



**WASHING
SYSTEMS**

FM 200 BW



WASHING AS IT SHOULD BE

FEATURES AND BENEFITS

- Static sand recovery unit on one chassis
- Double bucket wheel
- Centrifugal slurry pump
- Twin Hydrocyclones
- Collection tank
- 14 x 6 dewatering screen
- Produce one or two grades of sand
- Designed to work in conjunction with Terex Washing Systems range
- Underflow rubber lined slurry pump
- Double bucket wheel with variable speed control
- Two rubber lined hydrocyclone which classifies at approximately 75 μ m (200 mesh)
- Self regulating cyclone tank complete with built in float system and anti-turbulence sections
- High frequency 14 x 6 dewatering screen fitted with polyurethane modular mats
- Weir discharge system which reduces the volume of fines entering the Cyclone collection tank
- Collapsible bucket wheel tank for easy transport
- Bucket wheel performs 80-90% of the work. This keeps the pump and cyclone size to a minimum
- Reduced pump and cyclone wear
- Reduced overall power requirements
- Reduced running costs
- Maximum recovery of material above 75 μ m (200 mesh)
- Removes silt, slimes and clays below 75 μ m (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 environment
- Low maintenance
- All wear areas rubber lined
- Galvanised walkway and access steps
- Quick assembly time
- Approx 120-200 tph

APPLICATIONS

- All forms of concrete, mortar and asphalt sands
- Quarry dust / crushed fines
- Lake and beach sands
- Silica sand for glass industry
- Golf course sands
- Filter bed sands
- Recycled materials
- Iron ore
- Most materials which need to be washed

TYPICAL WATER CONSUMPTION

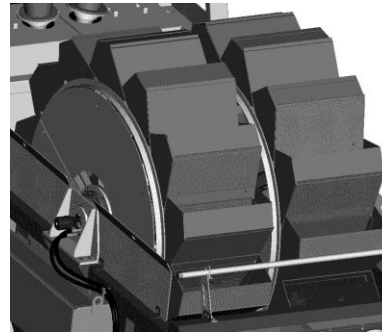
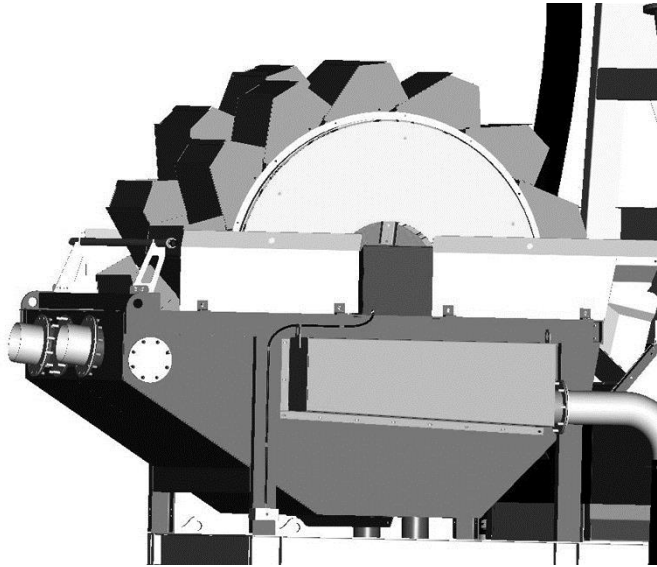
- 300m³ Hr

OPTIONS

- Galvanised structure
- Bolt on boiler box
- Control panel
- Dewatering screen spraybars
- Adjustable blending chute



