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# Welcome

Terex Washing Systems (TWS) provides cohesive solutions for all your material and mineral washing needs. TWS is the single provider of washing equipment within Terex and has replaced products previously offered by our Powerscreen and Terex Mobile Processing Equipment (Terex® Finlay) lines. Through this rich long heritage, we have acquired the knowledge and expertise in material and mineral washing to understand and fulfill our customers' needs for meeting today's stringent specifications of clean material.

TWS supports mines, quarries and aggregate producers globally with a broad product portfolio, including; mobile, static and modular washplants, sand screw plants, sand wash and fines recovery plants, log washers, hoppers, feeders, conveyors, dewatering screens, screenboxes, as well as the addition of combination plants and water management systems. This range provides the potential to work in many applications including all forms of concrete, mortar and asphalt sands, frac sands, quarry dust, crushed fines, lake and beach sands, silica sand for the glass industry, golf course sands, dredged material, filter bed sands, recycled materials, coal and iron ore. The TWS portfolio offers excellent reliability, ease of transport and fast onsite installation. TWS is committed to providing outstanding customer support and expertise in the field to meet customers' individual needs through our global dealer network as well as our dedicated team of engineers, applications, sales, marketing and aftersales technicians.

**We are the best choice for meeting today's stringent specifications for clean aggregate because of our:**

- **Unique focus/specialization**
- **Years of expertise from rich heritage of legacy companies**
- **Unmatched range of washing equipment**



# SPECIALIST SOLUTIONS FOR YOU

## LABORATORY TESTING

Terex Washing Systems offers full in-house sample analysis and testing of proposed products. This process allows us to specify the correct screening media apertures so that the customer achieves the desired product size. Sieve analysis is extensively used as a powerful quality control and acceptance tool. The gradation data is used to calculate relationships between various aggregates or aggregate blends, to predict trends during production and to check compliance with such blends.

We also test for many other factors including correct specification of flocculent type, oil / water separation etc.

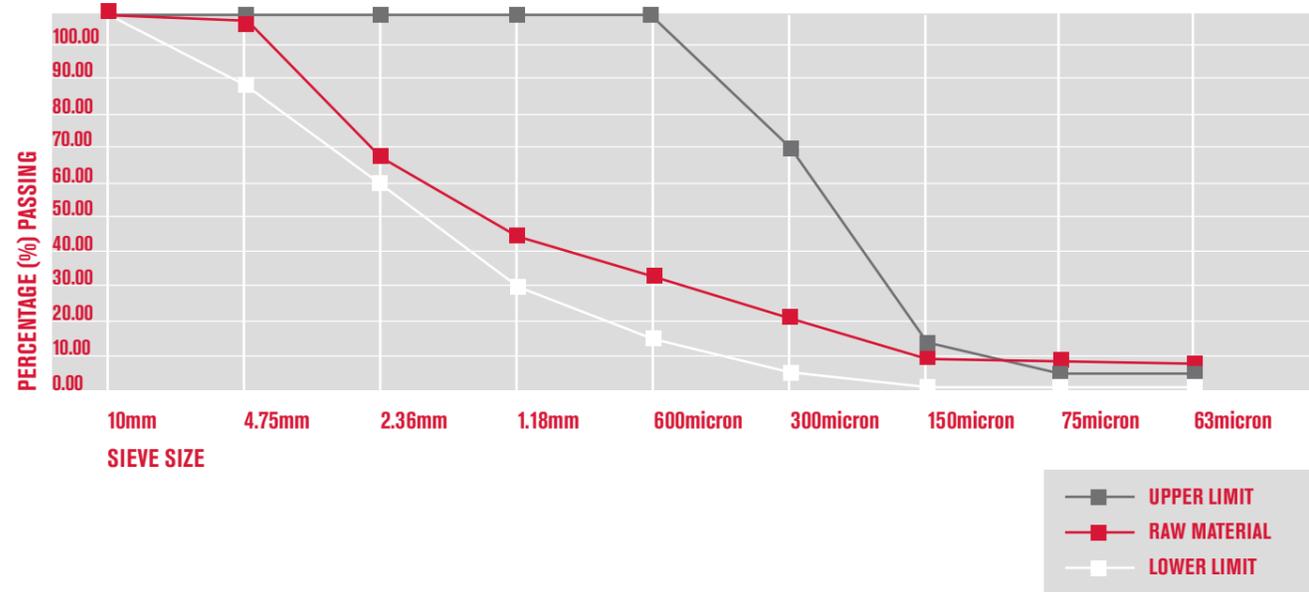
**For further information on your requirements and to discuss your specific application**

**email: [TWS.Applications@terex.com](mailto:TWS.Applications@terex.com)**



Sieve Sample Analyser

## SIEVE ANALYSIS GRADATION DATA



## TRAINING & SUPPORT

Terex Washing Systems offers fully tailored training packages for both dealers and customers alike. This training covers all aspects of our machinery, including basic operational data, correct sizing of screens, pumps, cyclones and full sales and application training.

**For more information on training or to book a training session email: [TWS.Applications@terex.com](mailto:TWS.Applications@terex.com)**



TWS Product Development Forum, Louisville, Kentucky

## CONTROL & AUTOMATION

For some material washplants, simplicity is key. In these cases we provide basic 'relay-logic' control panels to control and protect the main components such as motors, pumps and valves. However, when more advanced plants are required, Terex Washing Systems offers fully automated solutions using Programmable Logic Control Systems (PLC) and Human Machine Interfaces (HMIs). All software and hardware is developed in-house by our electrical systems team using strict design, develop and test procedures to help ensure

systems are developed in line with all relevant safety standards and exceed customers' expectations in terms of ease of use and performance.

Fully integrated radio control and remote telemetry systems are also available to further simplify and enhance the operation of the plant and provide the customer with real-time data such as operational status, active alarms and tonnage per hour.



Automated flocculent dosing unit



Central control panel for typical large wash spread



Local machine control panel



H2 Feeder Control Panel

# MODULAR RANGE

## AggreSand

### KEY FEATURES

- Fully Modular
- Fully Automated
- Radio Controlled
- Containerised Transport
- Pre Wired & Pre Plumbed
- 1 Day Set-Up
- 1 Electrical Connection Point
- 1 Water Connection Point
- Curved chassis
- Quick set-up time
- Plug and play' electrical points
- Gaps in chassis for wash down

- Automated Radial Sand Stockpilers
- 350m<sup>3</sup> (458yds<sup>3</sup>) Stockpile Per Conveyor
- 800m<sup>3</sup> (1046yds<sup>3</sup>) Single Sand

- 3.7m x1.5m (12'x5') DW Screen
- Twin Sand Product
- High Energy Dewatering Screen Delivering Superior Moisture Reduction
- Blending Chute

- 4.9m x 1.5m (16'x5') 3 Deck, 2 Bearing Screen
- Isolated Spraybars
- Polyurethane Decks
- Fully Sealed Catchment Tank Rubber Lined
- Aggregate Blending Chute
- Service Accessible Rolling Chute

- 1000mm (39") Wide Belt
- Integrated Sealed Washbox
- Raisable Head Section For Screen Access

- Advanced Fully Automated Control System With Remote Communication And Radio Control

- Roll-In / Roll-Out Pumps For Easy Maintenance

- Fully Modular 12m<sup>3</sup> (16yds<sup>3</sup>) Capacity Hopper
- Radio Controlled Vibrating & Tipping Grid
- Variable Speed Belt Feeder
- Vibrating Grid Option
- 37kw (50hp) electric hydraulic powerpack



### APPLICATIONS

- Virgin Aggregate
- Manufactured Sand
- Sand & Gravel
- Crushed Rock
- Crusher dust
- Scalpings
- Iron ore
- Other mineral ores
- Construction & Demolition Waste Material

### OPTIONS

- High capacity sand option (200tph)
- Single sand
- 2 deck
- Mesh Decks
- Overband Magnet
- Standard 4" Grid

### SCREEN BOX

	2 SAND, 2 AGG	2 SAND, 3 AGG	1 SAND, 2 AGG	1 SAND, 3 AGG
SCREENING AREA	4.9x1.5m (16'x5')	4.9x1.5m (16'x5')	4.9x1.5m (16'x5')	4.9x1.5m (16'x5')
NUMBER OF DECKS	2	3	2	3
POWER REQUIRED	15kW (20hp)	15kW (20hp)	15kW (20hp)	15kW (20hp)
MOUNTING	Spring	Spring	Spring	Spring
SCREEN BEARINGS	2 bearing	2 bearing	2 bearing	2 bearing
MAX SPRAYBAR WATER THROUGHPUT @ 2 BAR	235m <sup>3</sup> /hr (307yds <sup>3</sup> )	340m <sup>3</sup> /hr (445yds <sup>3</sup> )	235m <sup>3</sup> /hr (307yds <sup>3</sup> )	340m <sup>3</sup> /hr (445yds <sup>3</sup> )

### SAND PLANT

DEWATERING SCREEN	3.7x1.5m (12'x5')	3.7x1.5m (12'x5')	3.7x1.5m (12'x5')	3.7x1.5m (12'x5')
DEWATERING SCREEN POWER REQUIRED	8KW (10HP)	8KW (10HP)	8KW (10HP)	8KW (10HP)
FINES PUMP	150/125 - 15kW	150/125 - 15kW		
COARSE PUMP	200/150 - 22kW	200/150 - 22kW	200/150 - 30kW	200/150 - 30kW

### STOCKPILE CONVEYORS

QUANTITY	4	5	3	4
LENGTH	9.3m (30' 5")	9.3m (30' 5")	9.3m (30' 5")	9.3m (30' 5")
BELT WIDTH	650mm (26")	650mm (26")	650mm (26")	650mm (26")
BELT TYPE	650mm EP315 3 ply plain x 3+1.5 covers	650mm EP315 3 ply plain x 3+1.5 covers	650mm EP315 3 ply plain x 3+1.5 covers	650mm EP315 3 ply plain x 3+1.5 covers
STOCKPILE CAPACITY - SAND	350m <sup>3</sup> (458yds <sup>3</sup> ) (per conveyor)	350m <sup>3</sup> (458yds <sup>3</sup> ) (per conveyor)	800m <sup>3</sup> (1046yds <sup>3</sup> )	800m <sup>3</sup> (1046yds <sup>3</sup> )
STOCKPILE CAPACITY - AGGREGATE	100m <sup>3</sup> (131yds <sup>3</sup> )	100m <sup>3</sup> (131yds <sup>3</sup> )	100m <sup>3</sup> (131yds <sup>3</sup> )	100m <sup>3</sup> (131yds <sup>3</sup> )
POWER REQUIRED	4kW (5hp) x 4	4kW (5hp) x 5	4kW (5hp) x 3	4kW (5hp) x 4
WHEEL DRIVE POWER REQUIREMENTS	0.37kW (0.5hp)	0.37kW (0.5hp)	0.37kW (0.5hp)	0.37kW (0.5hp)

### POWER AND WATER REQUIREMENT

MAXIMUM POWER REQUIREMENT	125.74kW (166.29hp)	128.74kW (172.64hp)	113.37kW (152.03hp)	117.37kW (157.40hp)
AVERAGE WATER REQUIREMENT	250m <sup>3</sup> /hr (327yds <sup>3</sup> /hr)			



# Aggwash

## AW 60-1 / 60-2

The Terex® Aggwash 60-1 and 60-2 are a new modular wash plant that brings together for the first time rinsing, screening, scrubbing and sand washing capabilities on a single transportable chassis.

