number of specific advantages, including extremely low noise and heat buildup levels, zero emissions, and extraordinarily smooth running coupled with high levels of performance. The site manager has nothing but good things to say about the machine: “The MHL831 is a compact and powerful material handling machine that we can use in an incredible range of applications. Also impressive is the fact that its characteristics allow us to use it indoors and close to residential areas.”

www.terex-fuchs.com

How to handle electronic waste with zero emissions

MHL831 specifications/equipment:

- **Compact and supercharged:** A 12-m boom, an operating weight of 24 tonnes, and a powerful motor with a total output of 132 kW make the machine a versatile solution for countless applications.

- **Variable output:** In addition to the main motor for the hydraulic system, the MHL831 features separate motors for additional functions. The material handling machine has a remarkable level of energy efficiency due to its ability to adjust its total motor output in line with its actual load demand.

- **Quiet and refined:** Despite its sheer power, the machine only produces minimal noise and barely perceptible vibrations.

- **For indoor and outdoor use:** A zero-emission and low-noise electric drive makes the MHL831 an ideal choice not only for outdoor, but also indoor assignments.

- **Confident handling:** The use of the CAN bus system found in the machine’s diesel engine version pampers operators of the electric model with the series’ usual controls.

- **Familiar standards:** The cover panels, main pump, control valve manifold, and many other parts are identical to those in the standard machines. This ensures straightforward servicing and the usual quick procurement of spare parts.

Quiet and with zero emissions: The MHL831 electric machine makes a compelling case with its clean indoor and outdoor performance.
Rohstoff-Verwertung GmbH, headquartered in Wetzlar, Hesse, is a family business with the rare privilege of being able to boast 100 years of rich history and tradition. Today, the company employs around 20 highly-qualified staff members and is a regional provider of ferrous and non-ferrous metal scrap recycling services. The company's management attaches great importance to quality, efficiency, and resource-conserving practices, which is why it decided to acquire a Terex® Fuchs MHL850 in line with these values. The mobile 34-tonne material handling machine features a powerful electric drive, providing it with a remarkable level of versatility suited to both outdoor and indoor operations. Thanks to its mobile undercarriage and to the fact that it obtains power from a plug-and-socket connection, the machine can move between different locations without a problem. Thomas Berners, head of the Application Center (APC) at Terex® Fuchs, believes that the powerhouse's smooth running is worth mentioning just as much as its agility and powerful torque: “The fact that vibrations and noise have been reduced to an absolute minimum has an extremely beneficial impact on operators and co-workers in the area, as they are better able to concentrate and perform without these fatigue-inducing factors.”

www.terex-fuchs.com
RHL340 specifications/equipment:

- **Ideal configuration:** An operating weight of 32 tonnes, a reach of up to 13.7 m, and a powerful 128 kW turbodiesel engine make the RHL340 a versatile powerhouse for countless applications.

- **Perfect match:** The unit’s undercarriage is not simply a modified excavator undercarriage, but was specifically designed to meet the machine’s unique requirements. This has resulted in an especially large support area and a large working radius even under heavy loads.

- **Simple and sturdy:** The mechanical track adjustment system, which comes as standard, makes it possible to easily switch between the unit’s transportation and working positions. The system is practically maintenance-free and extremely sturdy.

- **Adaptable:** Customers can choose between grouser and flat shoes depending on the characteristics of the ground on which the unit will be operated.

- **Raised position:** The fact that the crawler machine has been equipped with a pylon gives operators a clear line of sight into containers, shredders, and shears and provides an ideal all-around view in challenging working environments.

- **Ergonomic:** An air-conditioned cab, a back-friendly seat, and perfectly laid out controls ensure fatigue-free work.

Industry leaders trust the remarkable efficiency and toughness of Terex® Fuchs material handling machines. Case in point: The SA Metal Group, the largest metal recycling company in South Africa, uses more than a dozen Terex® Fuchs material handling machines on a continuous basis. These include an RHL340, which, with its pylon and crawler undercarriage, combines two configuration highlights from the Terex® Fuchs Application Center (APC) in one single unit. The wide crawler undercarriage distributes the machine’s load across a large support area, making it possible to perform quick handling maneuvers under large loads even on unpaved surfaces. Meanwhile, the unit’s pylon provides an optimal line of sight into high-wall containers, raising the operator’s eye level by a total of 80 cm. The company’s management not only sings the praises of the machines’ characteristic reliability and powerful performance, but also the way they have been perfectly customized at the Application Center: “Thanks to Terex® Fuchs’ flexibility, we are able to configure each machine exactly the way we need to in order to meet our operational requirements at any moment.”

www.terex-fuchs.com
RHL350 FQC

RHL350 FQC specifications/equipment:

- **Highly flexible:** With an operating weight of 38 tonnes, a reach of up to 16 m without the Fuchs Quick Connect system (13 m with the FQC system), and a powerful 148 kW turbodiesel engine, this crawler machine is perfect for a wide variety of scrap handling and recycling tasks.