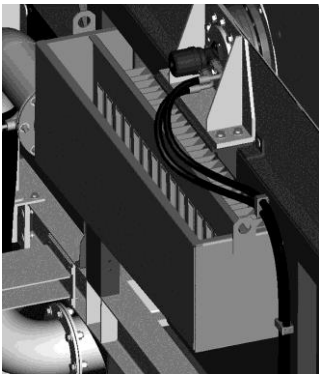
BUCKET WHEEL



Twin buckets allows for two final products



Integrated electric powerpack for bucket wheel speed adjustment



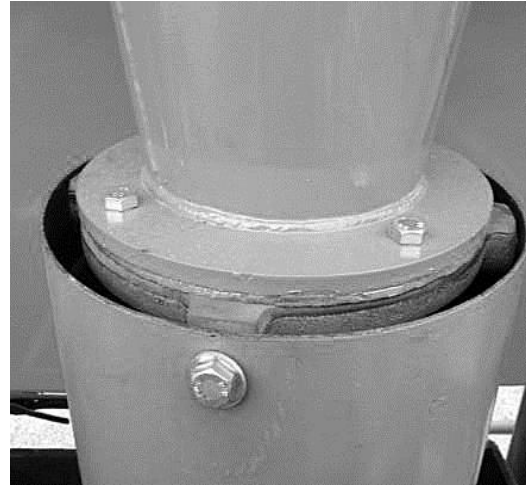
Weir discharge system



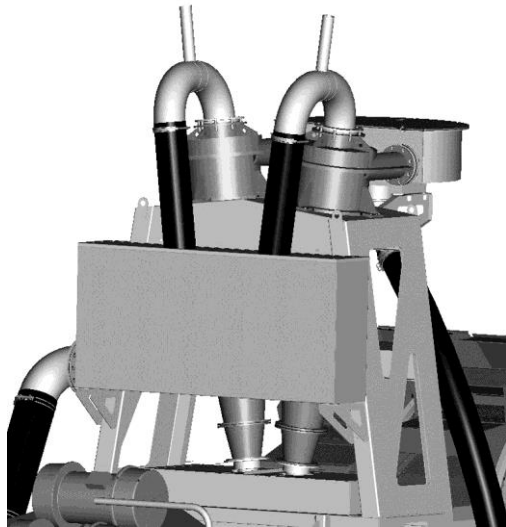
Anti-turbulence inlets in bucket tank

CYCLONE

- Two G4 500 hydrocyclones
- Spigot discharge
- All wear areas rubber lined
- Pump capacity 300m³
- Underflow collection box
- Pressure flange with pressure gauge and protector
- 250mm (10") rubber lined slurry delivery hose



Rubber lined spigot



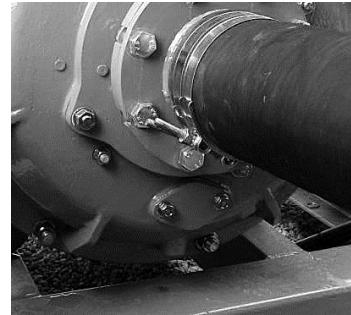
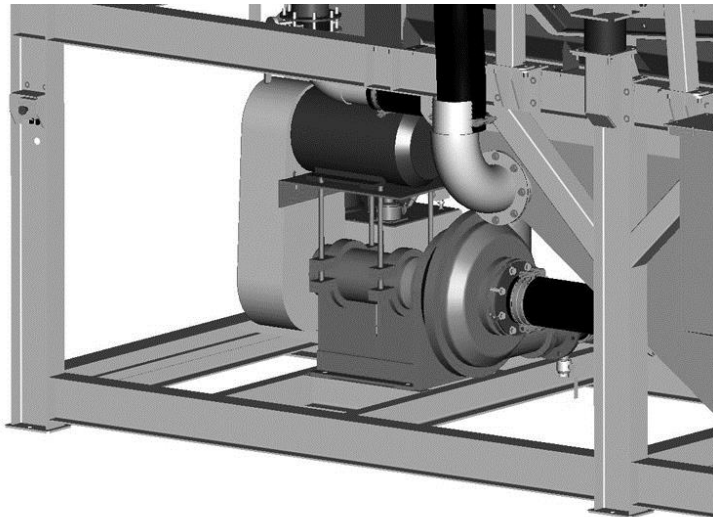
Rubber lined sealed slurry transfer pipe complete with heavy duty clamps



