

SCREENING

McCloskey International mobile screeners are high capacity, heavy duty, versatile machines built based on the industry leading "High Energy" screenbox. With the largest screening areas in their class, McCloskey International’s S-Series and R-Series screeners are designed to give customers high output and durability in the most demanding conditions, and deliver high production across industries.



Specifications	
Engine*	100 hp (74.5kW)
Screenbox Top Deck	3050mm (10') x 1370mm (4.5')
Screenbox Bottom Deck	2440mm (8') x 1370mm (4.5')
Main Conveyor Belt Width	900mm (36")
Stockpile Height Tail Conveyor	3790mm (12' - 5") - Track Model 4100mm (12' - 6") - Wheel Model
Stockpile Height Side Conveyor	4110mm(13' - 6") -Track Model 4420mm(14' - 6") -Wheel Model

*Tier 4. Tier 3 available for LRC only.

Features	
..	3050mm (10') x 1370mm (4.5') Screenbox
..	Open engine bay for easy maintenance
..	900mm (36") main conveyor
..	Steepest screen angle of any 3-way split screening plant on the market
..	Condensed transport dimensions
..	Large, steep-sided hopper for maximum efficiency

S80

HIGHLY PORTABLE SCREENER

The S80 is designed for users who require less capacity than the S130 and S190 models offer, but are not willing to sacrifice the quality features found on the McCloskey S-Range. These features include a High Energy Screenbox, large hopper and large engine bay.

The S80 can employ the steepest screen angle of any three-way-split screening plant currently available, ensuring best-in-class screening ability in materials like sand and peastone.

Users with smaller floats or in areas with strict transport regulations will benefit from the smaller transport dimensions.

S130

HIGH ENERGY TRIPLE DECK & DOUBLE DECK SCREENERS

The McCloskey S130 High Energy Screener is used across a wide range of applications, including aggregate, coal, crusher circuits and wood chips. The S130 is renowned for its fine sand screening and is impressing customers worldwide with its production capacities.

With the S130, you get class-leading S-Range features like the aggressive High Energy Screenbox and user-friendly operation.

Features

- Wedge system for faster screen changes
- 1050mm (42") main conveyor
- 16.52m (54' - 2") hopper option for larger loading shovels
- 4270mm (14') x 1524mm (5') screenbox
- Linkage system for optimal screen coverage
- Used for a multitude of applications
- Optional dual power



Specifications - Double Deck

Engine*	100 hp (97kW)
Screenbox Top Deck	4270mm (14') x 1524mm (5')
Screenbox Bottom Deck	3660mm (12') x 1524mm (5')
Main Conveyor Belt Width	1050mm (42")
Stockpile Height Tail Conveyor	3871mm (12' - 8") - Track Model 4139mm (13' - 7") - Wheel Model
Stockpile Height Side Conveyor	4600mm (15' - 1") - Track Model 4870mm (15' - 11") - Wheel Model

Specifications - Triple Deck

Engine*	100 hp (97kW)
Screenbox Top Deck	4270mm (14') x 1524mm (5')
Screenbox Middle Deck	4270mm (14') x 1524mm (5')
Screenbox Bottom Deck	3660mm (12') x 1524mm (5')
Main Conveyor Belt Width	1050mm (42")
Stockpile Height Tail Conveyor	3871mm (12' - 8") - Track Model 4139mm (13' - 7") - Wheel Model
Stockpile Height Side Conveyor	4600mm (15' - 1") - Track Model 4870mm (15' - 11") - Wheel Model

*Tier 4. Tier 3 available for LRC only.

S190

HIGH PRODUCTION DOUBLE DECK & TRIPLE DECK SCREENERS

Pushing industry performance standards and leading the competition with the most advanced and innovative 6100mm (20') x 1524mm (5') portable vibratory screening plant in production today, the S190 High Energy Screener clearly demonstrates McCloskey's focus on making customer-focused features standard.

Features such as the adjustable screenbox angles allow adaptability to a wide range of material applications including quarrying, mining, sand and gravel, coal screening, topsoil, and woodchip.

