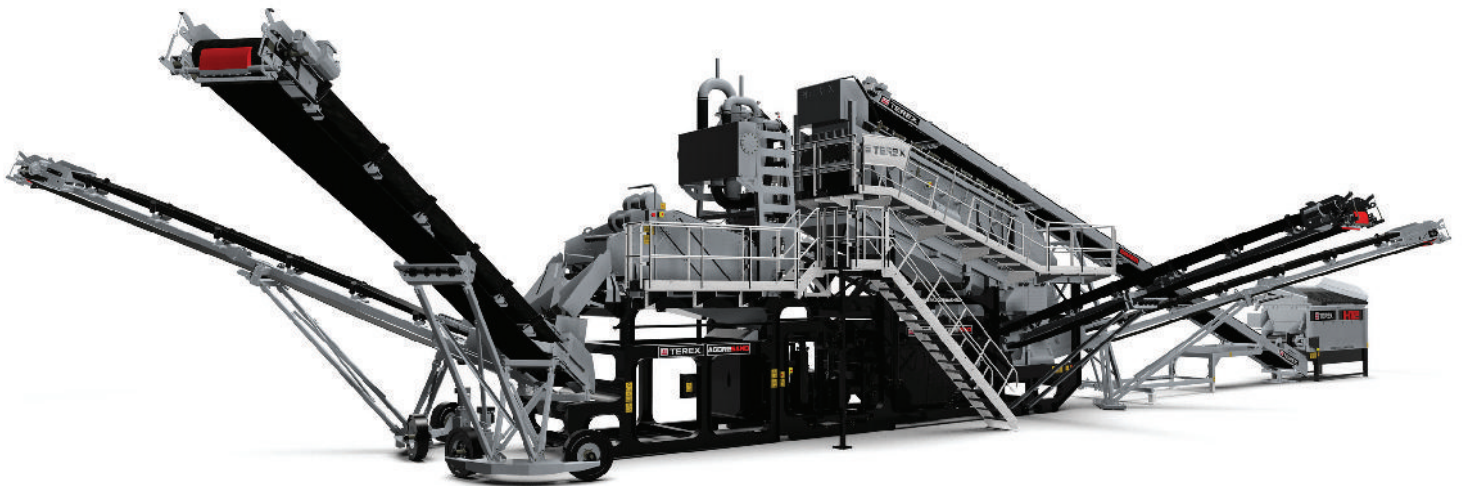


AggreSand



FEATURES

- 3 Aggregates, 2 Sand, 1 Machine
- Fully Modular
- Fully Automated
- Radio Controlled
- Containerised Transport
- Pre Wired & Pre Plumbed
- 1 Day Set-Up
- 1 Electrical Connection Point
- 1 Water Connection Point

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

APPLICATIONS

- Virgin Aggregate
- C&D Waste
- Manufactured Sand

- Automated Radial Sand Stockpilers
- 350m³ Stockpile Per Conveyor

- 12x5 DW Screen
- Twin Sand Product
- High Energy Dewatering Screen Delivering Superior Moisture Reduction

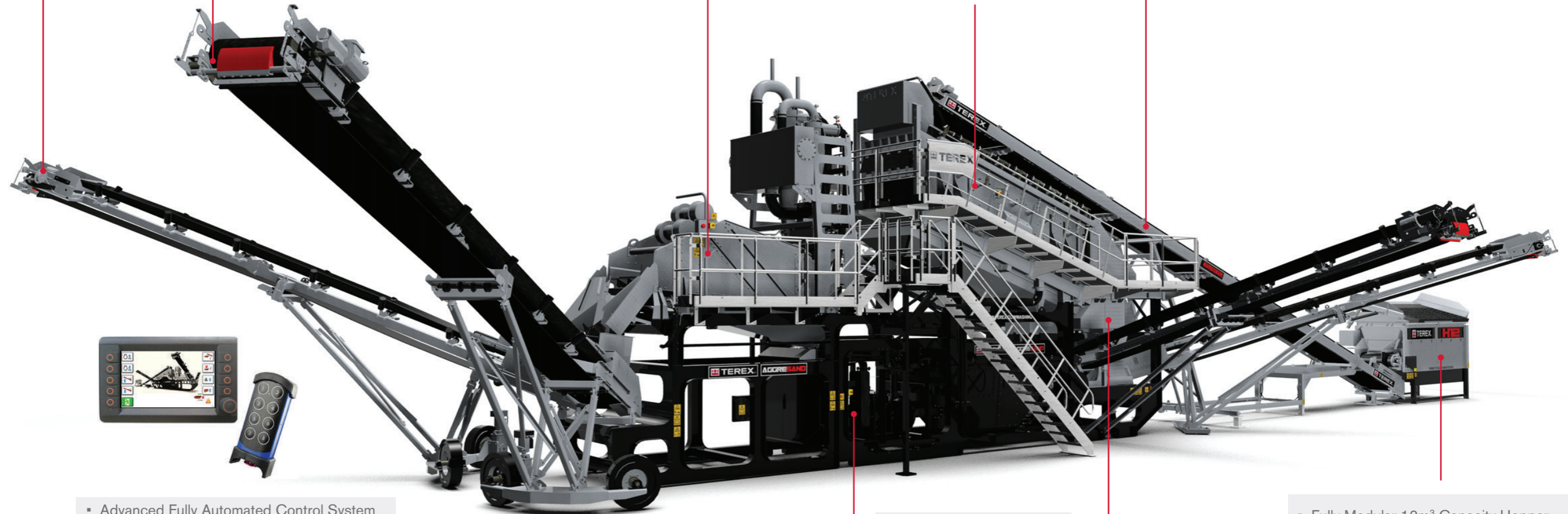
- 16x5 3 Deck, 2 Bearing Screen
- Isolated Spraybars
- Polyurethane Decks
- Fully Sealed Catchment Tank
- Aggregate Blending Chute
- Service Accessible Rolling Chute