- **Incredible stability:** The stabilization geometry of the specially designed crawler undercarriage, together with the crawler's triple-grouser shoes, ensures rock-solid stability and safe travel with attached shears.

- **Optionally available:** Mechanical track adjustment for assignments with very large loads and for adjusting the unit's transportation position.

- **Fast attachment times:** The Fuchs Quick Connect system makes it possible to change grabs and shears in no time, and the operator does not need to leave the cab in order to do so.

- **Always fits:** The Fuchs Quick Connect system is compatible with attachments from all shear manufacturers.

- **Clear perspective:** The high-resolution colour display shows all relevant operating statuses in real time and enables operators to react quickly and correctly.

- **Frugality as the key to profit:** Excellent fuel efficiency and long maintenance intervals keep operating costs surprisingly low for such a powerful machine.

Track adjustments and attachment changes in record time

Powerful performance characteristics, compact dimensions, and enormous versatility have made the 350 series of Terex® Fuchs machines an enormously popular choice at scrap yards throughout the world. This is why it came as no surprise when a customer in Belgium ordered an RHL350 FQC with a crawler undercarriage and a Fuchs Quick Connect (FQC) system. The crawler undercarriage’s special stabilization geometry ensures that the unit’s static forces are distributed across the largest possible area so that the ground pressure per square meter exerted by the unit will be minimized. This enables the RHL350 FQC to work with loads even on unpaved surfaces and successfully prevents the machine from sinking. On another note, the special FQC system, which is compatible with attachments from all shear manufacturers, makes lightning-fast attachment changes possible. Thomas Berners, head of the Application Center (APC) at Terex® Fuchs, goes over the specific advantages behind the machine: “The RHL350 FCQ can best showcase its strengths when working in projects that involve dealing with a variety of requirements on large and partially unpaved areas. The reason for this is that the crawler undercarriage will be able to travel over the entire terrain, and operators will be able to change attachments in a matter of seconds when the material being handled changes.”

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For more than 100 years, Bulk Connections has been a reliable constant at the Port of Durban in South Africa. The company, which belongs to the listed Bidvest Group, moves more than three million tonnes of bulk material a year through its port wharf, loading large cargo ships (including Panamax vessels) with goods such as coal, manganese, iron ore, and other raw materials. The sheer magnitude of these operations requires the very best in terms of performance, which is why the company’s management decided on a Terex® Fuchs RHL380 X-trac.

In order to achieve a maximum level of handling efficiency, the machine was modified at the Application Center (APC) so as to meet Bulk Connections’ specific needs. One of these needs was for the machine to be able to pile up raw material as high as possible in order to avoid the need to use additional excavators at different levels – a task that the machine is able to handle perfectly with its 22-m boom. Another was for the unit to be perfectly stable on unpaved ground as well, a requirement met with the machine’s large undercarriage and its especially wide tracks, which ensure that pressure is ideally distributed before being exerted on the ground. In addition, custom special-purpose grabs can hold up to 8m³ of bulk material and achieve 2 to 2.5 loading cycles per minute.

“This equipment, which is perfectly adapted to our operational needs, enables us to handle up to 1,000 tonnes of bulk material per hour,” comments managing director Iain Geldart, who is visibly happy with the results.

www.terex-fuchs.com
CLOSEUP: METAL RECYCLING | RHL860 XL-trac

TEREX® FUCHS

RHL860 XL-trac

Equipped with a 60-m cable reel and a plug-and-socket connection, the RHL860 XL-trac showcases its superlative electric drive performance throughout the entire scrap yard.

RHL860 XL-trac specifications/equipment:

- **Load manager:** The pylon’s pyramidal shape optimally transmits forces into the machine’s base. In addition, the extra-wide undercarriage with optional 800-mm flat shoes makes it possible to handle extremely large loads at a range of up to 18 m.
- **Perfect view:** A second pylon can be mounted on the pylon that is integrated into the undercarriage. This makes it possible to reach eye levels of up to 10 m – providing a perfect line of sight into stationary shears.
- **Easy climb:** The machine’s ergonomic ladder access systems are designed according to the latest state of the art, certified by the German BG-BAU construction employers’ liability insurance association, and ensure quick, safe, and convenient access to the unit.
- **Electrifying power:** With its total output of 184 kW, the 67-tonne machine’s electric drive gets the unit’s high-performance hydraulic system moving quickly whenever necessary.
- **Mobile task force:** A 50-m cable reel extends the machine’s working range. Having plug connections at various points is an easy way to multiply the machine’s locations of use.
- **Tough as nails:** The machine’s structural characteristics, all the way from the undercarriage to the dipperstick, are perfectly adapted to the tough day-to-day work that characterizes recycling and scrap handling operations. Needless to say, so are all of the unit’s other components. This results in maximum sturdiness, ease of maintenance, and durability.