Features

- Track or wheeled options
- Most advanced 6100mm x 1524mm (20' x 5') plant in production
- 12' hopper capacity 8.01m³ (10.48 yd³) or 15' hopper capacity 10.01m³ (13.09 yd³)
- 1200mm (48") feed conveyor
- Remote control tipping grid
- 10 minute set up time



Specifications - Double Deck

Engine*	130 hp (98kW)
Screenbox Top Deck	6100mm (20') x 1524mm (5')
Screenbox Bottom Deck	5490mm (18') x 1524mm (5')
Stockpile Height Tail Conveyor	4683mm (15' - 3") - Track Model 4905mm (16' - 1") - Wheel Model
Stockpile Height Side Conveyor	5100mm (16' - 9") - Track Model 5370mm (17' - 7") - Wheel Model

Specifications - Triple Deck

Engine*	130 hp (98kW)
Screenbox Top Deck	6100mm (20') x 1524mm (5')
Screenbox Middle Deck	6100mm (20') x 1524mm (5')
Screenbox Bottom Deck	5490mm (18') x 1524mm (5')
Stockpile Height Tail Conveyor	4683mm (15' - 3") - Track Model 4905mm (16' - 1") - Wheel Model
Stockpile Height Side Conveyor	5100mm (16' - 9") - Track Model 5370mm (17' - 7") - Wheel Model

*Tier 4. Tier 3 available for LRC only.

S250

HIGH ENERGY TRIPLE DECK & DOUBLE DECK SCREENERS

The new McCloskey S250 Screener rises above all industry standards, positioned as one of the world's largest track mobile screeners. The 22 x 6 heavy duty, high energy, 2 bearing triple deck screenbox delivers more true screening area while the 225Hp CAT engine or 218Hp Volvo engine deliver all the power needed for maximum production.

This class leading screening area, along with its high energy screening action, ensure that the McCloskey S250 is the superior choice for aggregate material screening.

Features

- Wedge system for faster screen changes
- 1200 (48") main conveyor
- 6710mm (22') x 1830mm (6') screenbox
- Linkage system for optimal screen coverage
- Used for a multitude of applications
- Optional dual power



Specifications - Double Deck	
Engine*	225Hp (165kw) or 218Hp (97kw)
Screenbox Top Deck	6710mm (22') x 1830mm (6')
Screenbox Bottom Deck	6100mm (20') x 1830mm (6')
Main Conveyor Belt Width	1200mm (48")
Stockpile Height Tail Conveyor	4992mm (16' 4.5")
Stockpile Height Side Conveyor	5389mm (17' 8.5")

*Tier 4. Tier 3 available for LRC only.

Specifications - Triple Deck	
Engine*	225Hp (165kw) or 218Hp (97kw)
Screenbox Top Deck	6710mm (22') x 1830mm (6')
Screenbox Middle Deck	6710mm (22') x 1830mm (6')
Screenbox Bottom Deck	6100mm (20') x 1830mm (6')
Main Conveyor Belt Width	1200mm (48")
Stockpile Height Tail Conveyor	4992mm (16' 4.5")
Stockpile Height Side Conveyor	5389mm (17' 8.5")



Specifications	
Engine*	130 hp (98 kW)
Screenbox Top Deck	2800mm (9') x 1220mm (4')
Screenbox Bottom Deck	2592mm (8.5') x 1220mm (4')
Feed Conveyor Belt Width	1200mm (48")
Stockpile Height Tail Conveyor	3380mm (11' - 1")
Stockpile Height Fines Product Side Conveyor	3560mm (11' - 8")
Stockpile Height Mid Product Side Conveyor	3560mm (11' - 8")

*Tier 4. Tier 3 available for LRC only.

Features

- Oversized product conveyor
- Condensed transport size
- 10 minute set up time
- Direct feed hopper
- Hydraulic folding stockpiling conveyor with heavy duty belt as standard
- Ease-of-access to engine for maintenance and service

R70

HIGH POWER DURABLE SCREENER

The McCloskey R70 delivers the versatile, heavy-duty configuration that is expected of the R-Series screeners, but can be transported easily and economically. The R70 is a perfect entry level machine for contractors that require the ability to tackle large numbers of smaller heavy-duty construction, demolition, and remediation projects.