- 1000mm Wide Belt
- Integrated Sealed Washbox
- Raisable Head Section For Screen Access

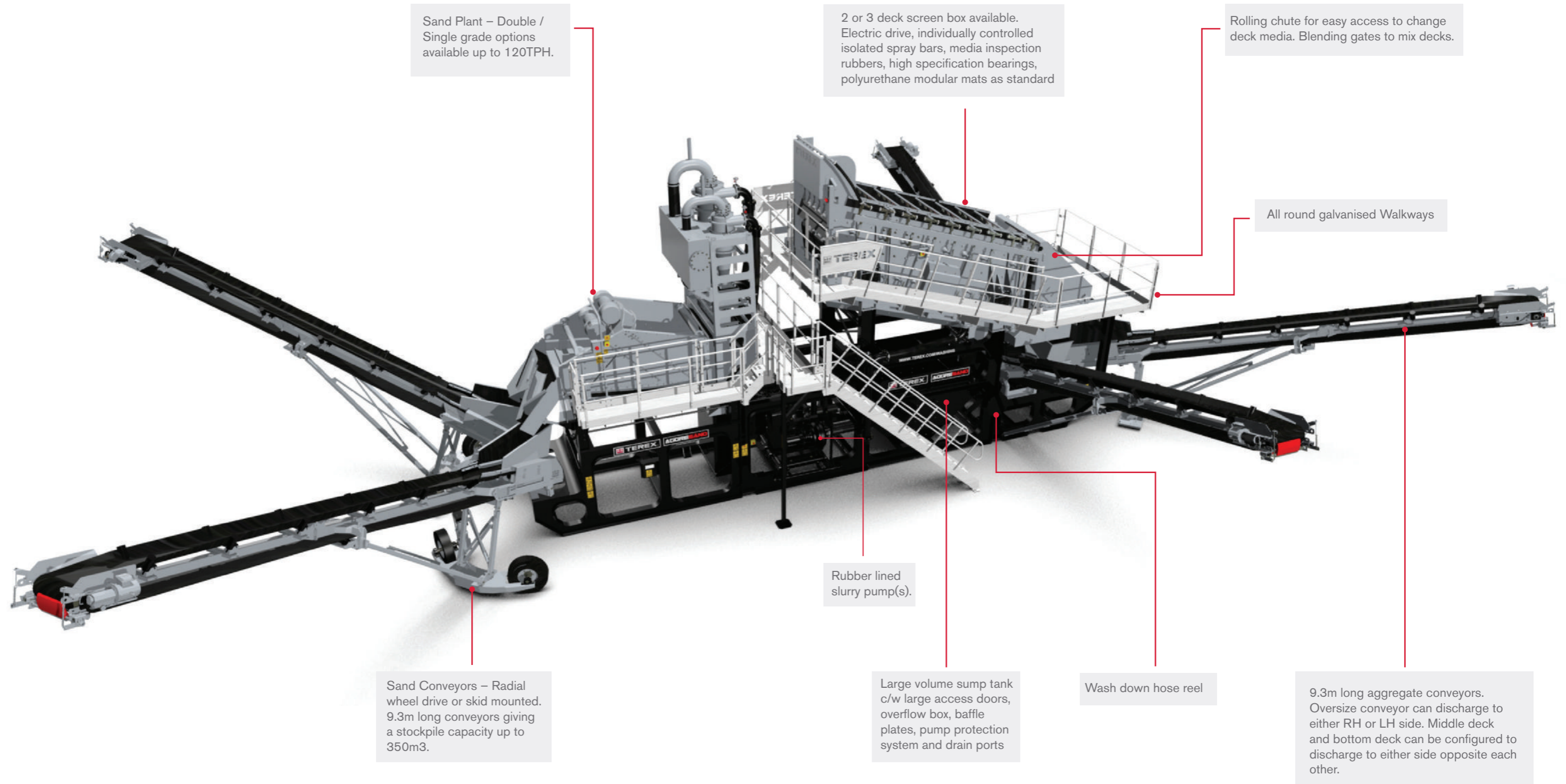
- Advanced Fully Automated Control System With Remote Communication And Radio Control

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

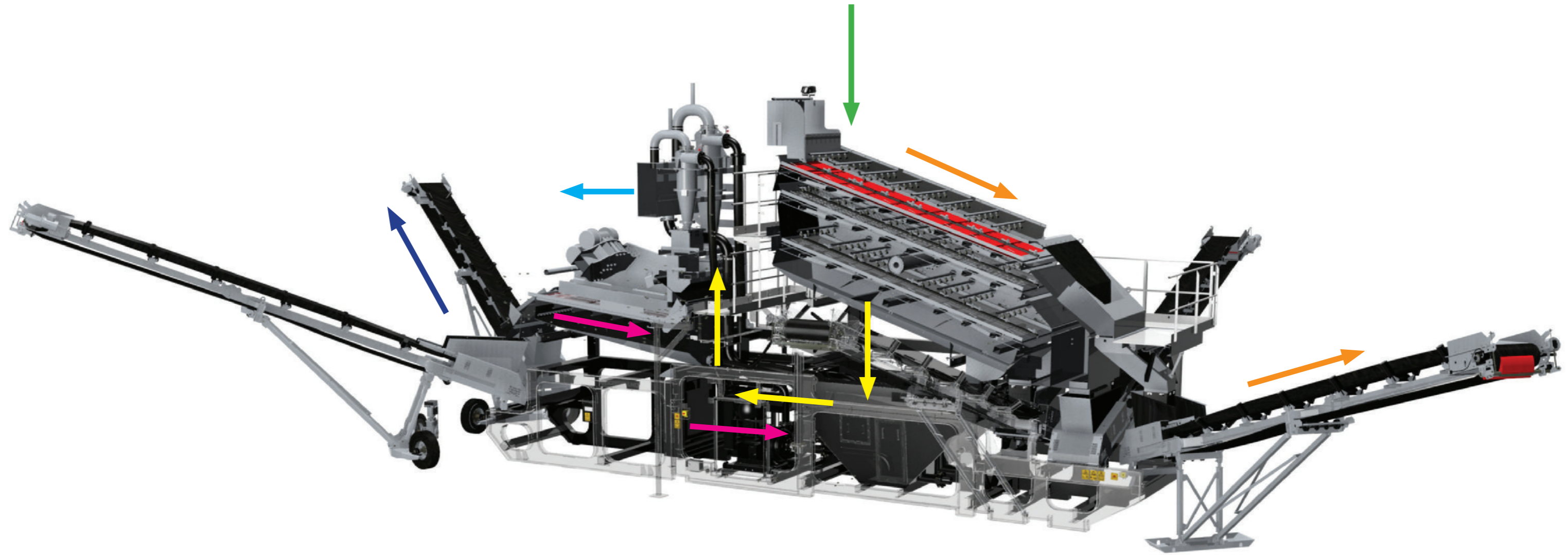
- Fully Modular 12m³ Capacity Hopper
- Radio Controlled Vibrating & Tipping Grid
- Variable Speed Belt Feeder
- Vibrating Grid Option






