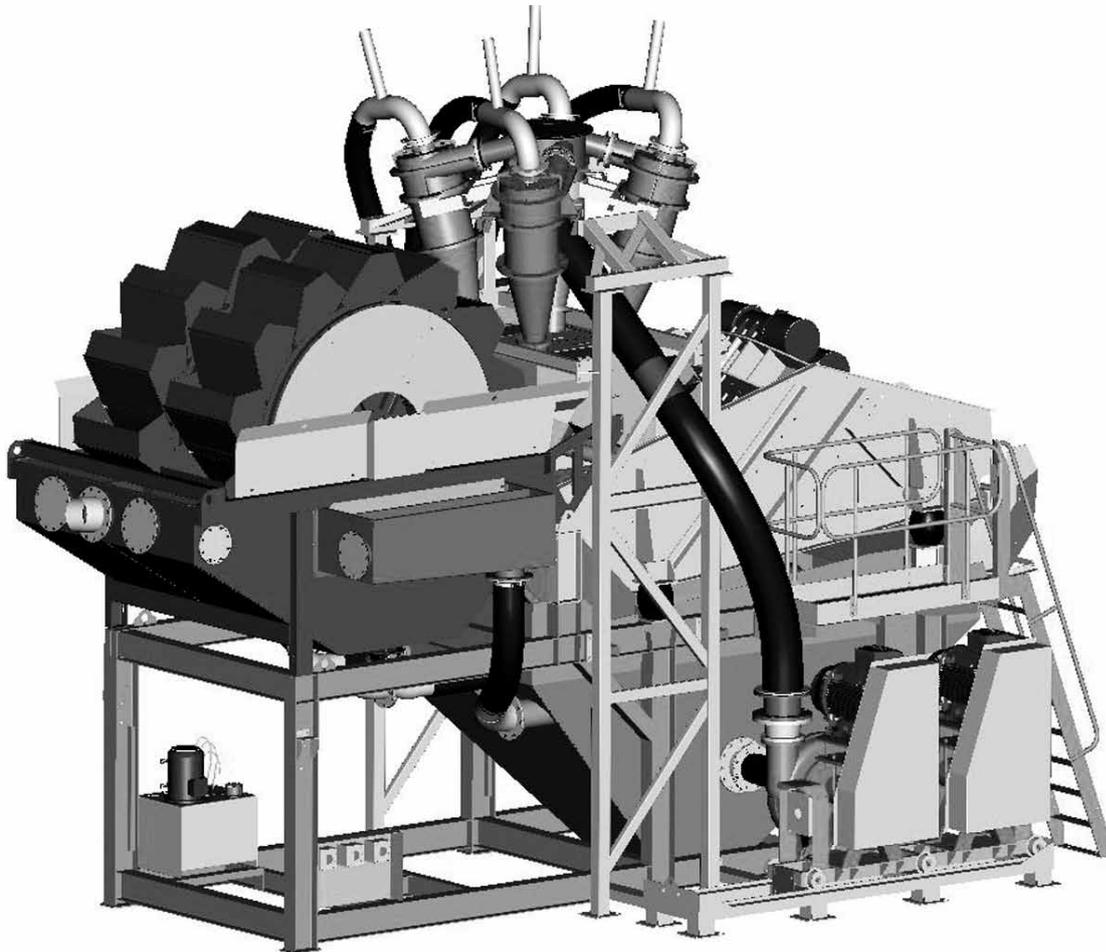


FM 200 SUPERFINES



FEATURES

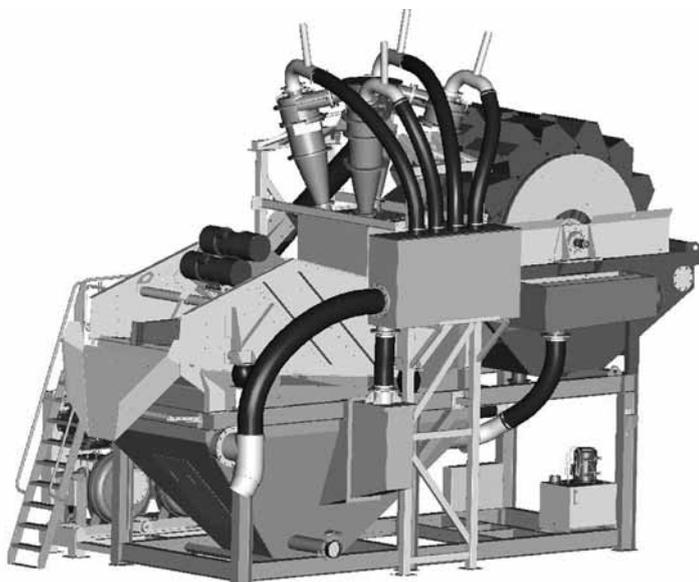
- Static sand recovery unit on one chassis
- 2 centrifugal slurry pumps
- 4 hydrocyclones
- Collection tank
- 14 x 6 dewatering screen
- Produces one grade classifying at approximately 40 micron
- Designed to work in conjunction with Terex Washing Systems range

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 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



SPECIFICATIONS

TECHNICAL DIMENSIONS

WEIGHT	18.500kg (40.700lbs)
WORKING WIDTH	4.00m (13' 2")
WORKING LENGTH	8.1m (26' 7")
WORKING HEIGHT	6.32m (20' 9")
FEED HIGH	3.1m (10' 2")
PRODUCTION DISCHARGE	1.70m (5' 5")
WASTE WATER DISCHARGE	1.15m (3' 10")

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
- Dredged material
- Filter bed sands
- Recycled materials
- Iron ore
- Most materials which need to be washed

