

MOBILE SCREENING AND CRUSHING NZ Stockpile News Review

Dec 2020



 **MSC** **25** YEARS
1995-2020

MOBILE SCREENING & CRUSHING

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"Receiving your new product is just the beginning of your relationship with us. We offer the highest level of customer care and take the time to optimise your equipment to your specific application so you can achieve the highest possible production rates. Once your equipment is installed and running, we remain accessible and are there to support your needs." – **Andy Meikle MSC Director**

MSC has continuously developed its offerings, MSC's portfolio includes:

Terex Evoquip - compact crushing and screening products, developed with focus on easy maintenance, fuel efficiency & ease of transport.

Terex Ecotec - Slow, Medium & High-Speed Shredders, Trommel Screens, Recycling Screens, Waste Handlers and Conveyors.

Lloyd Engineering - Market leading screening buckets.



BUSINESS FEATURE

MSC REACHES A MILESTONE

25 years in business

Mobile Screening and Crushing NZ (MSC) is celebrating 25 years in business. The company was formed in 1995 by director Andy Meikle.

The milestone marks how MSC has grown to become a leading provider of material processing equipment and services, says Andy. Since its formation, MSC has placed more than 260 mobile screening and recycling units throughout New Zealand.

From an early stage, operations focused on high-quality product and the ability to provide customers with crucial hands-on experience forged during the 40 plus years the MSC team has been involved in the industry. This strategy has remained unchanged through the years.

The company has stood the test of time as an established dealership of screening and crushing equipment to the extractive and recycling industries in New Zealand.

"We've always focused on ways to help our client's needs; we pride ourselves on delivering the right solution and after-sales support," says Andy.

For more than 25 years, MSC has developed a reputation for providing solutions for difficult-to-process materials, including aggregates, compost, peat, palm kernel, animal feed, woodchips, soils, bark, asphalt,

and lime. Andy says integrity is at the heart of the company and they are truly passionate about supplying their customers with the right machine.

"Receiving your new product is just the beginning of your relationship with us," he says. "We offer the highest level of customer care and take the time to optimise your equipment to your specific application so you can achieve the highest possible production rates. Once your equipment is installed and running, we remain accessible and are there to support your needs."

MSC remains a New Zealand-owned and operated family business, backed by a team of dedicated industry professionals. A second generation is now heavily involved in the organisation.

Dan Meikle, operations manager, has been with MSC for more than 15 years and runs day-to-day operations as well as being involved in sales and technical support.

"We're open and transparent in all our dealings; we aim to make the customers' life easy and to deliver a positive experience, with reliable equipment," says Dan.

"We train the customer to operate the equipment safely and efficiently and offer our support whenever needed. Our superior products and services enhance customers' productivity, are cost-effective to run, yet

focus on reducing environmental impact."

Andy says they are proud of reaching this milestone. The company's growth has been built by a professional and dedicated team—a testament to MSC's commitment, which has allowed them to continue to provide high-quality services to its customers new and old.

"MSC offers a vast array of highly customisable products ensuring that we offer the exact machine requirement that suits conditions and application," says Andy. "We have continuously developed our offerings. MSC's portfolio today includes:

Terex Evoquip: compact crushing and screening products, developed with a focus on easy maintenance, fuel efficiency, and ease of transport.

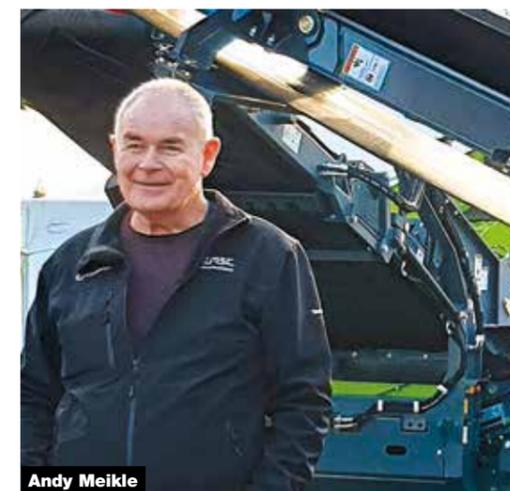
Terex Ecotec: Slow, medium, and high-speed shredders, trommel screens, recycling screens, waste handlers, and conveyors.