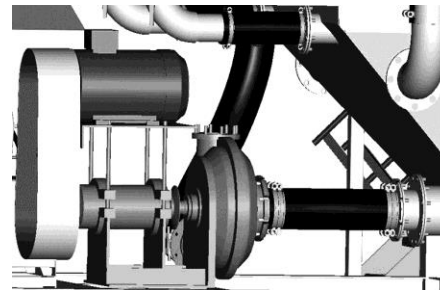
Movable chute to allocate fine material to the coarse product

CENTRIFUGAL PUMP

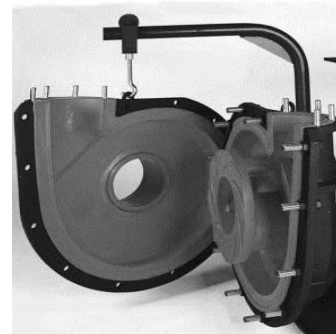
- Size 200/150mm (Heavy duty rubber lined)
- Motor 30kW (40hp) (IP55 enclosure)
- Max working pressure 6 bar
- Typical flow rate 300m³ (1100 GPM)
- Abrasion resistant liners
- Moulded rubber impeller
- Excellent serviceability



Pump drain for cold climate applications



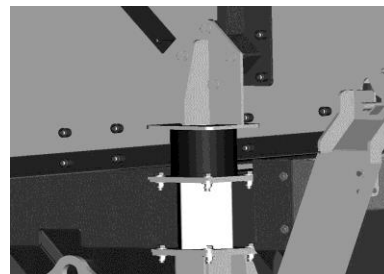
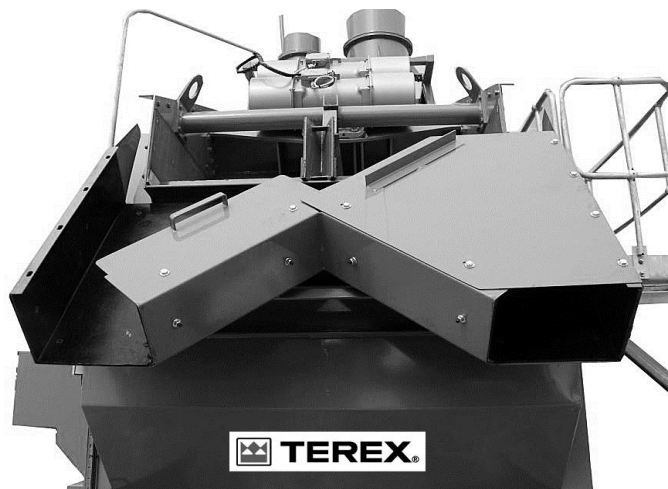
Easy access for ease of maintenance



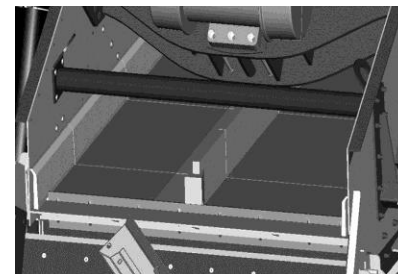
Fully rubber lined for increased wear life

DEWATERING SCREEN

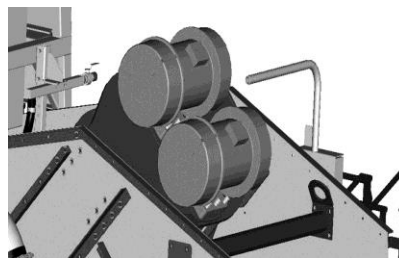
- 4.3m x 1.8m (14' x 6')
- Vibratory motors 6.6kW (8.5hp) (2off) 960 rpm
- Screen aperture 0.5mm
- Exceptional dewatering performance
- Modular screen decks
- Side protection liners
- Marshmellow[®] screen mounts for smoother running
- Plastic lined discharge chute



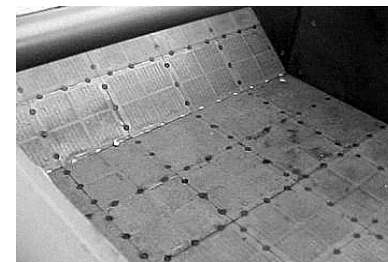
High efficiency rubber screen mount for minimal vibration