Primarily designed for the processing of construction and demolition waste but equally suited to virgin material applications. The Aggwash 60-1 / 60-2 is capable of producing four grades of aggregate and up to two grades of sand at up to 70 tonnes per hour.

The Aggwash was Winner of the 2010 World Demolition Awards.

## FEATURES AND BENEFITS

- Rinsing, screening, scrubbing and sand processing on a single transportable chassis
- Produces 4 grades of aggregate and 1 - 2 grades of sand at up to 70tph
- Fully modular, pre wired and pre plumbed
- Removal of trash and ferrous metals
- Fully electrically powered, complete with PLC control panel
- Heavy duty robust construction, ideal for rugged operating environments
- Quick set-up time (approximately 1 day)
- Remote greasing to all bearings
- Environmentally friendly with zero exhaust emissions
- Modular polyurethane screen decks
- Spray bars with wide jet nozzles
- Spray bars isolated from screen
- Feed height 5.0m (16' 4")
- High performance vibratory motors
- Rubber lined pump and cyclone
- Low water usage 150m cubed/Hr
- Adjustable logwasher hull angle and weirs

## OTHER MACHINE OPTIONS

- Modular Pre-screen with integral protection deck & wash box
- Modular 2 deck sizing screen
- Telescopic stockpile conveyors
- Over band magnet

## OTHER MEDIA OPTIONS

- Various polyurethane modular mats apertures available
- Powerscrub: Interchangeable blades & paddles

## WATER CONSUMPTION

- Min - 100 m<sup>3</sup> per hour
- Max - 190 m<sup>3</sup> per hour

## AGGWASH 60-1

OUTPUT POTENTIAL	Up to 70tph (78 UStph)
WEIGHT (EST)	28,600kgs (63,100lbs)
WORKING WIDTH	2.7m (8'8")
WORKING LENGTH	16.2m (53'3")
WORKING HEIGHT	3.63m (11'4")

## AGGWASH 60-2

OUTPUT POTENTIAL	Up to 60tph (67 UStph)
WEIGHT (EST)	29,000kgs (63,930lbs)
WORKING WIDTH	2.7m (8'8")
WORKING LENGTH	16.2m (53'3")
WORKING HEIGHT	3.63m (11'4")



# MOBILE RANGE

## WASHPLANTS

The M Range are track mounted, fully mobile screens complete with on board side conveyors. Designed to work with the Terex Washing Systems range of equipment independently or as part of an entire plant. Ideal for short to medium term projects, the M range provides various options capable of producing up to 5 products, resulting in the most flexible units on the market.

# M 084 Washplant

The Terex® M 084 Washplant is an excellent entry level mobile screening unit that is highly robust yet compact and easily manoeuvrable.

The M 084 Washplant includes a feed hopper complete with reject grid, feed conveyor, washing screen and fully enclosed power unit. The straightforward proven design ensures low maintenance, low running costs and trouble free operation.

## SAND SCREW PLANTS

Terex washing systems also offer a range of sand screw options to fit your needs. (Page 12 & 13) The screens range in size from 5' x 16' to 6' x 20', and are teamed with single or twin dewatering screws. The screens are outfitted with strategically placed nozzles to scrub materials clean. High capacity dewatering screws deliver the fine aggregates while chutes and cross conveyors deliver the sized products. The portable chassis design is easy to transport to the desired site and easy to set up.

## FEATURES AND BENEFITS

- 2 deck 8' x 4' (2.4m x 1.2m) side tensioned screen
- Feed hopper with reject grid
- Feed conveyor
- Washing screen
- Fully enclosed power unit
- 5 spray bars per deck
- Variable speed control belt feeder
- 100mm (4") water feed pipe
- Hydraulic coupling circuit
- Excellent mobility with fifth wheel, jacking legs, road wheels, brakes
- Manual tipping grid complete with bofar steel bars
- Wash box with 5 nozzle spray bar and wear plate
- Feed conveyor belt scraper
- Transported in 1 40" (12m) container

## OPTIONS

- Remote control tipping grid
- Adjustable hopper door
- 3 deck rinser (side tensioned screenbox)
- Hopper extension 300mm (12") / 500mm (20")
- Anti roll back
- Steel skirting plates
- Electric hydraulic
- Hydraulic oil cooler
- Hydraulic screen angle adjustment
- Screen walkway and access ladder
- 25mm Aluback rubber lining in washbox
- Sealed pipes with bonded rubber lining
- Rubber lined discharge lips
- Polyurethane modular decks
- Catchbox

## M 084

MODEL OPTION	2 & 3 DECK
WORKING LENGTH	19.9m (63'2")
WORKING WIDTH	2.3m (7'10")
WORKING HEIGHT	5.5m (18'4")
GRID AREA	1.6m x 3.0m (5' 3" x 10')
APPROX. WEIGHT	8,900kg (9.81lbs)
HOPPER CAPACITY	5.3m (6.95 <sup>m</sup> )
HYDRAULIC SYSTEM CAPACITY	182 litres (40 gals)
DIESEL TANK CAPACITY	73 litres (16 gals)
ENGINE SIZE	37kW (50hp)



## MOBILE RANGE

# M 390 Washplant

The Terex® M 390 Washplant is a high capacity mobile washing unit that has been engineered for quick installation and ease of relocation making it ideal for applications including sand, gravel, coal and crushed stone. The M 390 Rinser includes a feed hopper complete with reject grid, feed conveyor, washing screen, fully enclosed power unit, twin break and suspended axles, hydraulic jacking legs, king pin towing facility and site drawbar.

## FEATURES AND BENEFITS

- Deutz air-cooled engine (71hp/53kW)
- 1 x T 150 / T 200 and 2 x T 5032 stockpiler drive facility (NOT Standard on Electric/Hydraulic Machines)
- 1050mm wide variable speed belt feeder (no deflector doors fitted)
- 8.0m hopper (10.5cu. yards) -14'
- 100mm remote control hydraulic tipping reject grid 4.25m (14') complete with grouser bars
- 3.7m x 1.5m (12' x 5') double deck washing screen (12' x 5' on both decks)
- Washbox complete with 5 adjustable water jets at main conveyor discharge
- Total 17 washing spray bars fitted to both decks
- Screen box reject chutes lined with replaceable steel liners
- Sand water collection hopper (single product) complete with 6m standard open troughing
- 1m (3'3") wide main belt
- Polyurethane teardrop profile belt scraper fitted at drive drum
- Skirting on main conveyor & steel water supply pipe up one side
- Twin braked and suspended axles
- Hydraulic jacking legs, King pin towing facility & site drawbar
- Guards designed to comply with Machinery Directive
- Rated @ 2 bar pressure at spray nozzles
- 2 deck machine can be transported Ro-Ro. 3 deck machine requires the screenbox to be transported separately

## OPTIONS

- Electric/hydraulic drive - (37kW) (No coupling facility) (not including electric control panel)
- Electric/hydraulic drive - (37kW + 18.5kW) complete with 1 x T 150 / T 200, 2 x TC 5032 stockpiler drive facility (not including electric control panel)
- Deutz Water Cooled Engine (100hp/75kW) complete with 1 x T 150 / T 200 and 4 x stockpiler drive facility
- No grid but hopper deadplate fitted
- 4" double deck vibrating grid complete with abrasion resistant plate on wear surface of T Bars top deck and mesh in bottom deck and Deutz water cooled engine (100hp/75kW)
- 20mm thick rubber lining of standard stone chute (price per deck)
- 6mm thick rubber lined sand box (single product)
- Side tensioned rubber mats top deck of screen
- End tensioned rubber mats bottom deck of screen
- End tensioned rubber mats middle deck of screen (3 deck only)
- Hydraulic tensioning (bottom deck screen mesh)
- 3-deck screen box (3.7m x 1.5m - 12' x 5') complete with spray bars & chutes (may be separate load)
- Catwalk on 1 x side of std conveyor and 2 x side of screen box with 1 set of access steps and 1 access ladder
- Catwalk 2 sides of standard conveyor & 2 sides of screenbox with 2 sets of access steps
- 3.2m extension on main conveyor
- Dust covers on main belt
- Light board
- Hydraulic jacking legs at screen box end
- Twin product sand box (unlined/lined)
- Fresh water 6" in line strainer "Y" type
- Top Deck Polymodule Frame complete with Polymodules (Price dependent on aperture)
- Middle Deck Polymodule Frame complete with Polymodules (3-Deck Only) (Price dependent on aperture)
- Bottom Deck Polymodule Frame complete with Polymodules (Price dependent on aperture)

## M 390

MODEL OPTION	2 & 3 DECK
SCREENSIZE	12'x5' (3.7m x 1.5m) Top & Bottom Deck Screenbox
NET ENGINE POWER	53kW @ 2300rpm (71hp)
OPERATING WEIGHT	18000kgs* (39700lbs*) *With tipping grid
TRANSPORT WIDTH	2.5m (8'2")
TRANSPORT LENGTH	12.9m (42'4")
TRANSPORT HEIGHT	4.35m (14'3")
WORKING WIDTH	2.50m (8'2")
WORKING LENGTH	20.37m (66'10")
WORKING HEIGHT	6.25m (20'6")



## M 1700 Washplant

The Terex® M 1700 Washplant is a mid-sized mobile washing plant complete with on board hydraulically folding side conveyors for up to 5 way splitting of material in applications such as coal, crushed stone, recycled materials, iron ore, sand and gravel.