Lloyd Engineering: Market-leading screening buckets.

"Thank you to all who have been part of our journey so far. Thank you for your trust and custom to date, and we look forward to continuing to serve our customer base going forward. Here's to many more years of supplying equipment, continued partnerships, and building new friendships." ■



Dan Meikle



Andy Meikle

BUSINESS FEATURE



The Cobra has a standard hopper capacity of 2.6m³

COMPACT WITH IMPACT EVO QUIP COBRA 230R

The EvoQuip Cobra 230R impactor is ideal in a blasted limestone, with 500 minus feed material (depending on customer requirements, feed can go up to 700mm in limestone).

The robust and proven impact crusher chamber, which is currently on-site in the North Island, gives excellent reduction ratio and high consistency of product shape, with optimal crushing conditions.

The Cobra has a standard hopper capacity of 2.6 cubic metre. The machine is fitted with a 2440mm x 1200mm (8' x 4') single deck screen system, which feeds material onto a fines conveyor '1000mm (40") wide belt discharge belt'.

The oversize conveyor can be operated in a recirculating mode, with oversize material being returned to the hopper for further reduction by re-crushing. The afterscreen is fitted with 65mm screen media recirculating back to the crusher.

The Cobra featured here is producing 65mm end product on-specification of

crushed aggregate. The mobile crusher is operating at an engine speed of 1700rpm. The blowbar configuration is 2 half/2 full.

Dan Meikle, MSC operations manager, comments, "We're proud to be part of the dynamic and growing EvoQuip team, working in partnership with them to offer the best solutions for our customers and to growing the EvoQuip brand in New Zealand.

"The control system is simple to operate and set-up time was minimal, enabling us to start crushing quickly. With easy access to the hydraulics, refuelling points, and impact chamber, it makes maintenance and adjustments simple for the operator. The customer feedback on the Cobra 230R has been fantastic, with good, solid results in production, set-up time, and ease of use."

Benefits

- Intuitive control operation with two-button start-up
- Quick set-up time

- Excellent under crusher clearance
- Ease of setting adjustment; no tools required
- Easy to transport (move machine without stopping crusher)
- Compact size
- Ability to lower product conveyor
- Low feed-in height
- Excellent ground-level access to all service points
- Optimal material flow
- Hydraulic adjust and hydraulic overload protection as standard
- Afterscreen system is quick to detach

Specifications

- Output potential: up to 250tph
- Standard hopper capacity: 2.6m³
- Product conveyor: 900mm (W)
- Fines conveyor: 1000mm (48") fines conveyor with 2.5m (8'2") discharge
- Crusher inlet: 860mm x 720mm

The manufacturer says Cobra 230R has been designed with mobility, productivity, transportability, minimal environmental impact, and user-friendliness at its core. It's a versatile and easy-to-use mobile impact crusher that can operate in the most demanding of applications, such as reinforced concrete, recycled asphalt, construction, and demolition waste and natural rock.

The integrated afterscreen system on the Cobra 230R ensures the required product specification is achieved with oversize material either being recirculated back to the crusher or otherwise stockpiled.

This product will enhance productivity, is in stock for sale, or can be hired from the extensive MSC rental fleet. ■



The Cobra 230R is versatile and easy to use



Terex EvoQuip Colt 600 mobile scalping screen

COLT 600 MAKES AN IMPACT WITH TOTAL SOIL



The screen is strong enough to withstand the toughest of applications

SCREENING AND CRUSHING

Mobile Screening and Crushing NZ (MSC) has grown to become a leading provider of material processing equipment and services, the company says.