CYCLONE TANK

Self regulating cyclone tank complete with built in float system

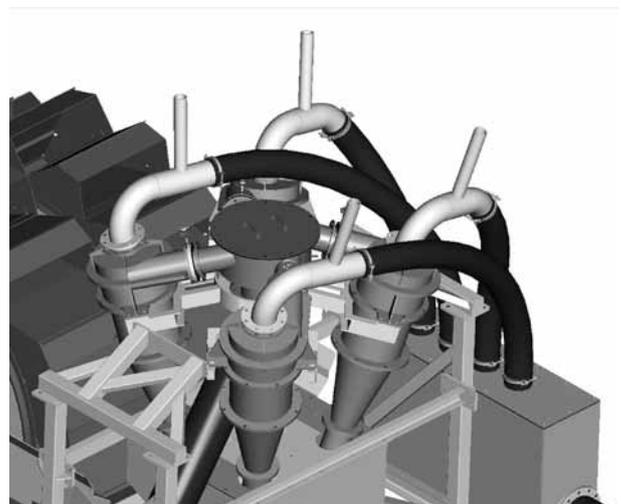
Rubber lined anti-turbulence inlet

Integrated tank drains for ease of maintenance

Easy access to all serviceable areas

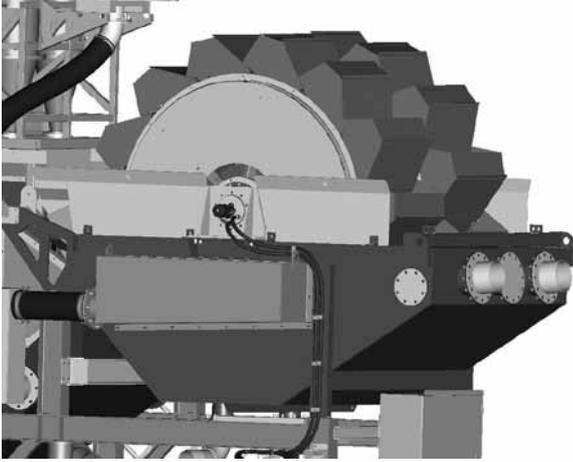
Integrated overflow weir

BS EN ISO approved walkway and steps

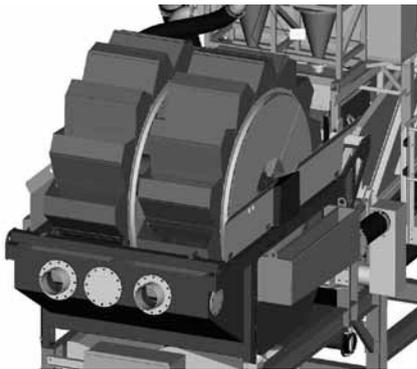


BUCKET WHEEL

BUCKETS	28 off (double grade)
BUCKET VOLUME	0.117m ³ (each)
DIAMETER	2.6m (8ft 6ins)
WIDTH	750mm (30ins)
BUCKET SPEED	0–125 rpm
POWER PACK	7.5kW (10hp)



Weir discharge system



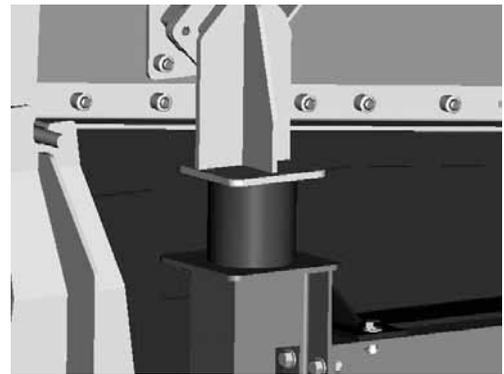