With a 130 hp (98 kW) engine, the R70 packs a powerful punch for its size with its uncomplicated design focused on high production.

The R70 is built with the durability and screening performance that McCloskey International has built its reputation on, using high-quality components and the innovative McCloskey High Energy Screenbox.

R105

HIGH ENERGY DURABLE SCREENER

The McCloskey R105 screener provides the best solution for operators who don't require the capacity of the larger screener models.

Built around McCloskey International's highly productive High Energy Screenbox, the R105 has all the class leading features of the R-Range, such as high quality components, durability and reliability. Offering the highest stockpile and largest screening area in its class while meeting the European transport regulation width, the R105 represents the most cost effective productivity and quality on the market in a versatile and mobile package.



Specifications	
Engine*	130 hp (98 kW)
Screenbox Top Deck	3660mm (12') x 1370mm (4'-6")
Screenbox Bottom Deck	3455mm (11.4') x 1370mm (4'-6")
Feed Conveyor Belt Width	1200mm (48")
Stockpile Height Tail Conveyor	3450mm (11' - 4")
Stockpile Height Fines Product Side Conveyor	3600mm (11' - 10")
Stockpile Height Mid Product Side Conveyor	3630mm (11' - 11")

Features	
..	Heavy duty high energy 2 bearing screenbox
..	Screen raises for easy access to bottom deck
..	Integrated hydraulic folding stockpiling conveyor with heavy duty belt as standard
..	Direct feed hopper
..	Large open engine bay
..	Travel out fixed walkways
..	Optimal 10 minute set up

*Tier 4. Tier 3 available for LRC only.



R155

HIGH ENERGY DURABLE SCREENER

The McCloskey R155 High Energy Screener is a tough, robust screening tool designed to cope with the heaviest of applications. With the ability to handle some of the worst, untreated construction and demolition waste, the R155 can minimize material pre-handling and provide clean end products.

The R155 and R230 are available with an oversized hopper and an extended tail conveyor. Designed for use with large loaders, the 4575mm (15 ft) hopper is 25% larger, allowing for more material and no spillage. The lower hopper eliminates the need for building platforms on site.

The R155 is highly versatile. With a screening area of 47m² (155 ft²) across the High Energy Screenbox – the largest in its class – the R155 has impressed operators across applications like site reclamation, construction and demolition waste, working with difficult materials such as heavy rock, sticky clay and fines, and boulder clay.

Specifications	
Engine*	130 hp (98 kW)
Screenbox Top Deck	4880mm (16') x 1525mm (5')
Screenbox Bottom Deck	4575mm (15') x 1525mm (5')
Feed Conveyor Belt Width	1400mm (55")
Stockpile Height Tail Conveyor	2770mm (9' - 1") - 3750mm (12' - 3")
Stockpile Height Fines Product Side Conveyor	3470mm (11' - 5") - 3960mm (13')
Stockpile Height Mid Product Side Conveyor	2510mm (8' - 3") - 3600mm (11' - 10")

Features	
..	4880mm x 1525mm (16' x 5') high energy 2 bearing screenbox
..	Large open engine bay
..	Oversized heavy duty belt as standard
..	Direct feed hopper
..	Track mobile
..	Screen raises for easy access to bottom deck
..	Optional dual power

*Tier 4. Tier 3 available for LRC only.

R230

HIGH ENERGY DURABLE SCREENER

The McCloskey R230 High Energy Screener is one of the most robust, durable and powerful heavy-duty mobile screeners at work around the world today. Designed to provide uncompromising production levels to heavy duty scalping operations, the R230 is capable of operating as a stand-alone plant producing finished product, or as a primary scalping component to the very largest of portable crushing spreads.

The R155 and R230 are available with an oversized hopper and an extended tail conveyor. Designed for use with large loaders, the 4575 mm (15') hopper is 25% larger, allowing for more material and no spillage. The lower hopper eliminates the need for building platforms on site.

McCloskey International's powerful High Energy Screener delivers higher outputs and a high-quality screened product with maximum efficiency. The R230 is unequaled in its productivity and versatility.