**Plug and play**

TSR, one of Europe’s leading companies in the metal recycling industry, operates a scrap yard in the town of Dillenburg, Germany, where ferrous and non-ferrous metal scrap is handled. For the company, optimum efficiency and the responsible conservation of resources are vital criteria when it comes to material yard operations. Just as important is the fact that each scrap yard is different and has specific key tasks. Customizing a mobile material handling machine in line with each yard’s specific needs therefore results in a significant increase in profitability. This is why the Terex® Fuchs Application Center (APC) Team configured every last detail of the RHL860 XL-trac so that it would be perfectly adapted to the requirements at TSR’s Dillenburg yard. Two pylon elements enable the machine to reach an eye level of up to 10 m without having a negative impact on the unit’s structural integrity. “The large crawler undercarriage and the pyramidal shape of the lower pylon element help distribute the loads optimally across the unit’s entire base,” explains Thomas Berners head of the Application Center at Terex® Fuchs. In addition, the machine’s efficiency is significantly increased by its electric drive, which shines with its low operating costs and minimal maintenance requirements. This has resulted in a powerhouse that is perfectly adapted to TSR’s needs and is able to fully display its strengths at the company’s Dillenburg scrap yard.

www.terex-fuchs.com

Works for you.
Unloading ships in XL scale: bigger, stronger, better.

The RHL880 XL-trac is a giant among material handlers. It manages extremely high loads with ease thanks to its huge support base. This base allows the RHL880 XL-trac to be used reliably even on unpaved surfaces. A solid, 3.30 m tall support is welded in the centre section of the crawler machine, which gives the machine operator a commanding view from 12 m above ground, in particular an unobstructed view of the load.

Feedback from practical experience

“The handling capacity of the RHL880 XL-trac exceeds all expectations. Where efficiency is concerned, it’s setting new standards at ports – not only in terms of time but also of energy consumption. Thanks to its electric drive, the machine requires only minimum maintenance and is easy to move when required, making it always ready to go. The RHL880 XL-trac is extremely reliable, which is a genuine competitive advantage. Its stability is remarkable – though hardly surprising when you consider the steel structure of the undercarriage!”

Ömer Aydin, Aydin Vinc
This machine operates at Kroman Port, Istanbul

www.terex-fuchs.com
CLOSEUP: PORT HANDLING | RHL880 XL-trac

**RHL880 XL-trac**

Unloading ships in XL scale: bigger, stronger, better.

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Ömer Aydin, Aydin Vinc

This machine operates at Kroman Port, Istanbul

www.terex-fuchs.com
Up and away! Mobile under full load with modular construction.

MHL354 Pick&Carry: the clever concept from Terex | Fuchs for exploiting new markets and expanding the application spectrum. The Pick&Carry system combines the best of mobility and versatility.

Lift and go: Pick&Carry quickly transports loads from A to B

Standard machines (MHL350) can only operate in static mode with support outriggers. The MHL354 P&C, on the other hand, is custom designed – from its axles and tyres to the entire undercarriage – to specifically handle heavy loads dynamically. Lifted loads can be transported from A to B with speeds of up to 25 km/h (15 mph), bringing them quickly and safely to where they are needed.

The modular concept: All components designed to fit together perfectly

The modular design of the Pick&Carry system means that the specific requirements of each and every customer can be met in full. Subject to requirements, Terex | Fuchs will use their expertise to decide upon the best possible combination of components that will result in the most practical and efficient operation. For this, a projection of between 8.5 and 18 m is available. The selection of fitted components depends on the material to be handled, e.g. a generator unit with electromagnet for steel and other ferrous metals; a powerful grabber for timber, or a solid load hook for big packs. The cabin, which can be raised, provides perfect visibility for every kind of working environment, such as being able to look into trucks or containers, for example.
CLOSEUP: MOBILITY AND VERSATILITY | PICK & CARRY

www.terex-fuchs.com

Service weight ► 21 to 46 tonnes
Transporting heavy loads ► The Pick&Carry undercarriage with special HD axles and extremely robust tyres allow heavy loads to be moved quickly and securely.
All wheel steering ► All four wheels turn on one axis, resulting in an extremely small turning circle. This tiny turning circle makes the MHL354 P&C highly versatile.
Modular design ► All machine superstructures, loading facilities and cabin systems are compatible with each other and may be combined according to individual customer’s needs.

Big packs on the load hook: Goods are transported quickly and securely with speeds of up to 25 km/h [15 mph].