MSC is a family business providing solutions for more than 25 years. Formed in 1995 by director Andy Meikle, the business is currently being managed by the second generation. Operations manager Dan Meikle runs the day-to-day operations and is involved in sales, hire, parts, and technical support.

The Terex EvoQuip Colt 600 mobile scalping screen is making a significant contribution to New Zealand's gardening and landscaping market, MSC says.

Total Soil Limited is an Auckland-based topsoil supplier who offers a wide range of products from the North Shore to surrounding areas, including West Auckland, the Hibiscus Coast, and Rodney District.

MSC and Total Soil say they have similar goals with commitments to their customers, with Dave Rimmer, director at Total Soil Limited, saying their goal "is to meet the exact requirements of our clients, no matter if they have a residential, domestic or commercial project."

Dan Meikle, operations manager at MSC states they, too, have the same customer service offering commitment, passion, and drive: "We take great pride in our customer service, providing support, delivering customer satisfaction. Our committed team is equipped with the experience, thorough industry, and product knowledge to help assist you, whatever the nature of your enquiry."

"We're dedicated to making your life easier. Whether you're looking to install or commission a single machine or multiple pieces of equipment, our team and technicians are there to support you at every step of the process."

Product range

Incorporated in 2003, Total Soil Ltd says they have a proven and established name in the region for supplying high-quality products for projects big and small. They have supplies for gardens and landscapes, including:

- Screened and unscreened soil
- Fill dirt
- Compost
- Topsoil
- Waikato loam
- Aggregates
- Sand
- Bark
- Potting soil
- Soil, sand, and composite blends—blended on-site

"We pride ourselves in offering fast, efficient service at trade prices, with our team having more than 15 years' experience in the

"I'm happy with the Colt, its product splits, and the overall efficiency of the scalper"

game we know our clients' needs and will not let them down', says Dave.

Suppliers to a wide range of customers

Total Soil provides a service to a wide range of industries. Over the years, their clients have included:

- Domestic clients, needing soil supplies for their yards
- Civil work contractors and commercial developers
- Landscapers and roading companies
- Councils
- Construction companies

Total Soil provides a variety of different types of soils available to suit all individual needs and aim to provide the highest grade domestic and commercial supply around. The client can choose from screened or unscreened topsoil, Waikato loam, compost, or aggregates.