AGGRESAND KEY FEATURES



AGGRESAND FLOW

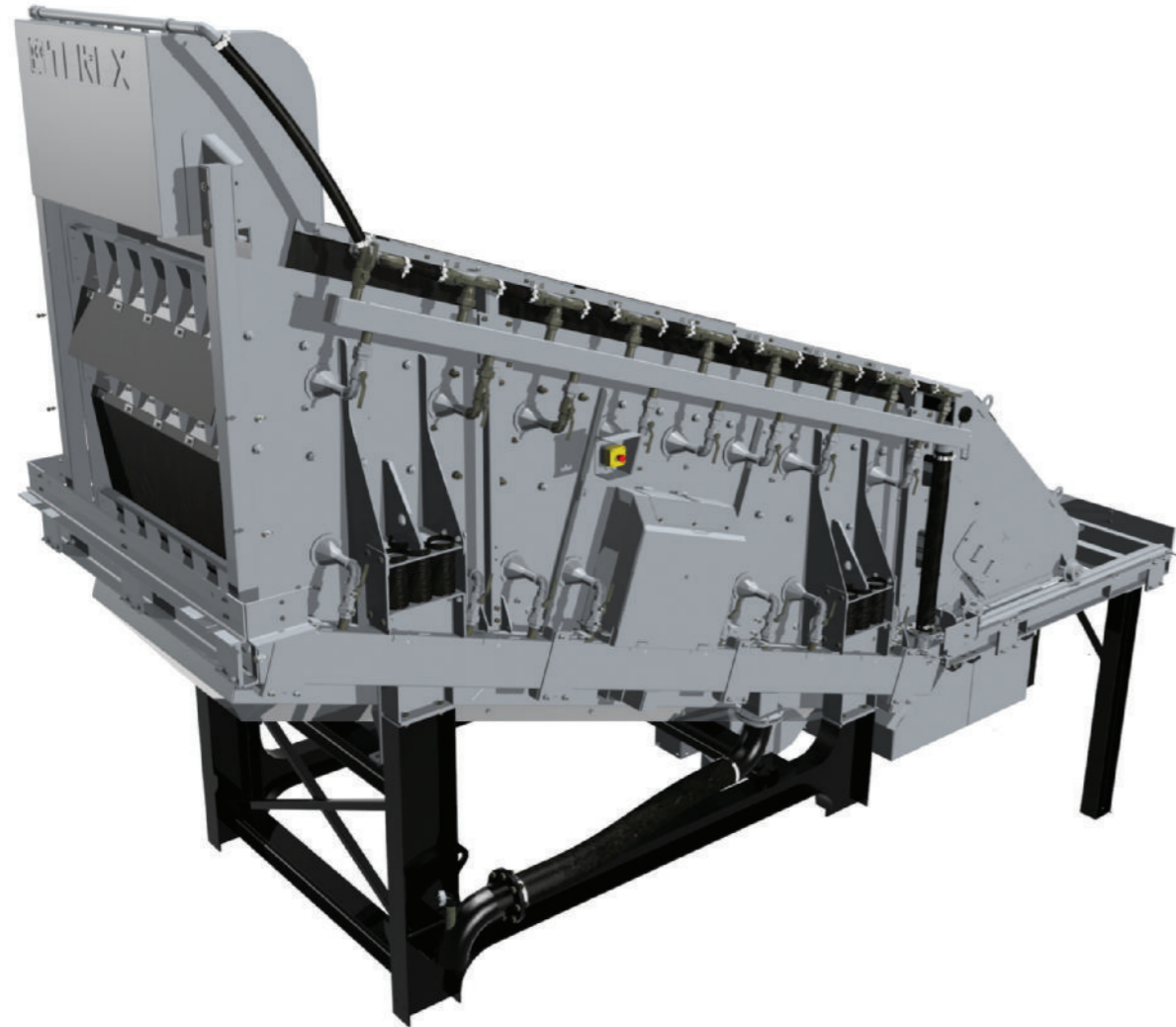


KEY

-  Raw material fed from feed conveyor
-  Washed aggregate for stockpile
-  Slurry (sand & water)
-  Dewatered sand for stockpiling
-  Cyclone overflow to water treatment (water & silt)
-  Dewatering screen underflow back to sump tank