Specifications	
Engine*	225 hp (168kw)
Screenbox Top Deck	6100mm (20') x 1830mm (6')
Screenbox Bottom Deck	5490mm (18') x 183mm (6')
Feed Conveyor Belt Width	1500mm (60") heavy duty as standard
Stockpile Height Tail Conveyor	3830mm (12' - 6")
Stockpile Height Fines Product Side Conveyor	4100mm (13' - 5.3")
Stockpile Height Mid Product Side Conveyor	3660mm (12')

*Tier 4. Tier 3 available for LRC only.

Features

- Large loading area
- Adjustable flow speed
- 6100mm (20') x 1830mm (6') 2 bearing screenbox
- Direct feed hopper
- Highest product capacity in its class
- 10 minute set up time
- Low Profile Direct Load model available

TROMMEL SCREENING

Since its inception, McCloskey International has been a pioneer in Trommel screener design and innovation including developing a patent for the remote control 180° Radial Stockpiling Conveyor. As the number one trommel manufacturer in North America, McCloskey International has proven performance for screening, material throughput, quality components, and customer focused features.



512

HIGHLY PORTABLE TROMMELS

The 512 trommel provides McCloskey International's customers with the functionality of our highly successful screener line-up with an extended fines conveyor on the 512, radial conveyor on the 512R, or tracked radial conveyor on the 512RT. The 512 trommels are best suited for mid-size operations requiring portability and proven screening performance.

As the top selling mid-size portable trommel in North America, the 512 offers a combination of high production rates, versatility, ease of use and unrivalled strength that has ensured this screener's popularity with top soil producers, contractors, and landscape supply operators.



512A- 512AP Specifications 5th Wheel/Pintle Wheeled

Engine*	74 hp (55 kW)
Drum Size	1520mm (5') x 3660mm (12')
Screening Area	11.8 m² (127 ft²)
Hopper Capacity	3.4 m³ (4.5 yd³)
Fines Conveyor Belt Width	1200mm (48")

*Tier 4. Tier 3 available for LRC only.

512R-512RT Specifications Radial/Tracked Radial

Engine*	74 hp (55 kW)
Drum Size	1520mm (5') x 3660mm (12')
Screening Area	11.8m² (127ft²)
Hopper Capacity	3.4m³ (4.5 yd³)
Fines Conveyor Belt Width	900mm (36")
Radial Stockpile Height	3920mm (12' – 10½")
Radial Conveyor Belt Width	800mm (32")

Features

- .. Wheeled or Tracked mobility
- .. Lifting bars for aggressive screening
- .. Remote control radial conveyor
- .. Large hopper capacity
- .. Hydraulic tipping guard option available
- .. Ground level adjustable brushes to keep the screen clean
- .. Fast set up



516

HIGH PERFORMANCE TROMMELS

As the top selling mid-size portable trommels in North America, the 516s offer a combination of high production rates, versatility, ease of use and unrivalled strength. This has ensured their popularity with topsoil producers, contractors, recycling contractors, and landscape supply operators.

With a quick setup time and high on-site track mobility, the 516s represent high quality and value from the McCloskey trommel range and continue to add to McCloskey's reputation for being the world leader in trommel innovation and design.

516 RT Specifications Tracked Radial

Engine*	100hp (74kw)
Drum Size	1520mm (5') x 4880mm (16')
Screening Area	17.7m² (190 ft²)
Hopper Capacity	5.25 m³ (7 yd³)
Fines Conveyor Belt Width	1200mm (48")
Radial Stockpile Height	3940mm (12'- 11")
Radial Conveyor Belt Width	800mm (32")

*Tier 4. Tier 3 available for LRC only.

516 RE Specifications Wheeled Radial

Engine*	100hp (74kw)
Drum Size	1520mm (5') x 4880mm (16')
Screening Area	17.7 m² (190 ft²)
Hopper Capacity	3.44 m³ (4.5 yd³)
Fines Conveyor Belt Width	1200mm (48")
Radial Stockpile Height	4610mm (15' – 1 ½")
Radial Conveyor Belt Width	750mm (30")

Features

- .. Ground level brushes to keep screen clean
- .. Remote controlled radial coneoyor
- .. Large engine bay
- .. Hopper capacity of up to 5.25 m³ (7.0 yd³) (516RT)
- .. 10 minute set up time
- .. 1520mm x 4880mm (5' X 16') heavy duty trommel drum
- .. Hydraulic Tipping Grid option

621

HIGH PERFORMANCE TROMMEL

With over thirty years of experience, McCloskey International is the world's leading trommel manufacturer and has pioneered trommel design and innovation. Over this time, the 621 Trommel has a proven reliability in construction and demolition, topsoil, compost, waste recycling, and many other large screening applications. With a 174 hp engine, accessible engine bay, and high efficiency diesel hydraulic system the 621 is sure to deliver the maximum operating time.