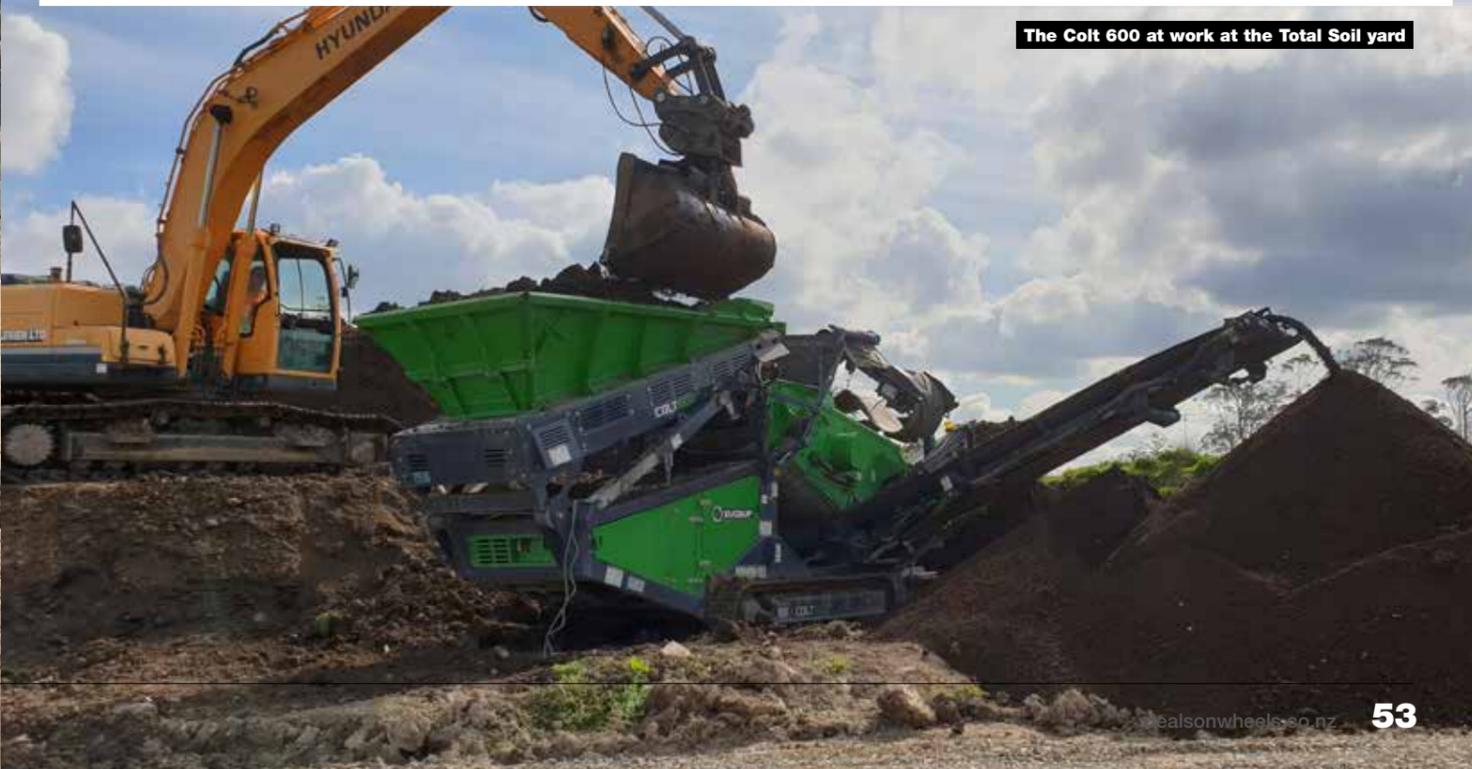
Mobile scalper screen acquisition

Total Soil says that as a result of the commitment to producing the highest quality garden and landscaping products, they have utilised scalper screening gear. The company has for several years screened its materials using screening plant and equipment.

Nine months ago, Dave added the Colt 600 to his fleet of equipment. The Colt has been screening with 100mm punch plate on top, and depending on the specified end products demanded, 14 or 16mm screen media decks are switched between on the bottom.

"I'm happy with the Colt, its product splits, and the overall efficiency of the scalper. I get

The Colt 600 at work at the Total Soil yard



DEMO & RECYCLING

Ecotec Phoenix 1600 Trommel Screen



ECOTEC RIGHT FIT FOR NZ'S RECYCLING MARKET

With significant growth in the recycling market, Mobile Screening and Crushing (MSC) is proud to offer Terex Ecotec's range of processing, biomass, and recycling equipment as part of their product portfolio.

"We've seen significant growth area in New Zealand, as councils are turning their backs on landfill and becoming more recycling focused," says MSC director Andy Meikle.

Terex Ecotec's comprehensive range of shredder, recycling screens, handling equipment, and stacking conveyors aids MSC to offer the complete package solution for medium- to large-scale processing operations.

"We are proud to be exclusive New Zealand agents for the full Terex Ecotec range. This has strengthened our position within the waste sector and we have now established a very strong working relationship with many of the New Zealand's waste recycling companies," says Andy.

TDS 825 Slow Speed Shredder

The Terex Ecotec range of waste shredders include slow, medium, and high speeds. Customisable shredding programs allow operators to configure the machine to their specific requirements.

Hydrostatic drive offers protection against contamination and allows for bi-directional shredding, while independent gearboxes enable each shaft to run separately helping to reduce contaminant wrappage and improve the shredding of material. The shredder features 2.5-metre long shafts made from solid steel, has fully welded tooth configuration, and hydraulic folding hopper extensions, which allow for increased capacity.