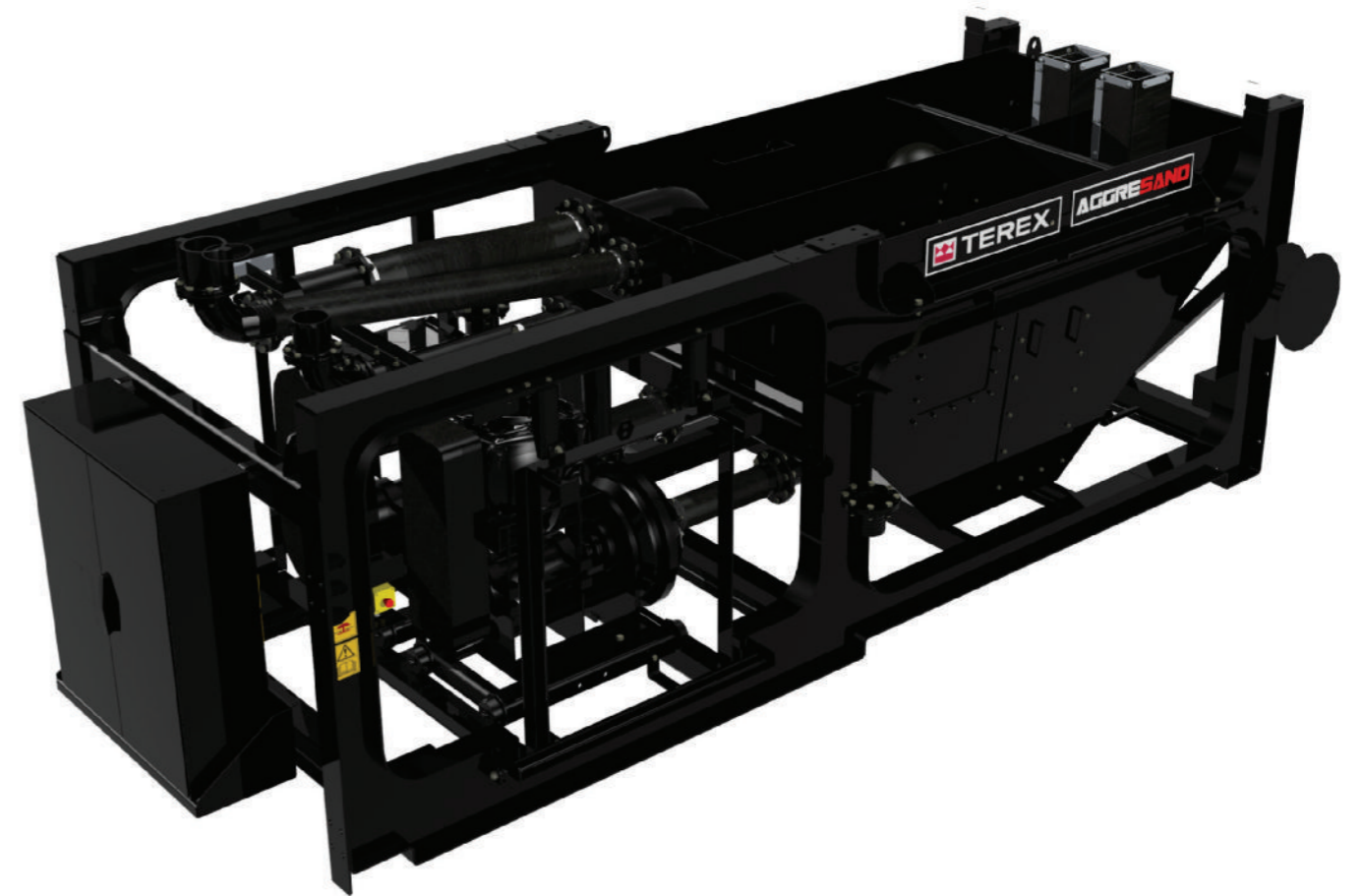
AGGREGATE SCREEN

- 2 or 3 deck Screen box option
- Electrically driven
- Fixed 18 degree working angle
- Spring mounted
- Enclosed rubber lined wash box c/w independently controlled spray bar
- 8 independently controlled isolated spray bars per deck c/w fan tail plastic nozzles
- Polyurethane modular decks as standard (mesh deck option)
- Lined rolling chute arrangement c/w blending capabilities
- Rubber lined catch box (c/w 1/3-2/3 rubber lined division plate for dual sand models)
- Rubber lined discharge chutes
- Pressure clock on manifold
- Inspection flaps to view screen media