Grabber in action: Large quantities of timber can be moved in next to no time.

Equipment and performance data at a glance

The multi-talented MHL354 P&C: Powerful, versatile performance

Recycling
The MHL354 P&C can do everything that currently wheeled loaders can do – and much more. Apart from the fast handling of materials, benefits include a greater reach, improved visibility into containers and the option to compress materials through pressure from above.

Movement of materials
Raw materials can be moved quickly and flexibly using the electromagnet. Visibility from cabin to truck is excellent.

Unloading ships
When unloading ships, the MHL354 P&C can do two tasks at the same time. It can unload big packs, for example, and then transport them to the storage area. Its strengths come to the fore when handling goods inside harbour areas.

Timber handling
In sawmills, wood needs to be transported from trucks to storage, and from there to processing machinery later on. The MHL354 P&C makes it easy to move an enormous amount of wood in a remarkably short time.

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Engines ► As well as the Tier3 engines, the highly efficient Tier4i engines are also available.
Joystick control ► The steering wheel has been replaced with a joystick. Steering is via joystick rocker switch control. Drivers keep their hands on the joystick – they can stay in place. This makes working significantly safer and noticeably more efficient.
Support panel ► The MHL354 P&C features a support panel as standard on its rear axle; a similar panel is available as an option for the front axle. The support panel significantly increases the support surface, giving much better service load capacity – for example when loading/unloading trucks.

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Declaration of independence for electric material handlers.

Thanks to the newly developed Power Pack from Terex | Fuchs, users of electric material handlers can now enjoy even greater flexibility. The Power Pack allows Terex | Fuchs electric material handlers to be operated entirely independently of any external electricity supply. This is made possible by an integrated diesel-powered hydraulic unit. This new independence is particularly useful for getting to washing stations or workshops located some distance away, handling breakdowns or transporting the machine on a low-loader for example.

The Power Pack: power, convenience, control
Using a forklift or a chain sling, the Power Pack is easy to mount on all electric material handlers. All the necessary driving functions that are normally controlled from the cab can then be performed via the Power Pack, easily and conveniently by joystick. Just two Power Pack sizes cover the entire range of Terex | Fuchs electric material handlers.

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THE TEAM THAT HELPS YOU MEETING YOUR INDIVIDUAL REQUIREMENTS.

Customer and user requirements have always been a priority for Terex® | Fuchs. This team always goes the extra mile. Each machine can now be tailored to further incorporate and to adapt a number of individual features so that it is fully suited to the user’s requirements. The experienced and resourceful designers and experts within Terex® | Fuchs are happy to work closely with the customer towards finding the ideal configuration, which is then delivered to exacting and proven quality standards.
### MATERIAL HANDLERS FOR DEPLOYMENT AT PORTS, RECYCLING FACILITIES AND SCRAP YARDS: FINEST FACTS AND FIGURES.

#### Mobile

<table>
<thead>
<tr>
<th>Model</th>
<th>MHL250</th>
<th>MHL320</th>
<th>MHL331</th>
<th>MHL334</th>
<th>MHL345</th>
<th>MHL350</th>
<th>MHL355</th>
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<tbody>
<tr>
<td><strong>[kW]</strong></td>
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<td>132</td>
<td>132</td>
<td>132</td>
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<td>8.5–9.0</td>
<td>8.2–10.4</td>
<td>10.7–12.0</td>
<td>10.7–12.0</td>
<td>12.2–13.7</td>
<td>12.2–13.7</td>
<td>14.0–16.0</td>
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<tr>
<td><strong>[ft]</strong></td>
<td>27.9–29.5</td>
<td>26.9–34.1</td>
<td>35.1–39.4</td>
<td>35.1–39.4</td>
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<td>0.4–0.8</td>
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#### Crawler

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<th>Model</th>
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<th>RHL331</th>
<th>RHL335</th>
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<th>RHL345</th>
<th>RHL350</th>
<th>RHL355</th>
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#### Crawler

<table>
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<tr>
<th>Model</th>
<th>MHL330</th>
<th>MHL334</th>
<th>MHL344</th>
<th>MHL354</th>
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<tbody>
<tr>
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<td>186 / 190</td>
<td>114 / 115</td>
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<td><strong>[kW]</strong></td>
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<tr>
<td><strong>[hp]</strong></td>
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<td>246</td>
<td>374</td>
<td>374</td>
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<tr>
<td><strong>[m]</strong></td>
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<td>16.5–19.0</td>
<td>18.5–22.0</td>
<td>18.5–23.0</td>
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<tr>
<td><strong>[ft]</strong></td>
<td>54.1–59.1</td>
<td>54.1–62.3</td>
<td>60.7–72.2</td>
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<td>0.6–1.0</td>
<td>1.0–1.4</td>
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</table>

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