The M 1700 Washplant can work independently or as part of an entire wash plant, making it one of the most flexible

### FEATURES AND BENEFITS

- High capacity (depends on mesh sizes and material type)
- Quick set up time typically under 15 minutes
- Excellent mobility with heavy duty, low ground pressure crawler tracks
- Removable heavy duty pendant remote control system
- Optional radio control system available
- High performance hydraulic system
- Angle adjustable tipping grid with radio control double acting tipping grid rams
- Optional low profile single or double deck vibrating grid option with remote control tipping. Angle adjustable and fully riveted construction
- Aggregate washing
- Split bottom deck to produce two grades of sand
- Hydraulic folding conveyors
- Hydraulic screen angle adjustment
- Screen walkway and access ladder

### OPTIONS

- 2 or 3 deck
- 12ft 2 deck vibrating grid
- Vibrating grid discharge chute
- Crusher feed chute
- Anti-roll back on main conveyor
- Extended re-circulation oversize auxiliary conveyor
- Dual power (can be operated electrically)
- Quick release wedge screen tensioning system for top and middle deck
- Bonded rubber wearplate in washbox
- Sealed pipes with bonded rubber lining
- 14' x 5' single or twin grade catchboxes
- Rubber screens
- Wheel or track mobile
- Roll-in bogie prepared
- Roll-in bogie equipped
- Radio control tracks
- Prepared TUV chassis
- Auto lubrication system
- Dry screen tail conveyor

### M 1700 WASHPLANT

MODEL OPTION	TRACK (2 & 3 DECK)	WHEEL (2 & 3 DECK)
TRANSPORT LENGTH	15.5m (54' 1")	16.3m (53' 6")
TRANSPORT WIDTH	3m (9' 9")	2.7m (8' 11")
TRANSPORT HEIGHT	3.5m (11' 6")	3.8m (12' 5")
WORKING LENGTH	14.7m (48' 2")	14.7m (48' 2")
WORKING WIDTH	17.32m (56' 9")	17.3m (56' 8")
WORKING HEIGHT	5.37m (17' 8")	5.7m (18' 11")



## MOBILE RANGE

# M 1400 Washplant

The Terex® M 1400 Washplant is a mid-sized track mobile washing screen complete with on board side conveyors for 3 or 4 way splitting of material in applications such as coal, crushed stone, recycled materials, iron ore, sand and gravel.

The M 1400 Washplant can work independently or as part of an entire wash plant, making it one of the most flexible machines on the market.

## FEATURES AND BENEFITS

- High capacity (depending on mesh sizes and material type)
- Quick set up time typically under 15 minutes
- Excellent mobility with heavy duty, low ground pressure crawler tracks (track)
- Approved braking axles, spring suspension, mudguards and 235/65/r17.5 Dual road wheels (wheel)
- Removable heavy duty pendant remote control system (track)
- Optional radio control system available if required at extra cost (track)
- High performance hydraulic system
- Angle adjustable tipping grid with radio control double acting tipping grid rams
- Low profile single or double deck vibrating grid option with remote control tipping. Angle adjustable and fully riveted construction

## M 1400 WASHPLANT

MODEL OPTION	TRACK	WHEEL
TRANSPORT WIDTH	2.75m (9')	2.75m (9')
TRANSPORT LENGTH	14.1m (46' 3")	15.4m (50' 6")
TRANSPORT HEIGHT	3.2m (10' 6")	3.9m (13' 1")
WORKING WIDTH	16.2m (53' 2")	16.2m (53' 2")
WORKING LENGTH	13.8m (45' 5")	14.7m (46' 6")
WORKING HEIGHT	4.73m (15' 8")	5.06m (16' 7")
SCREEN UNIT	4 - bearing 3.3m x 1.5m (11' x 5')	
POWER UNIT	Diesel Hydraulic 75kW(100hp)@2200rpm	
TOTAL WEIGHT (VIBRATING GRID OPTION)	28,660kg (63,052lbs)	25,220kg (55,484lbs)

## OPTIONS

- Crusher feed chute
- Anti-roll back on main conveyor
- Vibrating grid
- Vibrating grid discharge chute
- Dual power (can be operated electrically)
- Quick release wedge screen tensioning system
- 25mm aluback wearplate in washbox
- Sealed pipes with bonded rubber lining
- 11' x 5' single or twin grade catchbox
- Wheel or track mobile
- Roll-in bogie prepared
- Roll-in bogie equipped
- Abs braking axle with leaf spring suspension and handbrake
- Radio controlled tracks
- Prepared tuv chassis
- Auto lubrication system
- Hydraulic screen tensioning
- Dry screen tail conveyor
- Single or double deck vibrating grizzly
- Single shaft, flail type shredder
- Wheel bogie for track machine
- Hydraulic jacking legs

# M 2100 Washplant

The Terex® M 2100 Washplant is designed for medium to large scale operations that require large volumes of high specification products. With on board side conveyors, the M 2100 Washplant can produce up to 5 end products in applications including coal, iron ore, crushed stone, recycled materials, sand and gravel. Additional features include class leading stockpile discharge heights and hydraulic screen angle adjustment.

## FEATURES & BENEFITS

- High capacity (depending on mesh sizes and material type)
- Quick set up time typically under 15 minutes
- Excellent mobility with heavy duty, low ground pressure crawler tracks
- Optional tri-axle bogie system allows the track machine to be transported without the need for a low loader
- Removable heavy duty pendant remote control system
- Optional radio control system available if required at extra cost
- High performance hydraulic system
- Angle adjustable tipping grid with radio control double acting tipping grid rams
- Low profile single and double deck vibrating grid option with remote control tipping. Angle adjustable and fully riveted construction

## OPTIONS

- 12ft, 2 deck vibrating grid
- Extended re-circulation oversize auxiliary conveyor
- Dual power (can be operated electrically)
- Quick release wedge screen tensioning
- Bonded rubber wearplate in washbox
- Sealed pipes with bonded rubber lining
- 18' X 5' single or twin grade catchbox
- Rubber screens
- Roll-in bogie prepared
- Roll-in bogie equipped
- Radio control tracks
- Prepared tuv chassis
- Auto lubrication system
- Hydraulic screen tensioning
- Dry screen tail conveyor
- Single or double deck vibrating grizzly
- Single shaft, flail type shredder
- Wheel bogie for track machine
- Hydraulic jacking legs

## M 2100 WASHPLANT

MODEL OPTION	TRACK (2 & 3 DECK)
TRANSPORT LENGTH	16.9m (55' 8")
TRANSPORT WIDTH	2.9m (9' 7")
TRANSPORT HEIGHT	3.5m (11' 5")
WORKING LENGTH	16.5m (54' 4")
WORKING WIDTH	18.2m (59' 9")
WORKING HEIGHT 3 DECK	5.9m (19' 4")
WORKING HEIGHT 2 DECK	5.8m (19')
HOPPER CAPACITY	8.0m <sup>3</sup>
SCREEN UNIT	3 deck, oil filled, 2 bearing system Top & middle deck - 6.1m x 1.55m (20' x 5') Bottom deck - 5.55m x 1.5m (18' x 5')
POWER UNIT	97kW (130hp) @ 2200rpm
TOTAL WEIGHT	37,200kg (41 US ton)
TOTAL WEIGHT (VIBRATING GRID)	39,450kg (44 US ton)



## MOBILE RANGE SAND SCREW PLANTS

The screens range in size from 5' x 16' to 6' x 20', and are teamed with single or twin dewatering screws. The screens are outfitted with strategically placed nozzles to rinse materials clean. High capacity dewatering screws deliver the fine aggregates while chutes and cross conveyors deliver the sized products. The portable chassis design is easy to transport to the desired site and easy to set up.

### M 165S

#### FEATURES AND BENEFITS

- 16' x 5' (4.9m x 1.5m) portable incline screen with single screw wash plant
- 16' x 5' (4.9m x 1.5m) triple deck inclined two bearing screen
- Double axle suspension portable chassis using heavy-duty I-beam construction with four cribbing support legs and two manual landing jacks
- Under-screen fines collection flume with water spray system on all screen decks, flume and washout
- Heavy duty single 36" x 25' screw
- Manifold with valves and hoses
- Heavy duty discharge chute including a top deck over chute with discharge to the front of the plant; middle deck chute discharging to the side and bottom deck chute discharging to the opposite side
- Walkway access around three sides of the screen

### M 165S

TRAVEL WIDTH	3.4m (11')
TOTAL WEIGHT	49,000 lbs
KING PIN WEIGHT	13,500 lbs
TANDEM SUSPENSION WEIGHT	35,500 lbs

### M 166S

#### FEATURES AND BENEFITS

- 16' x 6' (4.9m x 1.8m) portable incline screen with twin screw wash plant
- 16' x 6' (4.9m x 1.8m) triple deck inclined two bearing screen
- Double axle suspension portable chassis using heavy-duty I-beam construction with four cribbing support legs and two manual landing jacks
- Under-screen fines collection flume with water spray system on all screen decks, flume and washout
- Heavy duty twin 36" x 25' screw
- Manifold with valves and hoses
- Heavy duty discharge chute including a top deck over chute with discharge to the front of the plant; middle deck chute discharging to the side and bottom deck chute discharging to the opposite side
- Walkway access around three sides of the screen

### M 166S

TRAVEL WIDTH	3.6m (11'10")
TOTAL WEIGHT	57,000 lbs
KINGPIN WEIGHT	20,000 lbs
WEIGHT AT AXLES	37,000 lbs



M 166S Sand Screw Plant

### M 206S

#### FEATURES AND BENEFITS

- 20' x 6' (6m x 1.8m) portable horizontal twin screw wash plant
- 20' x 6' (6m x 1.8m) triple shaft horizontal three deck screen with complete spray system
- Triple axle suspension portable chassis using heavy-duty I-beam construction with four cribbing support legs and two manual landing jacks
- Under-screen fines collection flume with splash-type spray system on all decks, flume and washout
- Heavy duty twin 36" x 25' screws
- Hinged slurry box with spray bar, manifold, valves and hoses
- Heavy duty discharge chute including a top deck over chute with discharge to the front of the plant; middle deck chute discharging to the side and bottom deck chute discharging to a 24" cross conveyor
- Optional 24" cross conveyor is available for the middle deck
- Walkway access around three sides of the screen
- Optional electrical switchgear is available

### M 206S

TRAVEL HEIGHT	4.5m (14'8")
TRAVEL WIDTH	4m (13'1")
TRAVEL LENGTH	14.2m (46'6")
KING PIN WEIGHT	22,750 lbs
TRI-AXLE SUSPENSION WEIGHT	46,000 lbs
TOTAL WEIGHT	69,750 lbs

## SAND SCREWS

Single and twin screw options for fines washing, classifying and dewatering materials.