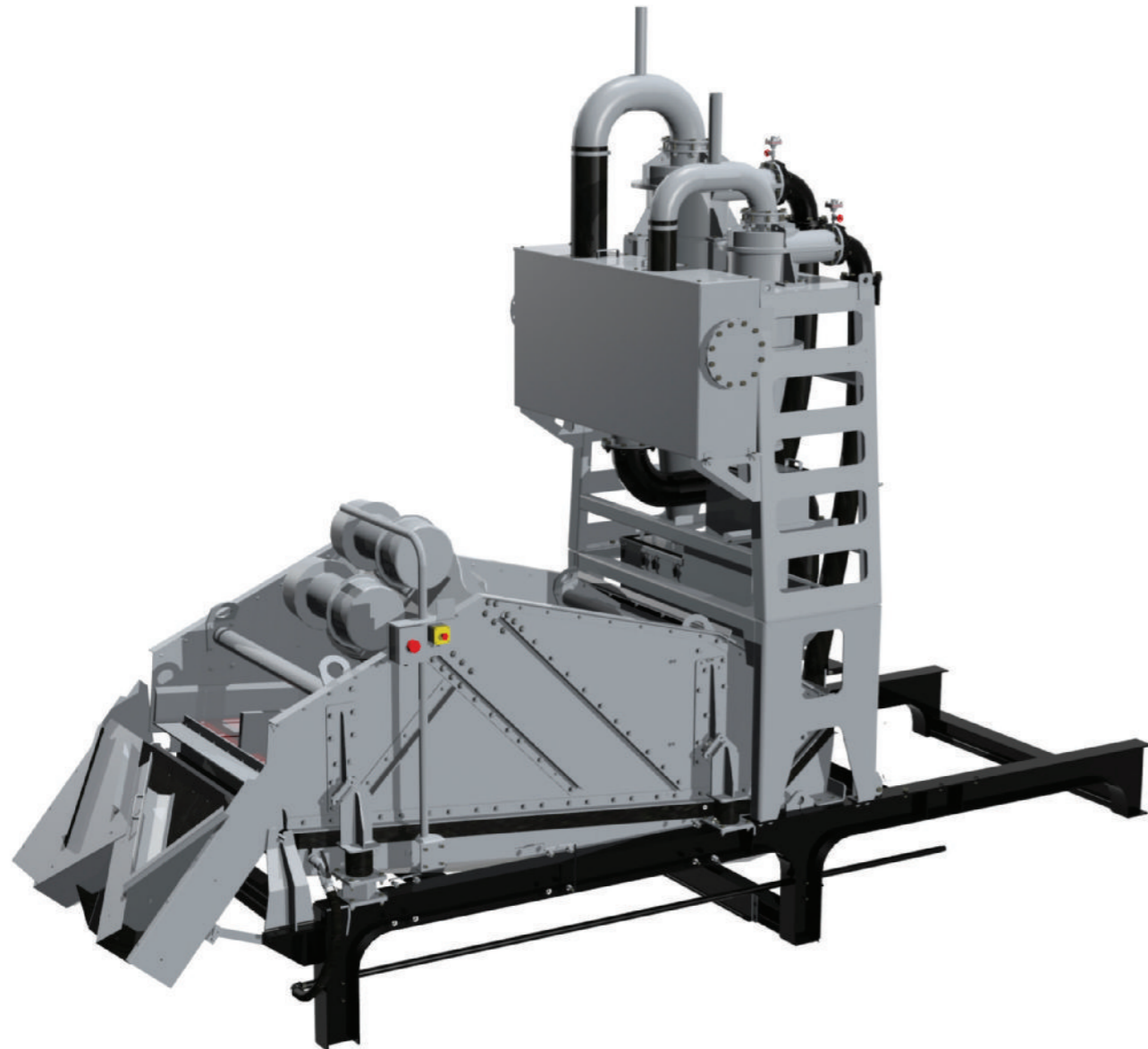
CENTRE CHASSIS

- Rubber lined slurry pump(s) situated upon roll out maintenance platforms
- Ceramic lined bends
- One point water feed
- Pre-wired control panel with external HMI panel
- Large volume sump tank
- Plant wash down reel
- Sump Tank
- Split tank for double grade (double grade only)
- Float on coarse side of tank (double grade only)
- Letterbox on divider plate to keep tank levels equal (double grade only)
- Overflow box
- Large inspection doors (both sides on double grade)
- Tank drain (both sides on double grade)
- Anti-turbulence baffle plates
- Replaceable rubber lined wear plates on feed area



SAND PLANT

- High energy 12x5 Dewatering screen – dewatering up to 120TPH of sand
- Polyurethane modules and side protection bars
- Moulded central division plate (double grade only)
- Rubber lined cyclones
- Ceramic lined inlet bends
- Rubber lined underflow boxes - c/w quick release lid
- Rubber lined blending box - c/w quick release lid (double grade only)
- 5.5m dirty water discharge height
- Rubber lined catch box for screen underflow
- Spray bar in catch box
- Polyethylene wear board in discharge chute
- Adjustable discharge blending chute – double grade only
- Pressure gauge to monitor cyclone inlet pressure
- High specification cyclone inlet hoses c/w flanges



AGGREGATE CONVEYORS

- Rigid – folded for transport
- Plain 26" (650mm) wide belt
- 18 degree angle
- SCS tear drop scraper (option)
- Direct drive electric gearbox
- 9.3m long
- 4.1m discharge height
- 3 deck oversize conveyor can discharge to right or left side