The 621 Trommel Screener is suited for large heavy duty applications where production rates can reach 200+ TPH in topsoil and sticky material or 300+ TPH in sand and gravel.



Specifications 621 RE Wheeled Radial

Engine*	174 hp (130 kW)
Drum Size	1830mm (6') x 6400mm (21')
Screening Area	27.5 m² (296 ft²)
Hopper Capacity	5 m³ (6.5 yd³)
Fines Conveyor Belt Width	1050mm (42")
Radial Stockpile Height	5110mm (16' – 9")
Radial Conveyor Belt Width	1050mm (42")

Features

- Remote control radial conveyor
- 1830mm (6') x 6400mm (21') heavy duty trommel drum
- Ground level brushes to keep the screen clean
- Drum drive with maximum torque traction and life
- Grizzly option available
- Hydraulic folding oversize conveyor
- 5m³ (6.5 yd³) hopper capacity
- Wheel mobile or track bogie system

*Tier 4. Tier 3 available for LRC only.

628

HIGH PERFORMANCE TROMMEL

The McCloskey 628 Trommel Screener is suited for large heavy-duty applications where production rates can reach 200+ TPH in topsoil and sticky material or 300+ TPH in sand and gravel.

With an 8530mm (6') diameter screen, the 628 Trommel generates a powerful screening action while the 28' long drum ensures the highest quality end product.



Specifications 628 RE Wheeled Radial

Engine*	174 hp (130 kW)
Drum Size	1830mm (6') x 8530mm (28')
Screening Area	34.5 m² (370 ft²)
Hopper Capacity	5 m³ (6.5 yd³)
Fines Conveyor Belt Width	1050mm (42")
Radial Stockpile Height	5130mm (16' – 10")
Radial Conveyor Belt Width	1050mm (42")

Features

- Easy transport site-to-site
- 1050mm (42") radial conveyor
- 1830mm x 8530mm (6' x 28') trommel screen
- Ground level brushes to keep screen clean
- Wheel mobile or track bogie system
- 10 minute set up time

*Tier 4. Tier 3 available for LRC only.

733

HIGH PRODUCTION TROMMEL

The McCloskey 733 trommel screeners are high production machines with a 160° radial fines conveyor and an oversize end conveyor for extensive stockpiling capabilities. The 733 boasts a 225HP engine powering one of the world's highest capacity mobile trommels.

With a 10060mm (33ft) long drum – allowing the material longer time on the screening surface – and a range of drum options, the 733 offers an unrivalled high quality product in a variety of industries including construction and demolition, topsoil, compost, waste recycling, and many other large screening applications.

*Tier 4. Tier 3 available for LRC only.



Specifications	
Engine*	174 hp (130kW) - 225 hp (168 kW)
Drum Size	2130mm (7') x 10060mm (33')
Screening Area	47 m² (510 ft²)
Hopper Capacity	6.9 m³ (9 yd³)
Fines Conveyor Belt Width	1370m (54")
Radial Conveyor Stockpile Height	5090mm (16'-8")
Radial Conveyor Belt Width	1200mm (48")

Features	
••	Ground level engine bay
••	Easy transportation
••	1200mm (48") wide radial conveyor
••	2130mm x 10060mm (7' x 33') trommel screen
••	Ground level brushes to keep screen clean
••	Wheeled mobility
••	10 minute set up time

FEEDING & STACKING

McCloskey's stacking conveyors and feeders provide material stockpiling solutions that maximize the efficiency of mobile screening and crushing plants. Tracked or wheeled, McCloskey conveyors deliver high stockpile capacity and less downtime across every application.