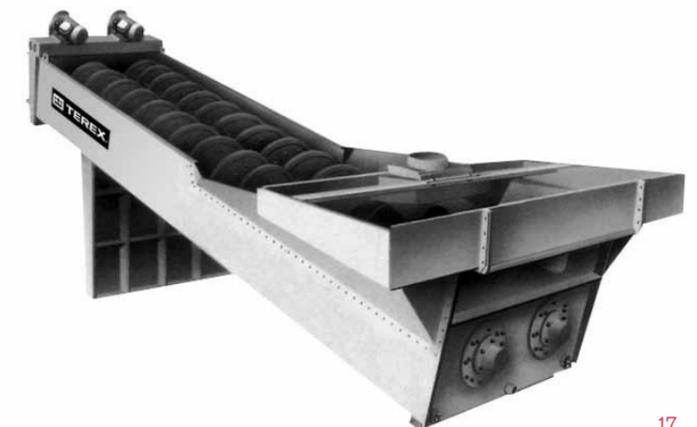
### SW 100 / SW 200

#### FEATURES AND BENEFITS

The The Terex® SW 100 Sandscrew is a single screw fine material washer/classifier/dewaterer. The recommended maximum material size is 3/8" (10mm). The approximate capacity of the SW 100 Sandscrew is 50-100 TPH.

The The Terex® SW 200 is a twin screw fine material washer/classifier/dewaterer. The recommended maximum material size is 3/8" (10mm). The approximate capacity of the SW 200 Sandscrew is 100-200 TPH.

	SW 100	SW 200
CAPACITY	50-100tph	100-200tph
MAXIMUM FEED SIZE	3/8" (10mm)	3/8" (10mm)
WATER REQUIRED	180-700 GPM (25 PSI)	350-1250 GPM (25 PSI)
SCREW DIAMETER	0.9m (36")	0.9m (36")
TUB LENGTH	7.6m (25')	7.6m (25')
SCREW SPEED	21rpm	21rpm
MOTOR RECOMMENDATION	15hp/1800rpm	2 x 15hp/1800rpm
DRIVE SHEAVE	3B-60	3B-60
V BELTS	(3), B98	2 x (3) B98
WEIGHT OF WASHER	14,500lbs	25,500lbs
LOADED WEIGHT	31,400lbs	61,800lbs
SLOPE OF MACHINE	18°	18°



# CYCLONE RANGE

## FM Bucket Wheel

### FM 60 BW / FM 120 BW / FM 200 BW

The Terex® FM Bucket Wheel range of sand classification systems are highly efficient dewatering units.

The unit removes silts, slimes and clays from sand to produce up to 2 saleable products in applications including concrete, mortar and asphalt sands, quarry dust/crushed fines, lake and beach sands, silica sand, golf course sands, filter bed sands, recycled materials and iron ore.

The range combines a dewatering bucket wheel(s), a centrifugal slurry pump, hydrocyclone(s), a collection tank and a dewatering screen on a single chassis.

### FEATURES AND BENEFITS

- Heavy-duty robust construction ideal for rugged operating environments
  - Low maintenance
  - All wear areas rubber lined
  - Walkway and access ladder
  - Quick assembly time
  - Breaks down into one 40' (12m) container (FM 60 BW only)
- Underflow rubber lined slurry pump
  - Bucket wheel(s) with variable speed control
  - Rubber lined hydrocyclone(s)
  - Self regulating cyclone tank
  - High frequency dewatering screen fitted with polyurethane modular mats
  - Two grades of sand (except FM 60 BW)
  - Weir discharge system which reduces the volume of fines entering the Cyclone collection tank
  - Collapsible bucket wheel tank for easy transport (mobile only)
  - Bucket wheel performs 80-90% of the work. This helps reduce the pump and cyclone size and wear
  - Reduced pump and cyclone wear
  - Reduced overall power requirements
  - Reduced running costs
  - Maximum recovery of material above 75µm (200 mesh)
  - Removes silt, slimes and clays below 75µm (200 mesh)
  - Removes water following dewatering operation to 10–15% of residual water content
  - Major reduction in saleable material discharging to the pond, thus reducing pond maintenance and saving money

### OPTIONS

- Boiler box for dry feed
- Electrical control panel
- Dewatering screen spray bars
- Galvanised structure
- Adjustable blending chute (except FM 60 BW)



### FM 60 BW

WORKING LENGTH	6.90m (22'6")
WORKING WIDTH (INC WALKWAY)	4.30m (14' 1")
WORKING HEIGHT	5.50m (18')
FEED HEIGHT	2.30m (7'5")
PRODUCT DISCHARGE HEIGHT	1.26m (4'2")
WASTE WATER DISCHARGE	1.50m (5')
TOTAL WEIGHT (EMPTY)	8000kg (18000lb)
TOTAL WEIGHT (WORKING)	15000kg (33000lb)

### FM 120 BW STATIC

WORKING LENGTH	7.80m (22'6")
WORKING WIDTH (INC WALKWAY)	4.4m (14'4")
WORKING HEIGHT	5.35m (17'5")
FEED HEIGHT	2.30m (7'5")
PRODUCT DISCHARGE	1.26m (4'2")
WASTE WATER DISCHARGE	0.81m (2' 9")
TOTAL WEIGHT (EMPTY)	15000kg (33000lb)
TOTAL WEIGHT (WORKING)	22800kg (50000lb)

### FM 120 BW MOBILE

WORKING LENGTH	9.03m ( 30'5")
WORKING WIDTH	2.80m (9')
WORKING HEIGHT	4.93m ( 16'2")
TRANSPORT LENGTH	9.14m ( 29' 11")
TRANSPORT WIDTH	2.90m (9' 4")
TRANSPORT HEIGHT	4.09m ( 13' 5")
FEED HEIGHT	2.30m (7'5")
PRODUCT DISCHARGE	1.26m (4'2")
WASTE WATER DISCHARGE	1.20m (4')
TOTAL WEIGHT (EMPTY)	15000kg (33000lb)
TOTAL WEIGHT (WORKING)	22800kg (50000lb)

### FM 200 BW

WORKING LENGTH	8.6m (28'2")
WORKING WIDTH (INC WALKWAY)	4.6m (15'1")
WORKING HEIGHT	7.3m (24')
FEED HEIGHT	3.10m (10'2")
PRODUCT DISCHARGE HEIGHT	1.69m (5'5")
WASTE WATER DISCHARGE	1.15m (3'10")
TOTAL WEIGHT (EMPTY)	17000kg (37500lb)
TOTAL WEIGHT (WORKING)	29000kg (64000lb)

## FM Compact

### FM 20 C / FM 60 C / FM 120 C / FM 120 2G / FM 200 C

The Terex® FM Compact range are static sand recovery units designed to be both cost and energy efficient.

The range uses centrifugal force within the cyclone(s) to remove clay, silt and slime from sand to bring it into specification. The range combines a collection tank, centrifugal slurry pump(s), hydrocyclone(s) and a dewatering screen on a single chassis.

### FEATURES & BENEFITS

- Underflow rubber lined slurry pump(s)
- Two rubber lined hydrocyclone(s) (FM 120 2G/FM 200C)
- Self regulating cyclone tank
- High frequency dewatering screen fitted with polyurethane modular mats
- Maximum recovery of material above 75µm (200 mesh)
- Removes silt, slimes and clays below 75µm (200 mesh)
- Removes water following dewatering operation to 10–15% of residual water content
- Major reduction in saleable material discharging to the pond, thus reducing pond maintenance and saving money
- Heavy-duty robust construction ideal for rugged operating environments
- Low maintenance
- All wear areas rubber lined
- Walkway and access ladder
- Quick assembly time
- Broken down into one single container for transport (except FM 200 C)

### OPTIONS

- Boiler box for dry feed (except FM 120 2G)
- Electrical control panel
- Dewatering screen spray bars
- Galvanised structure and tank
- Single grade chute (FM 120 2G only)



### FM 20 C

WORKING LENGTH	3.8m (12'6")
WORKING WIDTH (INC WALKWAY)	2.2m (7'3")
WORKING HEIGHT	5.6m (18'5")
TOTAL WEIGHT (APPROX)	4500kg (9920lb)

### FM 60 C

WORKING LENGTH	5.55m (18'2")
WORKING WIDTH (INC WALKWAY)	2.70m (8'9")
WORKING HEIGHT	5.80m (19')
FEED HEIGHT	1.77m (5'6")
PRODUCT DISCHARGE HEIGHT	1.30m (4'2")
WASTE WATER DISCHARGE	2.40m (7' 10")
OVERFLOW DISCHARGE	1.50m (5')
TOTAL WEIGHT (EMPTY)	5500kg (12500lb)
TOTAL WEIGHT (WORKING)	12500kg (27600lb)

### FM 120 C

WORKING LENGTH	6.5m (21'3")
WORKING WIDTH (INC WALKWAY)	3.5m (11'4")
WORKING HEIGHT	6.2m (20'3")
FEED HEIGHT	1.90m (6'3")
PRODUCT DISCHARGE HEIGHT	1.7m (5'6")
WASTE WATER DISCHARGE HEIGHT	971mm (3'2")
TOTAL WEIGHT (EMPTY)	8000kg (17600 lb)
TOTAL WEIGHT (WORKING)	14800kg (32600 lb)

### FM 120 2G

WORKING LENGTH	7.58m (24'10")
WORKING WIDTH (INC WALKWAY)	4.45m (14'6")
WORKING HEIGHT	6.7m (22'1")
FEED HEIGHT	1.95m (6'5")
PRODUCT DISCHARGE HEIGHT	1.91m (6'3")
WASTE WATER DISCHARGE HEIGHT	4.11m (13'5")
OVERFLOW DISCHARGE HEIGHT	1.68m (5'6")
TOTAL WEIGHT (EMPTY)	15000kg (33000lb)
TOTAL WEIGHT (WORKING)	28300kg (62390lb)

### FM 200 C

WORKING LENGTH	7.6m (24'11")
WORKING WIDTH (INC WALKWAY)	6.2m (20'5")
WORKING HEIGHT	7m (22'11")
FEED HEIGHT	2.1m (6'10")
PRODUCT DISCHARGE HEIGHT	1.3m (4'3")
TOTAL WEIGHT (EMPTY)	14000kg (30865lb)

## CYCLONE RANGE

### FM Superfines Range

The Terex® FM Superfines Range is a static fines recovery unit.

It brings together on one chassis, centrifugal slurry pump, four hydrocyclones, a collection tank and a 12 x 5 or 14 x 6 dewatering screen. It can produce one grade of sand classifying at approximately 40 micron and is designed to work in conjunction with the Terex Washing range.