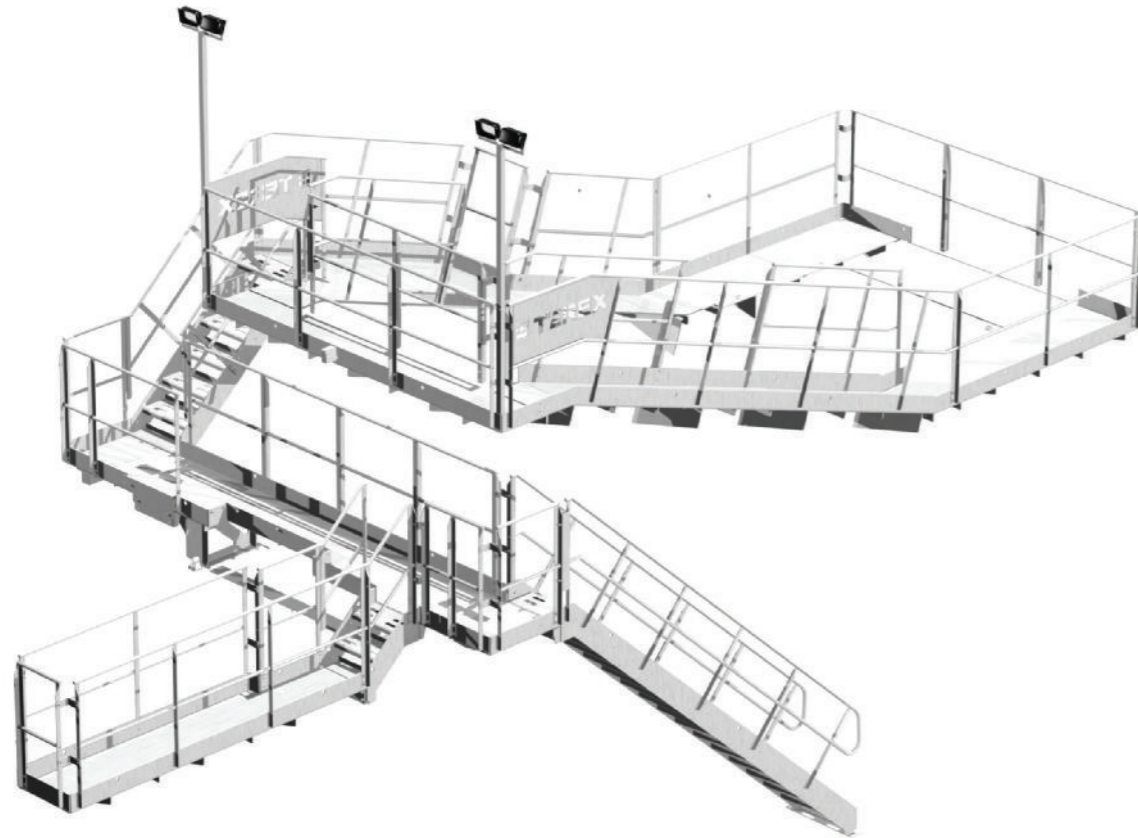


SAND CONVEYORS

- Rigid – folded for transport
- Radial – skid mounted as standard
- Radial – wheel drive option
- Plain 26" (650mm) wide belt
- 20 degree angle
- SCS tear drop scraper (option)
- Direct drive electric gearbox
- 9.3m long
- 4.9m discharge height

WALKWAYS

- Galvanised
- Walkway round both sides of machine
- Expanded metal walkway floors
- Curved ends on handrails
- 600mm wide



CONTROL SYSTEM

- Robust full color graphic HMI (Human Machine Interface)
- Automated Start / Stop sequence of all plant items
- Automated sequence shutdown on fault detection
- On-screen display of all key Parameters inc:
 - Inlet water Flow
 - Cyclone pressure
 - Hydraulic oil level and temperature
 - All motors load currents and voltages
- Radio control of
 - Plant Start / Stop
 - Feeder Start / Stop
 - Sand Conveyor Radial Drive
 - Tipping Grid Raise / Lower
 - Plant Lighting On / Off



OPTIONS

- Telemetry System with remote communication of all alarms and status such as TPH via text message and / or email (can be tailored to exact requirements)

FEED SYSTEM

HOPPER

CAPACITY	12m ³
GRID SPACING	100mm (4")

2 DECK VIBRATING GRID

WORKING ANGLE	10-20°
TIPPING ANGLE	45° max
MOTOR	59cc/rev

POWERPACK

OPTION 1 POWER REQUIREMENTS (FEEDER ONLY)	11kW
OPTION 2 POWER REQUIREMENTS (FEEDER/RADIO TIPPING)	11kW
OPTION 3 POWER REQUIREMENTS (LIVE HEAD/FEEDER/RADIO TIPPING)	22kW

FEED CONVEYOR

LENGTH	18.7m
BELT	1000mm

TECHNICAL INFORMATION

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	15kW	15kW	15kW
MOUNTING	Spring	Spring	Spring	Spring
SCREEN BEARINGS	4 bearing	2 bearing	4 bearing	2 bearing
MAX SPRAYBAR WATER THROUGHPUT @ 2 BAR	235m ³ /hr	340m ³ /hr	235m ³ /hr	340m ³ /hr