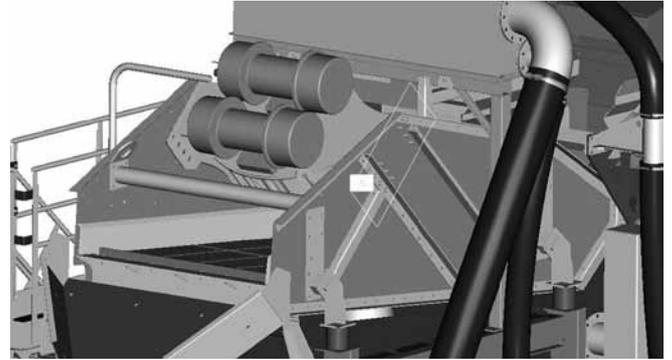
Twin buckets allows for two final products



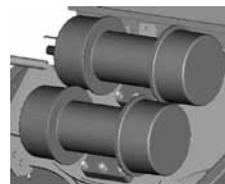
Integrated electric powerpack for bucket wheel speed adjustment

DEWATERING SCREEN

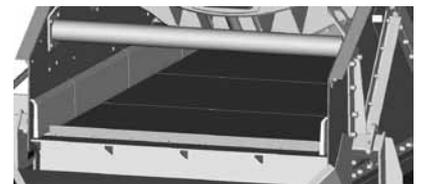
SIZE	4.3m x 1.8m (14 x 6)
VIBRATORY MOTORS	4kW (5.5hp)(2off) 960 rpm
SCREEN APERTURE	0.5mm
EXCEPTIONAL DEWATERING PERFORMANCE	
MODULAR SCREEN DECKS	
SIDE PROTECTION LINERS	
MARSHMELLOW® SCREEN MOUNTS FOR SMOOTHER RUNNING	
RUBBER LINED DISCHARGE CHUTE	



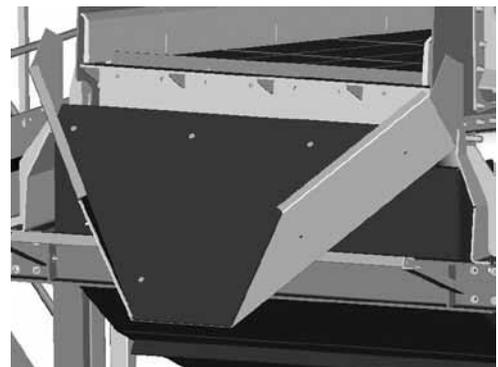
High efficiency rubber screen mount for minimal vibration