#### FEATURES & BENEFITS

- Maximum recovery of material above 40µm (400 mesh)
- Removes silt, slimes and clays below 40µm (400 mesh)
- Removes water following dewatering operation to 10–15% of residual water content
- Major reduction in fine material discharging to the water management system, thus reducing recovery cycle and saving money
- Heavy-duty robust construction ideal for rugged operating environment
- Low maintenance
- All wear areas rubber lined
- Walkway and access steps
- Quick assembly time
- Centrifugal slurry pump
- High frequency 12 x 4 or 14 x 6 dewatering screen fitted with polyurethane modular mats
- Four rubber lined G4 Hydrocyclones which classifies at approximately 40µm (400 mesh) (Depending on feed gradation)
- Self-regulating cyclone tank complete with built in float system

#### OPTIONS

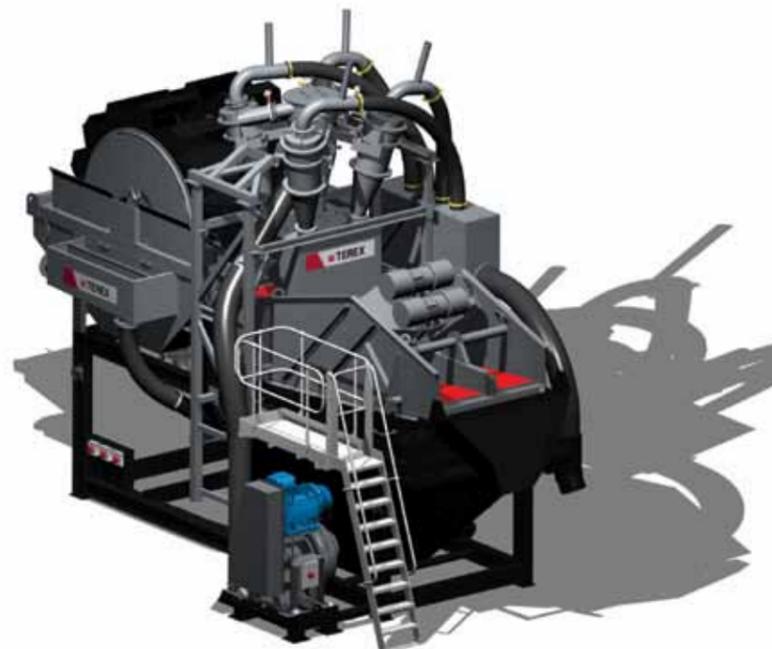
- Boiler box for dry feed
- Electrical control panel
- Spraybars on dewatering screens

#### FM 120 BW STATIC

WORKING LENGTH	7.80m (22'6")
WORKING WIDTH (INC WALKWAY)	4.4m (14'4")
WORKING HEIGHT	5.35m (17'5")
FEED HEIGHT	2.30m (7'5")
PRODUCT DISCHARGE	1.26m (4'2")
WASTE WATER DISCHARGE	0.81m (2' 9")
TOTAL WEIGHT (EMPTY)	15000kg (33000lb)
TOTAL WEIGHT (WORKING )	22800kg (50000lb)

#### FM 200 SUPERFINES

WEIGHT	18.500kg (40.700lbs)
WORKING WIDTH (INC WALKWAY)	4.6m (15' 1")
WORKING LENGTH	8.6m (28' 2")
WORKING HEIGHT	7.3m (24')
FEED HIGH	3.1m (10' 2")
PRODUCTION DISCHARGE	1.70m (5' 5")
WASTE WATER DISCHARGE	1.15m (3' 10")



### FM Direct Feed

The FM Direct Feed allows economical washing and sand processing to happen on a very small footprint. The unit is suitable for pre-screened material with minimum oversize and is especially suited to dust washing applications.

The FM Direct Feed is a compact sand plant that works on the principle that a dry prescreened feed is delivered to the wash box equipped with a high pressure spray bar to pre-soak the feed before being delivered to the screen.

It has been introduced for applications where the percentage of oversize in the feed material is minimum.

#### FEATURES & BENEFITS

- Underflow rubber lined slurry pump
- One rubber lined hydrocyclone which classifies at approximately 75µm (200 mesh)
- Self regulating cyclone tank complete with built in float system
- High frequency 14' x 6' (4.3m x 1.8m) dewatering screen fitted with polyurethane modular mats
- Maximum recovery of material above 75µm (200 mesh)
- Removes silt, slimes and clays below 75µm (200 mesh)
- Removes water following dewatering operation to 15% of residual water content
- Major reduction in saleable material discharging to the pond, thus reducing pond maintenance and saving money
- Heavy-duty robust construction ideal for rugged operating environment
- Low maintenance
- All wear areas rubber lined
- Walkway and access stairs
- Quick assembly time
- Breaks down into one 40' (12m) container
- Approx 80-120 tph

#### OPTIONS

- Electrical control panel

#### FM 200 DF

WORKING LENGTH	7.3m (24')
WORKING WIDTH (INC WALKWAY)	4.3m (14' 3")
WORKING HEIGHT	7.4m (24' 2")
FEED HEIGHT	4m (13')
PRODUCT DISCHARGE HEIGHT	1.8m (5' 10")
WASTE WATER DISCHARGE HEIGHT	0.6m (2')
TOTAL WEIGHT (EMPTY)	15000kg (33069lb)
TOTAL WEIGHT (WORKING)	23000kg (50706lb)



## FEEDER RANGE

### H Range

H 9 \ H 20 \ H 25

A stand alone hopper designed to provide a constant feed of material to Terex® Washplants. A range of different options are available to suit your requirements.

#### FEATURES AND BENEFITS

##### H 9

- Adjustable angle manual tipping grid with integral loading plate
- Wing plates and self cleaning grid bars
- Adjustable support legs
- Electric or hydraulic drive
- Tipping grid removes materials above 100mm
- Heavy-duty robust construction ideal for rugged operating environment
- Low maintenance
- Rubber skirting for increased wear life
- Quick assembly time
- Breaks down into one 20' (12m) container

##### SPECIFIC TO H 20 & H 25

- Fixed angle manual tipping grid with integral loading plate
- Wing plates and self cleaning grid bars
- Direct drive electric drive
- 20m<sup>3</sup> capacity (approx 26yds<sup>3</sup>)
- Breaks down into one 40' (24m) container

##### OPTIONS

- Impact rollers
- Wear plates
- Adjustable hopper door
- Single & double deck vibrating grid
- Hopper extensions
- Radio control tipping



##### H 9

GRID LENGTH (14FT)	5.32m (17' 5")
GRID WIDTH	3.50m (11' 6")
FEED HEIGHT	3.94m (12' 11")
PRODUCT DISCHARGE HEIGHT	1.90m (6' 3")
HOPPER CAPACITY (14FT)	8.75m <sup>3</sup> (11.77yd <sup>3</sup> )
GRID APERTURE	100mm (4")
WORKING ANGLE	0-16°

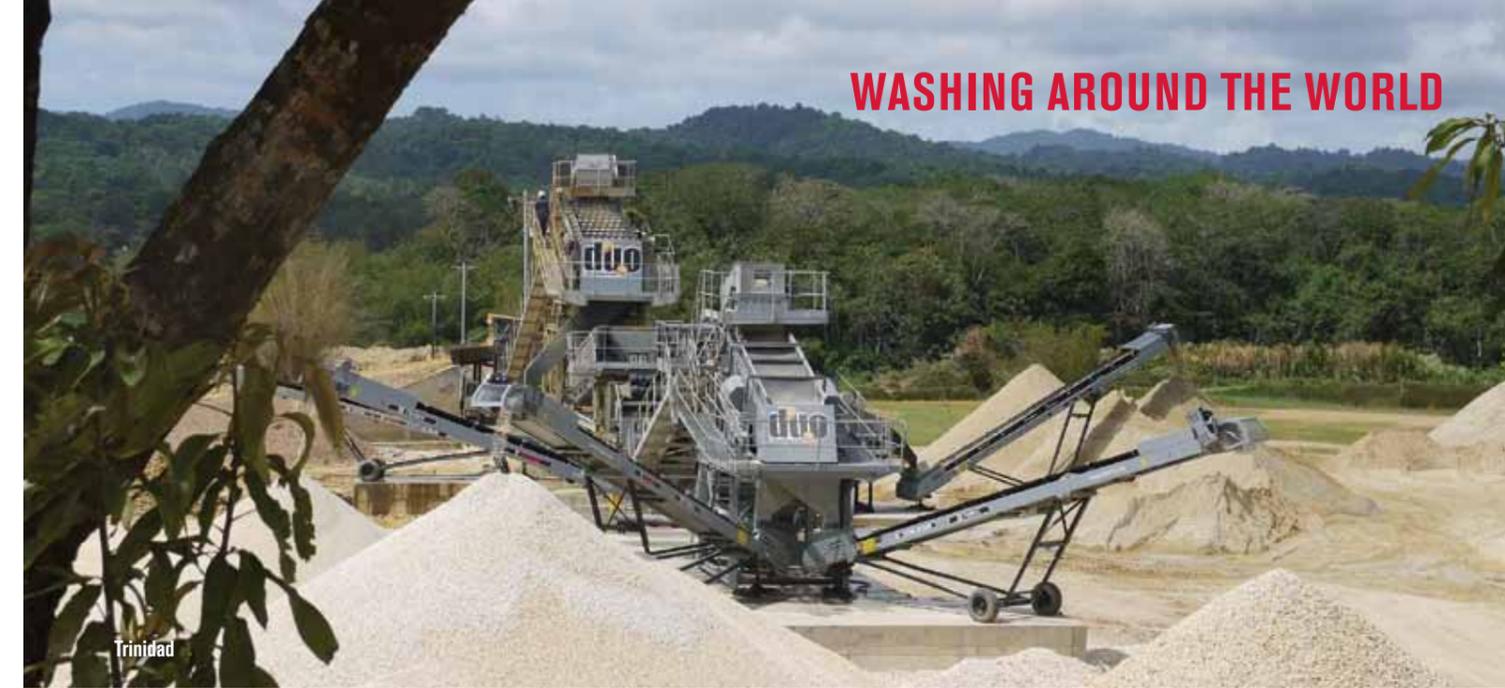
##### H 20

GRID LENGTH	4.1m (13' 6")
GRID WIDTH	2.9m (9' 7")
FEED HEIGHT	7.3m (24')
PRODUCT DISCHARGE HEIGHT	2.2m (7' 5")
HOPPER CAPACITY	20m <sup>3</sup> (26.16yd <sup>3</sup> )
GRID APERTURE	100mm
WORKING ANGLE	34°

##### H 25

GRID LENGTH	4.1m (13' 6")
GRID WIDTH	9.9m (12' 11")
FEED HEIGHT	8m (26' 4")
PRODUCT DISCHARGE HEIGHT	2.2m (7' 5")
HOPPER CAPACITY	25m <sup>3</sup> (32.70yd <sup>3</sup> )
GRID APERTURE	100mm
WORKING ANGLE	34°

## WASHING AROUND THE WORLD



# BUCKETWHEEL SAND PLANT RANGE

## T Range

### T 100 / T 150 / T 200

The Terex® T Range are mobile bucket wheel dewaterers complete with fines retention screw, twin bucket wheel designed units for the removal of clays, silts and slimes to produce up to 2 grades of sand.