"The robust TDS 825 is impressive with extremely high production rate and excellent size reduction. This high-capacity machine is deal for large scale operations," says Dan Meikle, MSC operations manager.

Phoenix 1600 Trommel

The Phoenix 1600 has been designed with ease of site movements and large stockpile heights in mind. Highly versatile, the machine can efficiently screen a variety of material, including topsoil, compost, sand and gravel, wood chip, and C&D waste. Woven mesh or heavy-duty punch plate panels can be fitted to the drum ensuring all application requirements are met

The heavy-duty Phoenix screen can perform in the most difficult applications offering greater flexibility, its manufacturers say, adding that the machine has been innovatively designed to provide excellent fuel efficiency and low operating costs.

Low running rpm reduces emissions and noise levels, making the Phoenix 1600 ideal for urban environments.

The Phoenix 1600 is available in tracked, pintle drawbar, and wheeled configuration.

"The 4.9m x 1.54m drum gives unrivalled production and throughput is guaranteed due to the screening area is largest in its class," says Dan.

"We aim to provide the right machine for our clients' application. These recycling machines provide exceptional screening, efficient production, low operational costs, and ease of maintenance," says Andy.

TTS 620

MSC says the TTS 620 has been their most popular of the Ecotec Trommel Screens due to



TDS 825 Slow Speed Shredder

its highly efficient engine and hydraulic drive system combined with advanced material processing control system offers maximum production with minimum costs.

This trommel screen is ideally suited for screening compost, biomass, soil, gravel, and waste.

"The highly versatile 620 is in a league of its own, with its two-meter drum and swing-out engine cradle gives operators unrestricted ground level access to all service components, making it one of the most user friendly trommels on the market," says Dan.

Features include:

- Minimal change out time for the screening drum—a matter of minutes
- Intelligent feeder control system continually adjusts the feeder speed to optimise screening rates
- Suited for screening compost, biomass, soil, gravel, and waste
- Intuitive push-button control panel allows operator to configure to suit application

Trommel Screens

Designed for maximum productivity, Ecotec trommel screens are highly versatile yet efficient in the separation and processing of a wide range of applications, MSC says.

These heavy-duty recycling screens can perform in the most difficult applications offering operators great flexibility.

MSC's portfolio includes:

Terex Evoquip: Compact crushing and screening products, developed with a focus on easy maintenance, fuel efficiency, and ease of transport.

Terex Ecotec: Slow, medium, and highspeed shredders, trommel screens, recycling screens, waste handlers, and conveyors.

Lloyd Engineering: Market-leading screening buckets. ■

For more information, call 0800 MSC LTD or visit mobilescreening.co.nz.



Four- to nine-tonne bucket, processing 18mm clay based topsoil

IMPRESSIVE PERFORMANCE

Mobile Screening and Crushing NZ (MSC) are a nationwide provider of material processing equipment and services with more than 25 years in business.

As part of their product portfolio, MSC offers market-leading Lloyd Rotastar screening buckets by Lloyd Engineering. Unrivalled performance, durability, and consistency of Lloyd buckets are the reasons why MSC say they continue to be the New Zealand's number-one screening bucket distributor.

"The equipment is impressive in a large range of material, including wet products. Clients often come to us with difficult applications, materials, or sites, and we offer expert advice on the best machinery for their individual requirements," says Andy Meikle, MSC director.

"These buckets fill the gap in the demand for smaller screening unit to process soils, compost, and aggregates that are well priced yet still able to fulfil contractors' requirements for a quality product and throughput rates."

There are seven differently-sized Lloyd Rotastar buckets available, from the smallest RS 2-4 model (two- to four-tonne excavator) right up to the RS 20-30 model (20- to 30-tonne excavator).

Leading advantages

Andy says there are several advantages as to why customers should consider a Lloyd Rotastar screening bucket.