SAND PLANT

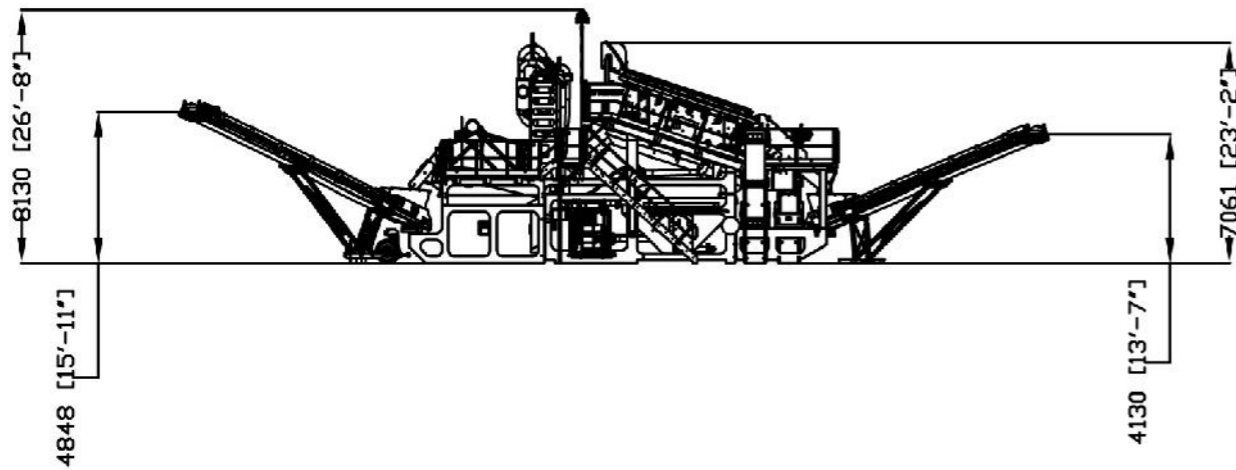
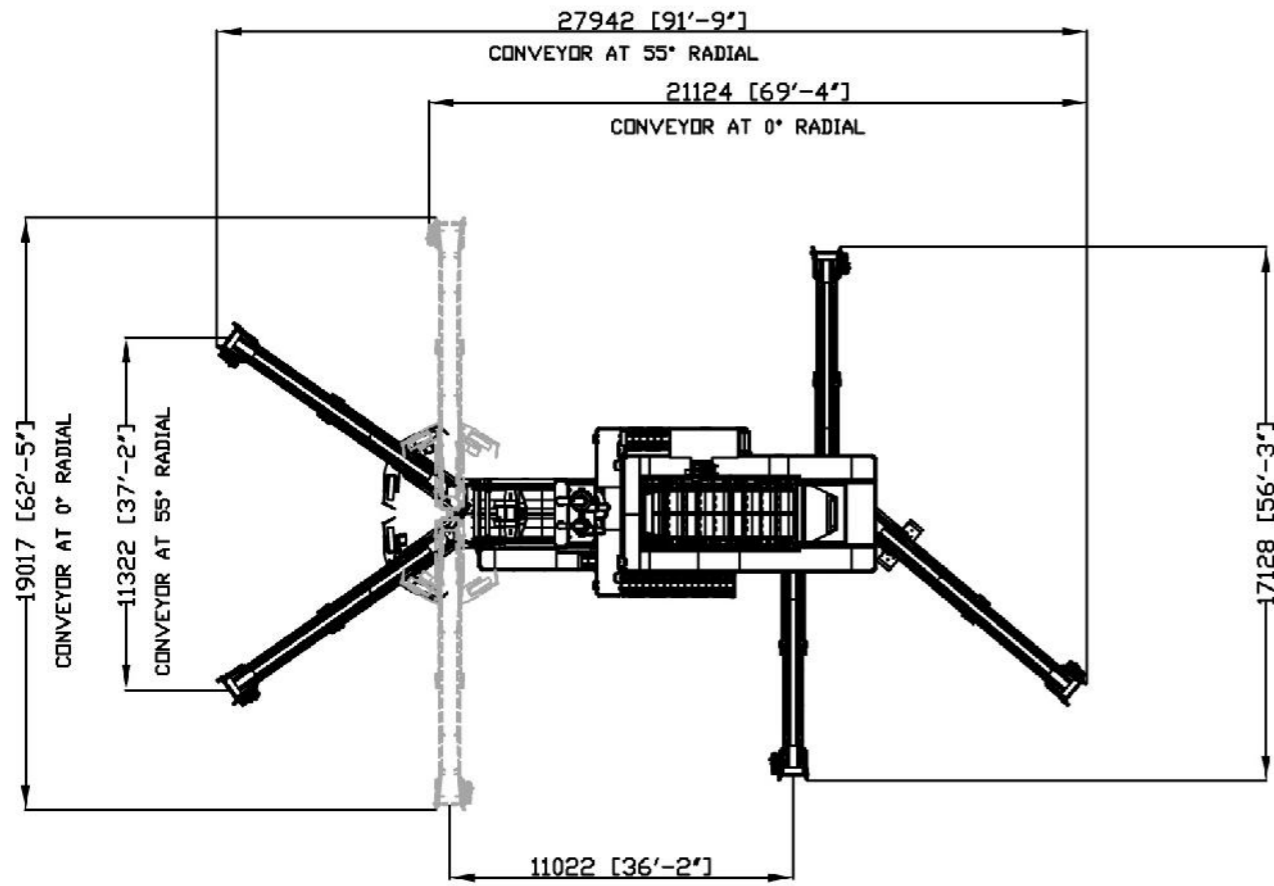
DEWATERING SCREEN	3.7x1.5m (12'x5")	3.7x1.5m (12'x5")	3.7x1.5m (12'x5")	3.7x1.5m (12'x5")
FINES PUMP	150/125 - 15kW	150/125 - 15kW		
COARSE PUMP	200/150 - 22kW	200/150 - 22kW	200/150 - 30kW	200/150 - 30kW

STOCKPILE CONVEYORS

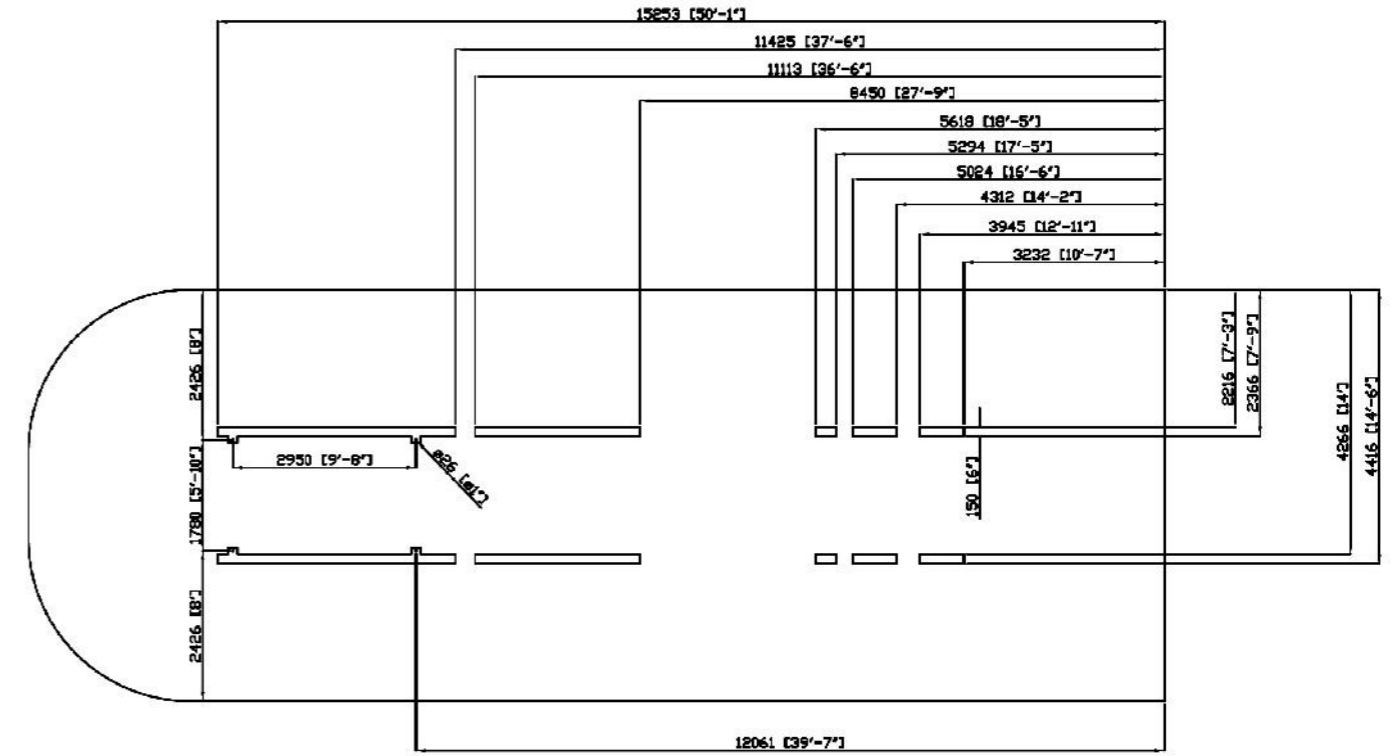
QUANTITY	4	5	3	4
LENGTH	9.3m	9.3m	9.3m	9.3m
BELT WIDTH	650mm (26")	650mm (26")	650mm (26")	650mm (26")
BELT TYPE	650mm EP315	650mm EP315	650mm EP315	650mm EP315
	3 ply plain x 3+1.5 covers	3 ply plain x 3+1.5 covers	3 ply plain x 3+1.5 covers	3 ply plain x 3+1.5 covers
STOCKPILE CAPACITY - SAND	350m ³ (per conveyor)	350m ³ (per conveyor)	800m ³	800m ³
STOCKPILE CAPACITY - AGGREGATE	100m ³	100m ³	100m ³	100m ³
POWER REQUIRED	4kW	4kW	4kW	4kW
WHEEL DRIVE POWER REQUIREMENTS	0.37kW	0.37kW	0.37kW	0.37kW