The T Range is designed to operate with maximum versatility and can support different requirements such as maximum retention of fines or maximum disposal of fines.

The T Range can be driven hydraulically from the M Range or from its own optional electric power pack.

### FEATURES AND BENEFITS

- High capacity depending on material size and type
- Economical in operation
- Can produce either 1 or 2 grades of material (Except T 200)
- Excellent fines recovery
- Specially designed inlet boxes which reduce turbulence at entry
- Weir discharge system
- Increased drainage time produces a drier product
- Can be hydraulically coupled to a mobile rinser unit
- Single and double grade chutes (plastic lined)
- Slurry intake boxes (rubber lined)
- High capacity variable speed twin bucketwheel
- Deep fluted fines recovery screw with variable speed
- Adjustable plate between bucket and settling tank for release or retention of fines (Except T 200)

### OPTIONS

- Boiler box for dry feed
- Input boxes with 8" or 10" (200mm or 250mm) inlets
- Static unit without towbar and wheels
- Electric hydraulic powerpack



### T 100

WHEEL DIAMETER	2.6m (8' 6")
SPIRAL DIAMETER	2.04m (6' 9")
SPIRAL LENGTH	1.6m (5' 3")
WEIR LENGTH	6.90m (22' 7")
BUCKET WIDTH	0.75m (30")
NO. BUCKETS	28 off
WATER TANK CAPACITY	8855L (1,950gls)
WORKING LENGTH	5.62m (18' 5")
WORKING WIDTH	3.72m (12' 3")
WORKING HEIGHT	3.51m (11' 6")
TOTAL WEIGHT WORKING	14800kg (32600lb)

### T 150

WHEEL DIAMETER	2.75m (9')
SPIRAL DIAMETER	2.04m (6' 9")
SPIRAL LENGTH	3.10m (10' 2")
WEIR LENGTH	40m (131' 2")
BUCKET WIDTH	0.75m (30")
NO. BUCKETS	28 off
WATER TANK CAPACITY	10,637L (2,342gls)
WORKING LENGTH	6.8m (22' 5")
WORKING WIDTH	4.4m (14' 3")
WORKING HEIGHT	3.7m (12')
TOTAL WEIGHT WORKING	14800kg (32600lb)

### T 200

WHEEL DIAMETER	4.57m (15' 0")
SPIRAL DIAMETER	2.05m (6' 9")
SPIRAL LENGTH	4.26m (14')
WEIR LENGTH	16m (53')
BUCKET WIDTH	635mm (25")
NO. BUCKETS	54 off
WATER TANK CAPACITY	20,430L (4,500 gal)
WORKING LENGTH	8.46m (27' 8")
WORKING HEIGHT	4.6m (15' 1")
WORKING WIDTH	2.7m (8' 11")
OUTPUT CAPACITY	150tph - 200tph
TOTAL WEIGHT WORKING	19,000kg (41,800lbs)

# SCREENBOX RANGE

## Screenbox Range

The Terex® Screenbox Range is designed for maximum production efficiency in applications including sand and gravel, coal, crushed stone, slag, recycled materials, concrete, iron ore and silica glass.

The static structure carrying the screen unit is robust, easy to assemble and includes integrated material discharge chutes, walkways and access steps for access to view production and carry out maintenance. The range includes 2 and 3 deck screens ranging from 8' x 4' (2.4m x 1.2m) to 20' x 6' (6m x 1.8m).

### FEATURES AND BENEFITS

- Side tensioned screen box
- Spray bars spread evenly on all decks
- Plastic fan tail spray nozzles
- Galvanized walkway & handrails
- Rolling chute system
- Manual screen angle adjustment
- Electric drive
- Steps and walkways provide easy access for maintenance
- Steps can be placed at any corner of the structure
- Rolling chute allows greater access to screen mesh when changing
- Robust easy to assemble steel support structure
- Rubber lined wear parts
- Complies with all relevant essential health and safety requirements
- High pressure plastic fan tail nozzles deliver clean end product
- Huck bolted, four bearing, free floating vibrating system eliminates the need for fine tuning
- High capacity (depending on mesh size and material type)
- Low maintenance

### OPTIONS

- 3 deck variant
- Dry, rinser & part rinser
- Level frame
- Modular polyurethane decks
- Rubber side tensioned mesh
- Aluback wear plate in wash box
- 10" Sand slurry pipes
- Rubber lined catch box and division plates
- Rubber lined transfer box
- Adjustable division plates
- Hydraulic drive (on certain models)
- Brass or plastic nozzles
- Height extensions to feed from the PS and FM ranges
- Flipper plates in the rolling chute. Permitting blending of material grades



### SCREENBOX RANGE

8 X 4	2 & 3 DECK
SCREEN BOX SIZE	2.4m x 1.2m (8' x 4')
	<b>4 BEARING</b>
WIDTH	4.02m (13' 2")
LENGTH	10.9m (35' 8")
HEIGHT	5.99m (19' 8")
ELECTRIC MOTOR	7.5hp 5kW
WATER FEED PIPE	100mm (4")
TOP DECK SPRAYBARS	5 off
BOTTOM DECK SPRAYBARS	5 off
WASTE WATER DISCHARGE	2.85m (9' 4")
PRODUCT DISCHARGE HEIGHT	2.1m (6' 9")

20 X 6	3 DECK	2 DECK
SCREEN BOX SIZE	6m x 1.8m (20' x 6')	6m x 1.8m (20' x 6')
	<b>2 BEARING</b>	<b>2 BEARING</b>
WIDTH	4.71m (15' 6")	4.71m (15' 6")
LENGTH	15.3m (50' 2")	15.3m (50' 2")
HEIGHT	7.8m (25' 3")	7.36m (24' 2")
ELECTRIC MOTOR	30hp 22kW	30hp 22kW
WATER FEED PIPE	150mm (6")	150mm (6")
TOP DECK SPRAYBARS	10 off	10 off
MIDDLE DECK SPRAYBARS	8 off	N/A
BOTTOM DECK SPRAYBARS	8 off	8 off
WASTE WATER DISCHARGE	2.34m (7' 6")	2.34m (7' 6")
PRODUCT DISCHARGE HEIGHT	1.63m (5' 4")	1.63m (5' 4")

16 X 5	3 DECK	2 DECK
SCREEN BOX SIZE	4.9m x 1.5m (16' x 5')	4.9m x 1.5m (16' x 5')
	<b>2 BEARING</b>	<b>4 BEARING</b>
WIDTH	4.01m (13' 1")	4.01m (13' 1")
LENGTH	13.3m (43' 6")	13.3m (43' 6")
HEIGHT	7.1m (23' 3")	6.7m (22'-0")
ELECTRIC MOTOR	20hp 15kW	20hp 15kW
WATER FEED PIPE	150mm (6")	150mm (6")
TOP DECK SPRAYBARS	8 off	8 off
MIDDLE DECK SPRAYBARS	8 off	N/A
BOTTOM DECK SPRAYBARS	8 off	8 off
WASTE WATER DISCHARGE	2.75m (8' 5")	2.75m (8' 5")
PRODUCT DISCHARGE HEIGHT	1.85m (6' 1")	1.85m (6' 1")

12 X 5	3 DECK	2 DECK
SCREEN BOX SIZE	3.7m x 1.5m (12' x 5')	3.7m x 1.5m (12' x 5')
	<b>2 BEARING</b>	<b>4 BEARING</b>
WIDTH	4.07m (13' 5")	4.07m (13' 5")
LENGTH	11.3m (37' 1")	11.3m (37' 1")
HEIGHT	7.04m (23' 1")	6.3m (20' 8")
ELECTRIC MOTOR	20hp 15kw	13hp 10kw
WATER FEED PIPE	150mm (6")	150mm (6")
TOP DECK SPRAYBARS	6 off	6 off
MIDDLE DECK SPRAYBARS	6 off	N/A
BOTTOM DECK SPRAYBARS	6 off	6 off
WASTE WATER DISCHARGE	2.8m (9' 2")	2.8m (9' 2")
PRODUCT DISCHARGE HEIGHT	2.1m (6' 9")	2.1m (6' 9")

# LOGWASHER RANGE

## PS Range

### PS 120 / PS 200

The Terex® PS Range takes washing one step further by providing high speed scrubbing of heavily contaminated material to produce cleaner material at a faster rate.

The PS range is designed with a trough and two axles with interlocking blades and paddles which intensively mix the material. Friction from this process breaks down feed contaminates and allows scrubbed material to be stockpiled.

### PS 120R / PS 200R

The Terex® PSR is specifically designed to wash construction and demolition waste, separating contaminates from saleable material. The range is designed with a trough and 2 axles with interlocking blades and paddles which intensively mix the feed material. Friction from this process breaks down contaminates and allows scrubbed material to be discharged for stockpiling. Water used in the process is recirculated to a water treatment facility.

## FEATURES AND BENEFITS

### PS 120 AND PS 200

- Two high output electrical motors driving a gear system, which in turn rotates the two counter-rotating axles, which perform the scrubbing action
- Interchangeable high tensile blades
- The material forms a bed in the hull, preventing wear in the steel trough
- The lower bearings are fresh water flushed to prevent wear or damage from small particles
- The machines are fitted with an elevated spray bar system, which constantly adds water to the material. This washes the material and encourages lighter particles to float through the water exit
- Full length walkway and steps, which can be fitted on either side of the machine, for ease of access and to view production
- 4 lifting points firmly attached to the sides of the hull for carriage when required
- Large inlet chute with bolt in wear plates
- Rubber lined catchboxes and outlet chutes
- Versatility and design enables it to be easily adapted to work

in gravel applications

- Low water consumption
- Remote greasing to all bearings
- Heavy-duty robust construction ideal for rugged operating environments
- High capacity throughput

## SPECIFIC TO PS 120R AND PS 200R

- Dewatering screens fitted to either end of the machine
- Specifically designed to work in recycling applications to separate contaminates from saleable material
- 8 x 4 (2.4m x 1.2m) dewatering screen removes excess water from material before final screening (specific to PS 120R only)
- 12 x 5 (3.7m x 1.5m) dewatering screen removes excess water from material before final screening (specific to PS 200R only)
- 6 x 2 (1.8m x 0.6m) dewatering screen separates lighter particles from the water on which it is floating
- Built in agitation system allows for further small particle discharge water discharge side

## OPTIONS

- Galvanised structure
- Steel support with walkway, galvanized handrails, flow forge and access steps (single side walkway)
- Walkway around back of trash screen
- Adjustable working angle
- 2 deck dewatering screen to produce 3 aggregate products