- Carrier weight: three- to 30-tonne excavators
- Output: 10-90 tonnes per hour
- Rugged construction for long life and reliability
- Variable speed control is fitted as standard up to the RS10-20
- Unique rotary material flow, with no pinching or crushing
- Low power requirement and no contamination from crushed material
- Flexible self-cleaning star elements with no chopping; exceptional for screening fragile materials like turf roots and compost
- Massive screening area with replaceable inner panels for machine longevity and shaft end discs for low running costs
- High output and excellent cost effectiveness
- Quiet running
- Light weight, flexible, self-cleaning polyurethane stars
- Uncompromised quality
- Original, unrivalled performance, with unparalleled productivity
- Easy maintenance



There are seven differently-sized Lloyd Rotastar buckets available



The bucket offers a cost-efficient solution for on-site soil screening

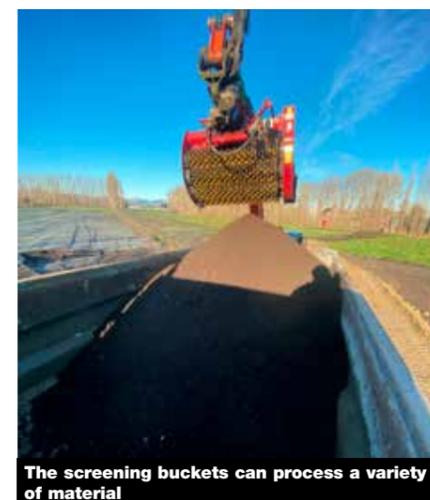
Screens an enormous range of materials

"The buckets process a variety of material suited the client's applications, all with high efficiency," says Dan Meikle, MSC operations manager. The range includes:

- compost
- topsoil
- sandstone
- peat aggregates
- mixed waste
- trench padding
- fine screening



The Lloyd Rotastar screening bucket can be attached directly to excavators



The screening buckets can process a variety of material

Transport, time, cost savings

The Lloyd Rotastar screening bucket can be attached directly to excavators and the material screened on-site and put to immediate re-use. This can save time and money by avoiding landfill and transportation costs.

Happy customers

TBT Earthworks Ltd is a steadily growing family-run and orientated business specialising in but not limited to earthmoving, landscaping, concrete placing as well as demolition and a range of other services in the Christchurch region

"We're delighted with our new screening

bucket. Even with wet soil, she goes very well. It's a great cost-efficient solution for on-site soil screening.

"One machine does it all; no need for the conventional method of one machine and a separate screener, with half the site movement and far more cost-effective result," says Trent O'Neill, director TBT Earthworks Ltd. ■

For more information, call the head office P 0800 MSC LTD. For sales enquiries, contact Andy on 0274 939 098 andy@mobilescreening.co.nz or Dan on 0272 255 838 dan@mobilescreening.co.nz.

"The equipment is impressive in a large range of material, including wet products"



BUSINESS FEATURE



PLANT HIRE SOLUTIONS AND SERVICE

Mobile Screening and Crushing NZ have stood the test of time as an established dealership of equipment to the extractive and recycling industries in New Zealand.

With more than 25 years in operation, MSC says their staff have hands-on experience in processing a wide range of material.

Complete range of hire equipment

Rental machinery is available to cover smaller machine requirements right through to heavy industries: mining, quarrying, roading, industrial, agricultural, recycle, landfill, demolition, and construction.



Matt Stone, hire account manager

Customer satisfaction

MSC says they take pride in delivering the right solution and aftersales support.

“MSC has always focused on ways to help clients’ needs. MSC’s products and services enhance customers’ productivity,” says Andy Meikle, MSC director.