Low noise vibrating motor



0.5mm discharge panels fitted to screen



Plastic lined chute

STATIC 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

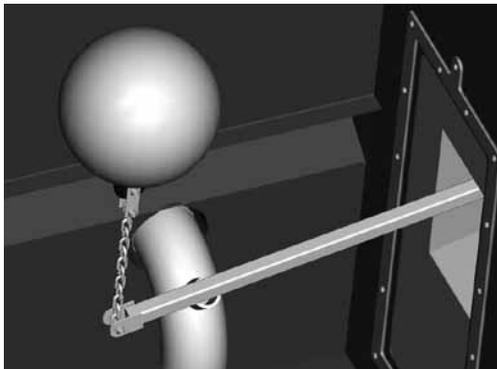
Can be broke down into sections and transported in one 40ft and one 20ft container

Walkway and steps for ease of maintenance

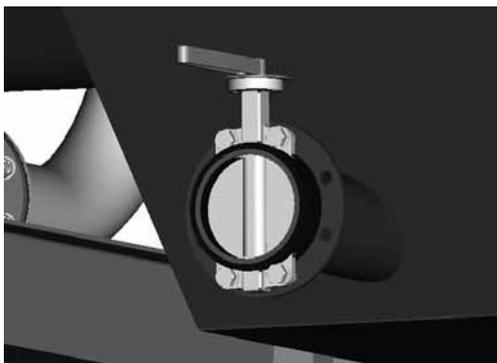
Collapsible easy build chassis



Walkway and steps for ease of maintenance



Float system for self regulation of tank water level



Integrated tank drains for ease of maintenance

CENTRIFUGAL SLURRY PUMP

Impeller has a thick hydrodynamically efficient rubber over steel reinforcing gives optimum performance

Field-proven abrasion and corrosion resistant casing liners give maximum wear life

The Dry Gland Seal is fitted with a stationary hard wearing face flexibly held against a rubber rotating ring

Fully enclosed heavy duty bearing and shaft assembly gives long service life

Direct coupled overhead electric drive with Vee-belts

G4 HYDROCYCLONES

Four rubber lined hydrocyclones which classify at approximately 40µm (400 mesh).

An interchangeable inlet wedge is a unique feature of the G4 Cyclone. The wedge allows operators the opportunity to quickly change the size of the inlet and fine tune the cyclone performance

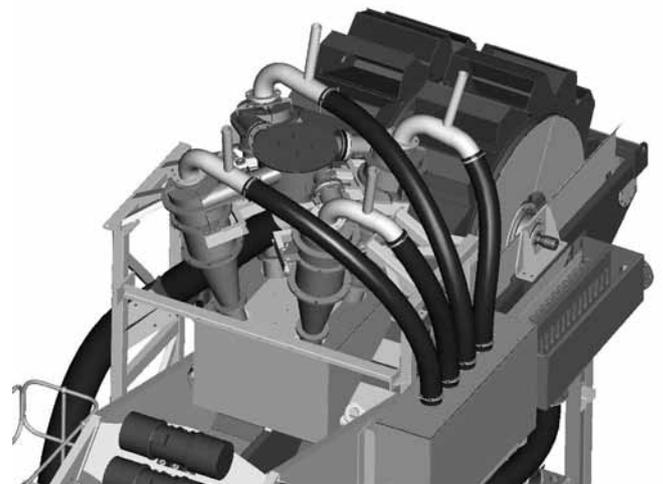
The feed slurry is introduced to the body of the cyclone in a tall rectangular ribbon. The feed transition physically moves the solid particles closer to the wall of the cyclone minimizing the distance travelled during the separation process and results in improved efficiency

The scrolled and swept inlet head allows the cyclone feed to be introduced to the cyclone without interfering with the separation stream. This means all forces acting on the slurry during separation are maximized and turbulence is minimized

Wear liners reduce maintenance cost due to their superior resistance to abrasion

Improved liner wear performance maintains internal geometries and operational separation efficiencies for longer periods

Technical support from experienced engineers with a wealth of world wide operating experience backs up each Terex Washing Cyclone installation



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