## PS 120

### STATIC

WORKING LENGTH (INC WALKWAY)	9.70m (31' 9")
WORKING WIDTH (INC WALKWAY)	2.99m (9' 10")
WORKING HEIGHT (INC WALKWAY)	3.60m (11' 10")
FEED HEIGHT	2.69m (8' 10")
PRODUCT DISCHARGE HEIGHT	1.18m (3' 11")
WASTE WATER DISCHARGE HEIGHT	0.53m (1' 9")
TOTAL WEIGHT	8500kg (18750lb)

### MOBILE (INC. CONVEYOR)

WORKING LENGTH (INC WALKWAY)	13.9m (45' 8")
WORKING WIDTH (INC WALKWAY)	3.00m (9' 8")
WORKING HEIGHT (INC WALKWAY)	3.98m (13' 1")
FEED HEIGHT	2.95m (9' 8")
PRODUCT DISCHARGE HEIGHT	3.98m (13' 1")
WASTE WATER DISCHARGE HEIGHT	0.78m (2' 7")
TOTAL WEIGHT	15200kg (33550lb)

## PS 120R

WORKING LENGTH (INC WALKWAY)	13.23m (43' 5")
WORKING WIDTH (INC WALKWAY)	3.70m (12' 2")
WORKING HEIGHT	6.39m (21')
FEED HEIGHT	4.81m (15' 9")
PRODUCT DISCHARGE HEIGHT	(6x2) 1.99m (6' 6")
PRODUCT DISCHARGE HEIGHT	(8x4) 2.54m (8' 4")
WASTE WATER DISCHARGE HEIGHT	(6x2) 2.25m (7' 5")
WASTE WATER DISCHARGE HEIGHT	(8x4) 2.45m (8' 1")
TOTAL WEIGHT	17000kg (37500lb)

## PS 200

WORKING LENGTH (INCL WALKWAY)	16.8m (55' 2")
WORKING WIDTH (INCL WALKWAY)	4.7m (15' 5")
WORKING HEIGHT	5.9m (19' 4")
FEED HEIGHT	5.5m (18')
PRODUCT DISCHARGE HEIGHT (6X2)	1.9m (6' 2")
PRODUCT DISCHARGE HEIGHT (12X5)	2m (6' 5")

## PS 200R

WORKING LENGTH (INCL WALKWAY)	15.6m (51' 2")
WORKING WIDTH (INCL WALKWAY)	3.8m (12' 4")
WORKING HEIGHT	5.4m (17' 8")
FEED HEIGHT	5.4m (17' 8")
PRODUCT DISCHARGE HEIGHT	3.2m (10' 4")
WASTE WATER DISCHARGE HEIGHT	2.7m (8' 8")

# DEWATERING RANGE

## DW Range

Terex Washing Systems offers a range of dewatering screens. Their rugged construction is designed to combat a range of applications. While primarily applied for dewatering with retained fines, they are capable of being used in a wide range of applications.

The screen incorporates a 45° sloping back deck section, fitted with slotted apertures across the direction of flow.

The main deck of the screen slopes upwards at 5° vibration is produced by two exciter motors operating at 980rpm

### FEATURES AND BENEFITS

- Dewatering screen, catchbox and chutes combined onto a single frame
- Exceptional dewatering performance
- Modular screen decks
- Side protection liners
- Rubber lined discharge chute
- Removes water following dewatering operation to 10–15% of residual water content
- Major reduction in saleable material discharging to the pond, thus reducing pond maintenance and saving money
- Heavy-duty robust construction ideal for rugged operating environment
- Low maintenance
- All wear areas rubber lined - optional
- Quick assembly time
- Breaks down into one 20' (6m) container

### OPTIONS

- Galvanised structure
- Steel support structure
- Catchbox
- Underflow Slurry Pump

### DW 064

SCREEN SIZE	1.8m x 1.2m (6' x 4')
VIBRATORY MOTORS	2.3kW (3hp) (2off) 960rpm
SCREEN APERTURE	0.5mm (0.02")
OVERALL LENGTH	2.9m (9' 5")
OVERALL WIDTH	1.8m (5' 9")
OVERALL HEIGHT	3.3m (10' 8")
CAPACITY	40tph (44tn us) Course Sand 30tph (33tn us) Fine Sand

### DW 084

SCREEN SIZE	2.4m x 1.2m (8'x4')
VIBRATORY MOTORS	3kW (4hp)(2off) 960rpm
SCREEN APERTURE	0.5mm (0.02")
OVERALL LENGTH	2.5m (8' 2")
OVERALL WIDTH	2.1m (6' 9")
OVERALL HEIGHT	2.5m (8' 2")
CAPACITY	60tph (66tn us) Course Sand 40tph (44tn us) Fine Sand

### DW 125

SCREEN SIZE	3.7m x 1.5m (12' x 5')
VIBRATORY MOTORS	4kW (5.5hp)(2off) 960rpm
SCREEN APERTURE	0.5mm (0.02")
OVERALL LENGTH	4.3m (14' 1")
OVERALL WIDTH	3.0m (9' 8")
OVERALL HEIGHT	(121tn us)
CAPACITY	110tph (121tn us) Course Sand 80tph (88tn us) Fine Sand

### DW 146

SCREEN SIZE	4.3m x 1.8m (14' x 6')
VIBRATORY MOTORS	6kW (8hp)(2off) 960rpm
SCREEN APERTURE	0.5mm (0.02")
OVERALL LENGTH	5.4m (17' 7")
OVERALL WIDTH	2.7m (8' 9")
OVERALL HEIGHT	4.4m (14' 4")
CAPACITY	200tph (220tn us) Course Sand 140tph (154tn us) Fine Sand

### ALSO AVAILABLE IN THIS RANGE

- DW 062
- DW 084 2 Deck
- DW 125 2 Deck



# CONVEYOR RANGE

## TC Range

### TC 6532 / TC 5036 / TC 5032 / TC 4026

The Terex® TC range of conveyors are an integral part of the Terex Washing Systems product range and are constructed to the same high engineering specification. It's portability and versatility allows it to work in confined spaces and combinations of one, two or three with TWS processing plants.

### FEATURES AND BENEFITS

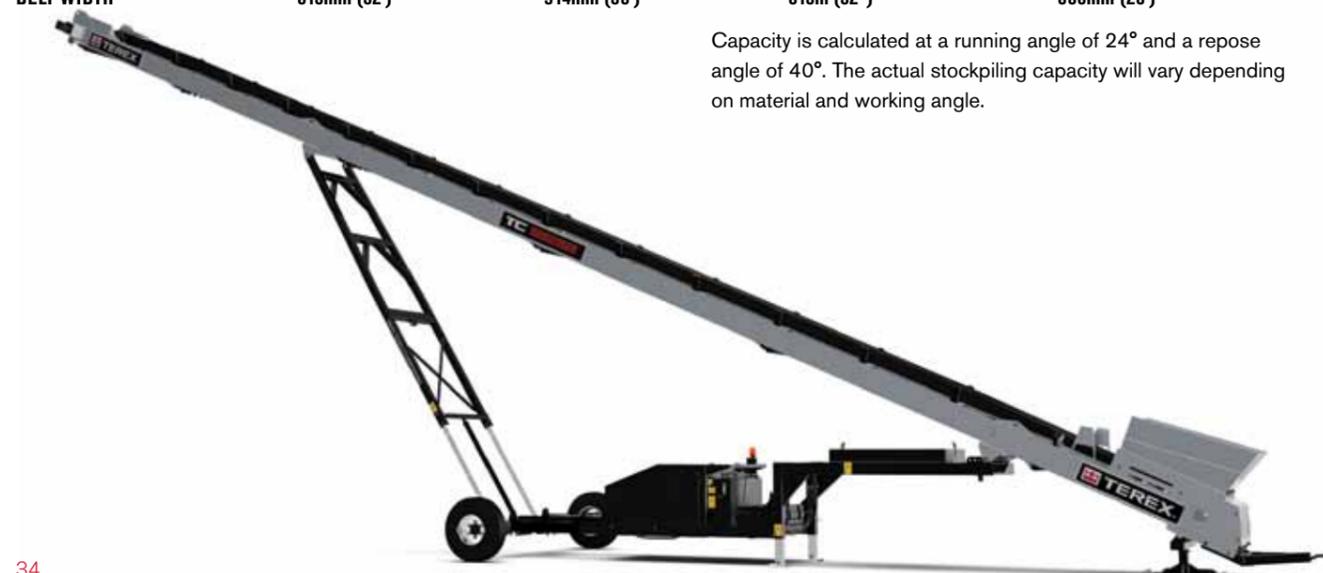
- Capable of handling up to 300tph
- Mobile unit with towbar and road wheels
- Large stockpile capacity
- Manual hand pump for height adjustment
- Detachable pivot stand and towbar

	TC 6532	TC 5032	TC 5036	TC 4026
WORKING LENGTH	19.48m (63' 10")	14.32m (46' 11")	14.32m (46' 11")	11.60m (38')
WORKING HEIGHT	8.52m (27' 11")	6.72m (22' 1")	6.72m (22' 1")	5.58m (18' 3")
WORKING WIDTH	2.51m (8' 2")	2.51m (8' 2")	2.51m (8' 2")	2.51m (8' 2")
TRANSPORT LENGTH	11.97m (39' 3")	11.31m (37' 1")	11.31m (37' 1")	8.81m (28' 10")
TRANSPORT HEIGHT	3.6m (11' 8")	3.36m (11' 1")	3.36m (11' 1")	3.18m (10' 5")
FEED HEIGHT	1.22m (4')	1.59m (5' 3")	1.59m (5' 3")	1.26m (4' 1")
TOTAL WEIGHT	6420kg (14150lb)	2200kg (4850lb)	2200kg (4850lb)	1960kg (4325lb)
STOCKPILE CAPACITY STATIC	862m³ (1129 yd³)	414m³ (542 yd³)	414m³ (542 yd³)	224m³ (293 yd³)
STOCKPILE CAPACITY RADIAL	(60° Arc) 2394m³ (3130 yd³)	(60° Arc) 1093m³ (1430 yd³)	(60° Arc) 1093m³ (1430 yd³)	(60° Arc) 578m³ (756 yd³)
BELT WIDTH	813mm (32")	914mm (36")	813mm (32")	660mm (26")

### OPTIONS

- Feedboot extension
- Chevron belt
- Heavy duty 3 ply belt
- Coupled machine
- Diesel powerunit
- Hydraulic wheel drive
- Electric drive
- Transfer chute
- Electric hydraulic radial wheel drive
- Track chassis

Capacity is calculated at a running angle of 24° and a repose angle of 40°. The actual stockpiling capacity will vary depending on material and working angle.