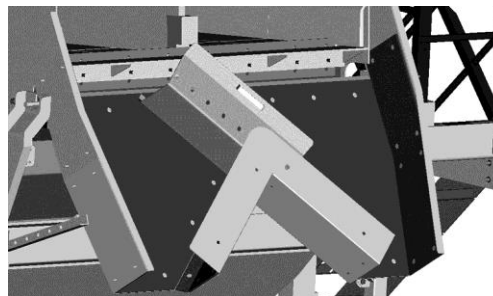
Division plate to allow dual grade product



Low noise vibrating motor



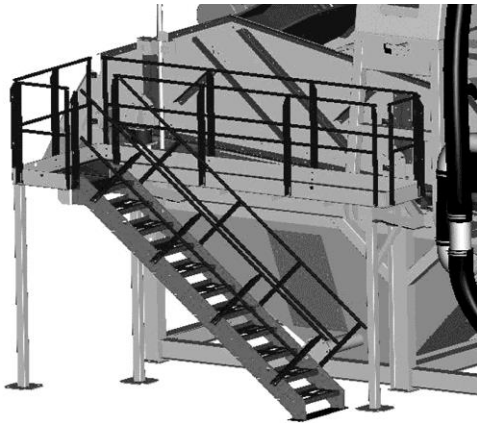
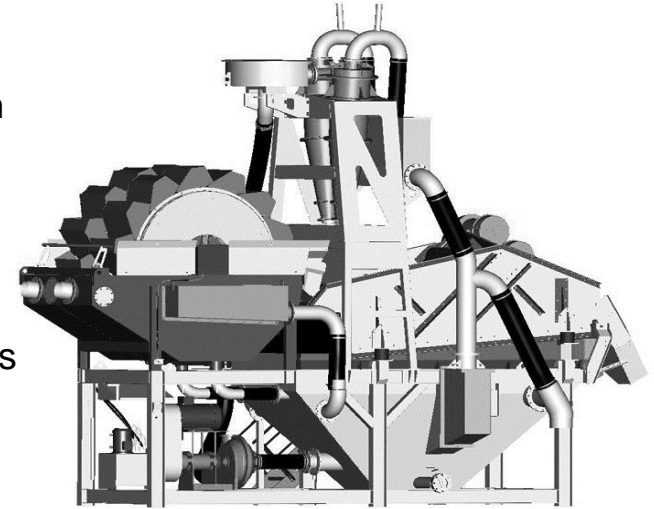
0.5mm discharge panels fitted to screen



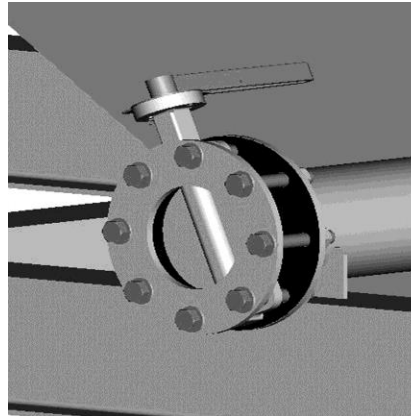
Plastic lined chute

CHASSIS

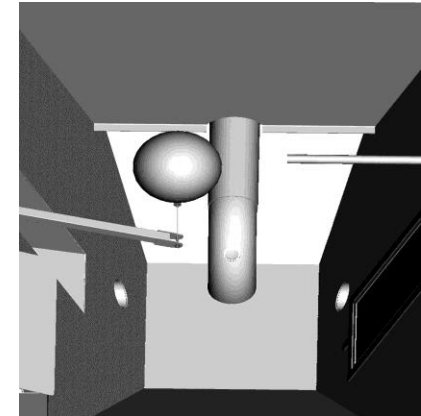
- Self regulating cyclone tank complete with built in float system
- Build in anti-turbulence sections
- Heavy duty steel construction
- Easy access to serviceable areas
- Can be broke down into sections and transported in containers
- Walkway and steps for ease of maintenance



Walkway and steps for ease of maintenance



Integrated tank drains for ease of maintenance



Float system for self regulation of tank water level

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