- Other services offered includes:
- Setting up machinery on customer’s site and testing their product application to ensure right sizing and throughput is being achieved
 - Full customer training is given on machines operations and health and safety
 - MSC specialises in hard-to-process materials
 - Available to assist if the customer encounters any problems processing difficult material

Rental offerings

- Modern, well-maintained hire fleet
- Long- and short-term leasing options
- Vast array of highly customisable products, ensuring the exact machine requirement suits conditions and application. ■



Rental machinery is available to cover smaller machine requirements right through to heavy industries

For more information, call 0800 MSC LTD. For hire and sales enquiries, e-mail hire@mobilescreening.co.nz and sales@mobilescreening.co.nz.

HIRE FEATURE

The Colt range offers high-capacity output and accurate separation for screening in various applications



COMPACT MOBILE SCALPING SCREEN PROCESSING SOLUTIONS

Mobile Screening and Crushing (MSC) is the sole New Zealand distributor for the Terex EvoQuip range of equipment and offers a heavy-duty portfolio of mobile scalping screens that utilise high-efficiency vibrating screen boxes.

The Colt range of versatile machines offers high-capacity output and accurate separation for screening in various applications: topsoil, compost, wood, bark, green waste, sand, gravel, aggregates, recycling, construction, and demolition. MSC says these screens are highly efficient at operating in both heavy-duty scalping and precision screening applications.

Productive and profitable equipment

With 25 years of hands-on experience in supplying equipment to the extractive and recycling industries, MSC says they are positioned to supply the right machine for contractors applications and budgets.

- MSC works with clients to ensure optimum volume and tonnages are achieved
- They take pride in delivering the right machine for the clients’ application
- Ensure machines are set up, fine-tuned, and achieving maximum throughput and correct product specification before leaving a client site
- MSC has always focused on ways to help client’s needs
- MSC is open and transparent in all dealings, aiming to make the customers’ life easy and to deliver a positive experience, with outstanding equipment from a leading global brand

Experience

MSC says they are a leading distributor of

mobile screens in New Zealand with in-excess of 270 units sold and working throughout the country. The business offers a tremendous depth of product knowledge and every member of the hire and sales team has vital hands-on experience with operating the equipment in an extensive range of applications.

Productivity

A highly-aggressive screen box is at the heart of these screening plants. The ‘G-Force’ acceleration generated in the Evoquip Colt range enables them to process a wide variety of products with high capacity production. This includes difficult to screen applications that other machines often struggle to process. MSC says they are confident in the performance of the Evoquip Colt scalping screen range and welcome machine demonstrations and site visits (New Zealand wide).

Versatility

The screens are designed for the end user for whom versatility and transportability are of key importance.

- A variety of media solutions mean that the Colt screens are efficient in scalping, including bofor bars, finger screens, woven



The screens are efficient in both heavy-duty scalping and precision screening applications

- mesh, and punch plates. Screening media is also available for processing soft products such as soil, compost, bark, wood chip, etc.
- Robust tracks and chassis ensure excellent on-site positioning and mobility together with operational stability
- Scalping before and after crushing units
- Two- or three-way splitting/stockpiling

Economical

- Cost-effective to run
- Fuel-efficient
- Optimal material flow

Urban environments

The Evoquip ethos is ‘Compact with Impact’, making these machines well suited to urban environments.

- Maintaining a small footprint while achieving versatility and mobility
- Reduced noise levels
- Easy to transport
- Quick set-up time
- Focused on reducing environmental impact
- Exceptional throughput

Serviceability

- User-friendliness is at the heart of the Terex brand. These screens are developed with focus on simplicity.
- Ease of maintenance
- Excellent serviceability access

Offerings

- Stock in New Zealand for sale and hire
- Large rental fleet
- Long-term and short-term hire options
- Lease options available ■

For more information, contact 0800 MSC LTD, sales@mobilescreening.co.nz or hire@mobilescreening.co.nz.



MOBILE SCREENING & CRUSHING

With over 25 years in business, MSC has grown to become a leading provider of material processing equipment and services.

SALES

sales@mobilescreening.co.nz

HIRE

hire@mobilescreening.co.nz

PARTS

parts@mobilescreening.co.nz

0800 MSC LTD