### TC 6532L / TC 7532L

### FEATURES AND BENEFITS

- Capable of handling up to 400 tph (441 us tonnes)
- Customized A-Frame to suit any application
- Manual hand pump for height adjustment
- Detachable pivot stand and towbar
- Heavy duty 800mm (32") belt as standard
- Large stockpile capacity

### OPTIONS

- Coupling option
- Diesel hydraulic powerunit with 49.9kW (66.2hp) diesel engine in enclosed unit with inclusive 182 litre (40 gal) hydraulic tank
- Radial non braking axle with integrated ballast box and detachable pivot stand
- Hydraulic wheel drive
- Towbar
- Machine walkway including head drum complete with galvanised handrails and flowforge walkway
- Extended feedboot
- Chevron 2 ply belt
- Heavy duty 3 ply belt
- Hydraulic height adjustment (mobile only)
- Electric Drive



### TC 6532L STATIC

LENGTH	20.68m (67' 10")
HEIGHT	10.22m (33' 6")
WIDTH	2.63m (8' 7")
FEED HEIGHT	1.8m (5' 9")
TOTAL WEIGHT	10000kg (22050lb)
STOCKPILE CAPACITY STATIC	1588m³ (2080 yd³)
BELT WIDTH	813mm (32")

### TC 7532L STATIC

LENGTH	23.33m (76' 7")
HEIGHT	10.85m (35' 7")
WIDTH	2.49m (8' 2")
FEED HEIGHT	1.86m (6' 1")
TOTAL WEIGHT	12000kg (26,500lb)
STOCKPILE CAPACITY STATIC	1588m³ (2080 yd³)
BELT WIDTH	813mm (32")

### TC 7532L MOBILE

LENGTH	23.8m (78' 1")
HEIGHT	9.9m (32' 5")
WIDTH	3.6m (11' 8")
FEED HEIGHT	1.9m (6' 3")
TOTAL WEIGHT	12500kg (26,600lb)
STOCKPILE CAPACITY RADIAL (60°ARC)	4460m³ (5850 yd³)
BELT WIDTH	813mm (32")

Capacity is calculated at a running angle of 24° and a repose

## Water Treatment and Management

Offering a complete tailored solution for water treatment and management, Terex Washing Systems provides a complete range of filter presses, flocculent dosing systems and thickening tanks. The floc dosing systems are fully automated to control and adjust the flocculent according to the amount of suspended solids contained in the water.

This automation is essential for the efficient control of the system when the specification of the sludge changes during the day in terms of rates of solid particulates.

The filter press takes this treated sludge and dehydrates it, recovering up to 90% of the water, into dry panels of pressed sludge which can be easily handled, moved and disposed of. The filter presses use high pressure technology to maintain optimal performance and only the highest quality components are used. Again, the system is fully automated through a dedicated Programmable Logic Control System (PLC).



Filterpress and deep cone thickener tank

## Matec®

Terex Washing Systems work with Matec® to provide water treatment solutions for your plant.

Matec® is a worldwide leading company in water treatment and filterpresses and specialises in the design, production and development of waste water purification and filtration plants for many different industries, the most important of which are: aggregates, gravel, sand, stone ceramics, glass. In the last 10 years, Terex Washing Systems and Matec® have successfully installed more than 1000 Washing and Purification plants.



Filterpress with compressed cake

## Filterpresses

Filter presses are based on a simple, ancient principle, invented by the Romans to press oil and wine. Today's technology brings the filter press back to the present as a current, invaluable tool. Simplicity, flexibility and effectiveness make it essential for many industries. The filter press or compactor dehydrates the sludge by squeezing all water out of it (recovering about 90% of it) into dry panels of pressed sludge, which can be handled, moved and are ready to be reused or disposed of. Perfect for washplants specialising in aggregate mining, earth and gravel handling.

### FEATURES AND BENEFITS

- 100% Fully Automatic
- HPT high pressure technology to filter sludge at 20 Bar. Produces extremely dry cake.
- Stainless steel AISI 304 used on thickener silo, tank and associated components
- Utilising only highest quality components
- Up to 95% recovery of water
- Up to 80% reduction in silt handling and transport costs



Compressed cakes ready for reuse or disposal

## Thickeners and Clarifiers

Silos are based on the principle of static decantation and the natural precipitation of suspended solid particles, they speed up the clarification process through perfectly-sized silos, with a thrust cone and a water column which presses the sludge, and the use of an appropriate polyelectrolyte (flocculent).

The high performance thickener was developed to fulfil the role of a thickener/reactor as well as a clarifier.

TWS and Matec® are the only thickener suppliers providing paste, without rakes, pumps, extraction and motors.

TWS and Matec® offer the best available expertise on high performance thickeners and clarifiers.

### FEATURES AND BENEFITS

- Produces thick mud at 50% solids
- Reduced cost for concrete basement
- Extra stock for mud
- Highest performance per unit area for depuration
- Extremely low operating cost
- Non-moving parts
- No extraction pump (no spares)
- Low maintenance costs
- Combined thickening and clarification



Horizontal decanter

# WATERPUMPS

## Waterpumps

### FRESH WATER PUMPS

Terex Washing Systems has a dedicated team of engineers focused on developing applications solutions. Our engineers analyze project requirements to help determine equipment and cost efficiency whatever your pumping requirements.

Our cast iron pump has a hard face mechanical seal, mounted on a mild steel base and includes an integrated prime tank

### FEATURES AND BENEFITS

- Integrated priming tank
- Pump at pressures up to 5.5 bar (80 Psi)
- Box section mounting frame
- Horizontal close coupled end suction
- Double shrouded single entry radial flow impeller
- Rubber bellows type mechanical seal
- Foot valve & strainer
- Flexible suction – 6m long
- Heavy duty pump and base design
- Ease of maintenance
- Low running costs
- Self priming Water tank
- Heavy duty steel construction
- Easy access to all serviceable areas
- Integrated lifting points

### FRESH WATER PUMPS - ELECTRIC

<b>MOTOR RATING</b>	22kw (30hp)	37kw (50hp)	55kw (74hp)	75kw (100hp)
<b>LENGTH</b>	1.9m (6'3")	2m (6'5")	2.1m (6'11")	2.3m (7'5")
<b>WIDTH</b>	0.84m (2'9")	0.91m (2'9")	0.91m (2'9")	1m (3'2")
<b>HEIGHT</b>	2.1m (7')	2.1m (7')	2.1m (7')	2.1m (7')
<b>DISCHARGE HEIGHT</b>	1.3m (4'4")	1.3m (4'4")	1.4m (4'6")	1.4m (4'6")
<b>TOTAL WEIGHT</b>	1500kg (3300lb)	1500kg (3300lb)	1550kg (3410lb)	1570kg (3454lb)
<b>MAX FLOW</b>	150m <sup>3</sup> per/hr	250m <sup>3</sup> per/hr	300m <sup>3</sup> per/hr	350m <sup>3</sup> per/hr
<b>PUMP SPEED</b>	1480rpm	1480rpm	1480rpm	1480rpm
<b>ROTATION</b>	Clockwise	Clockwise	Clockwise	Clockwise
<b>MAX HEAD</b>	32m (104')	35m (114')	40m (131')	45m (147')

Note: Based on 50m horizontal distance and 6m vertical distance from water source

### VERTICAL SHAFT PUMPS

<b>MOTOR RATING</b>	4kW (5.5hp)	7.5kW (10hp)	14kW (20hp)
<b>MAX FLOW</b>	54m <sup>3</sup> per/hr (200gpm)	136m <sup>3</sup> per/hr (500gpm)	272m <sup>3</sup> per/hr (1000gpm)

### VERTICAL SHAFT SLURRY PUMPS

The TWS Vertical shaft slurry pump range provides substantial performance with low power consumption making it one of the lowest running cost pump of its class.

### FEATURES AND BENEFITS

- Designed for tough applications, primarily
- Designed for Difficult applications requiring agitation to ensure no solids build up
- Large particle size
- High density slurries
- Continuous or “snore” operations
- Integrated impeller agitation vanes prevent sump pump blockage
- With only three major components, fewer assembled parts make for ease of maintenance.
- High wear resistant parts are used to provide long wear life
- No priming required
- No submerged bearings



Fresh Water Pump

# NOTES

# WITH YOU EVERY STEP OF THE WAY

Terex Washing Systems are committed to your success. Our years of expertise, specialized knowledge and broad portfolio of products together with our global dealer network and dedicated team are focused on providing the right solution to your material washing needs. Terex Washing Systems are dedicated to advising and supporting you from the initial commissioning through the life cycle of your project.

## Customer Support & Maintenance

### CUSTOMER SUPPORT

We work with our customers to understand their equipment needs to select the product most suited to their business requirements. Terex Washing Systems customer support incorporates a range of services including, parts, technical support, warranty and financial services.

**For Customer Support email: [TWS.Support@terex.com](mailto:TWS.Support@terex.com)**

### PARTS

We stock a full range of genuine Terex Washing Systems parts through our global support locations and dealer network. We are committed to getting the right parts delivered at the right time to our customers. Using Genuine Terex® parts gives optimum performance and reliability for your washing equipment.

**For all your Spare Parts email: [TWS.Spares@terex.com](mailto:TWS.Spares@terex.com)**

### TECHNICAL SUPPORT

Terex Washing Systems provides highly qualified service personnel to ensure that we have the ability to provide technical support when our customers need it. This support is provided in conjunction with our dealer network. We ensure that our customers are supported throughout the life cycle of their machine. From the initial commissioning of the products, our regular maintenance reviews and on-going operational support.

**For all enquiries on applications email:  
[TWS.Applications@terex.com](mailto:TWS.Applications@terex.com)**

### WARRANTY

Terex Washing Systems warrants its new equipment to be free of defects in material or manufacture for a specified period, from the date the equipment is first used. Model specific warranty details are available from Terex Washing Systems or your local dealer.

**For all warranty queries email: [TWS.Warranty@terex.com](mailto:TWS.Warranty@terex.com)**

### GLOBAL DEALER NETWORK

Terex Washing Systems is supported by a global dealer network. **To locate your nearest dealer email: [TWS.Sales@terex.com](mailto:TWS.Sales@terex.com) or log onto: [www.terex.com/washing](http://www.terex.com/washing)**

### TEREX FINANCIAL SERVICES

Terex Financial Services can help meet your equipment needs by managing your financial requirements through a variety of customised financing solutions. For more information please contact:

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To find out more about the Terex Washing product range and our customers support visit our website at

**[www.terex.com/washing](http://www.terex.com/washing)**



AGGRESAND  
**NEW!**  
2013



FM  
DIRECT FEED  
**NEW!**  
2013



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 [www.facebook.com/TerexCorporation](http://www.facebook.com/TerexCorporation)

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