DIMENSIONS

AGGRESAND WORKING DIMENSIONS



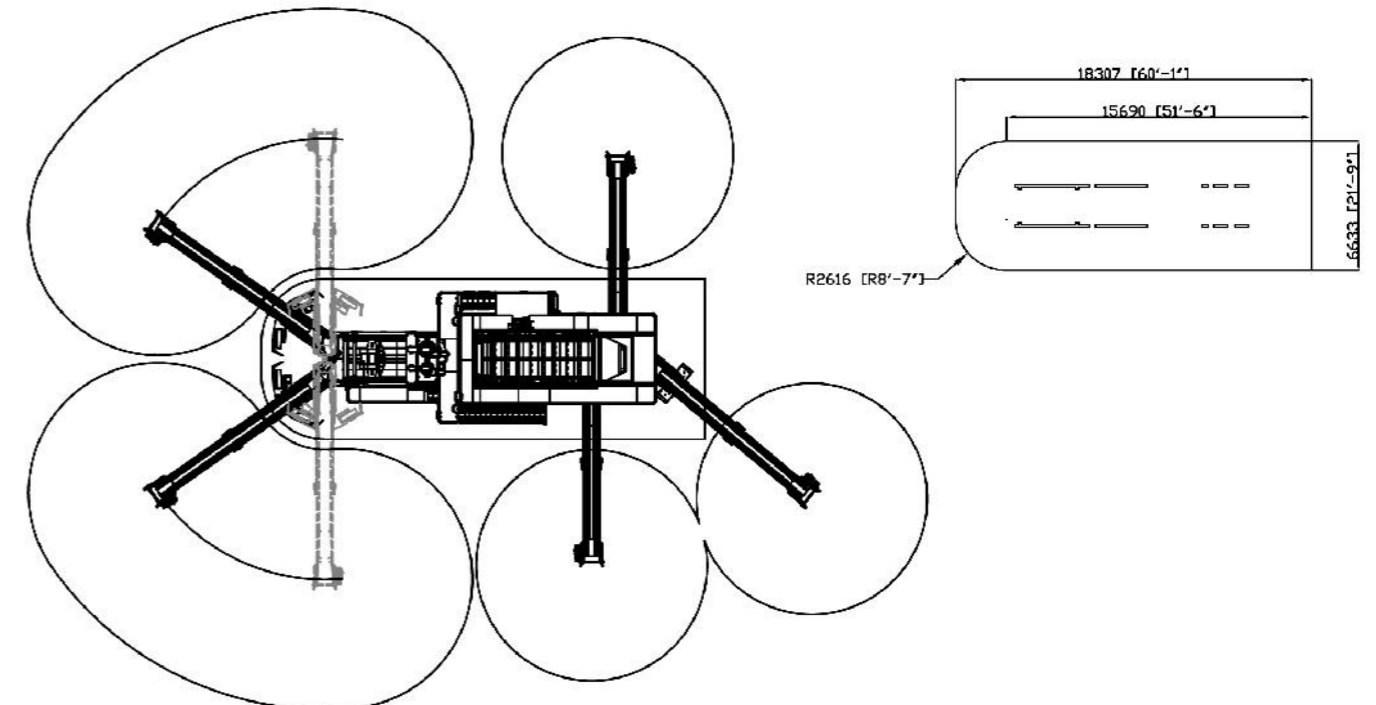
AGGRESAND FOOTPRINT



AGGRESAND

STATIC WEIGHT OF MACHINE ON FOOT PRINT (EMPTY)	40,500kg
DYNAMIC WEIGHT OF MACHINE ON FOOT PRINT (FULL)	52,200kg ±802kg (Vertical) ±401kg (Horizontal)

AGGRESAND PLINTH



TEREX WASHING SYSTEMS CONTACT DETAILS

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Tel: +44(0) 28 8771 8500

Email: TWS.sales@terex.com

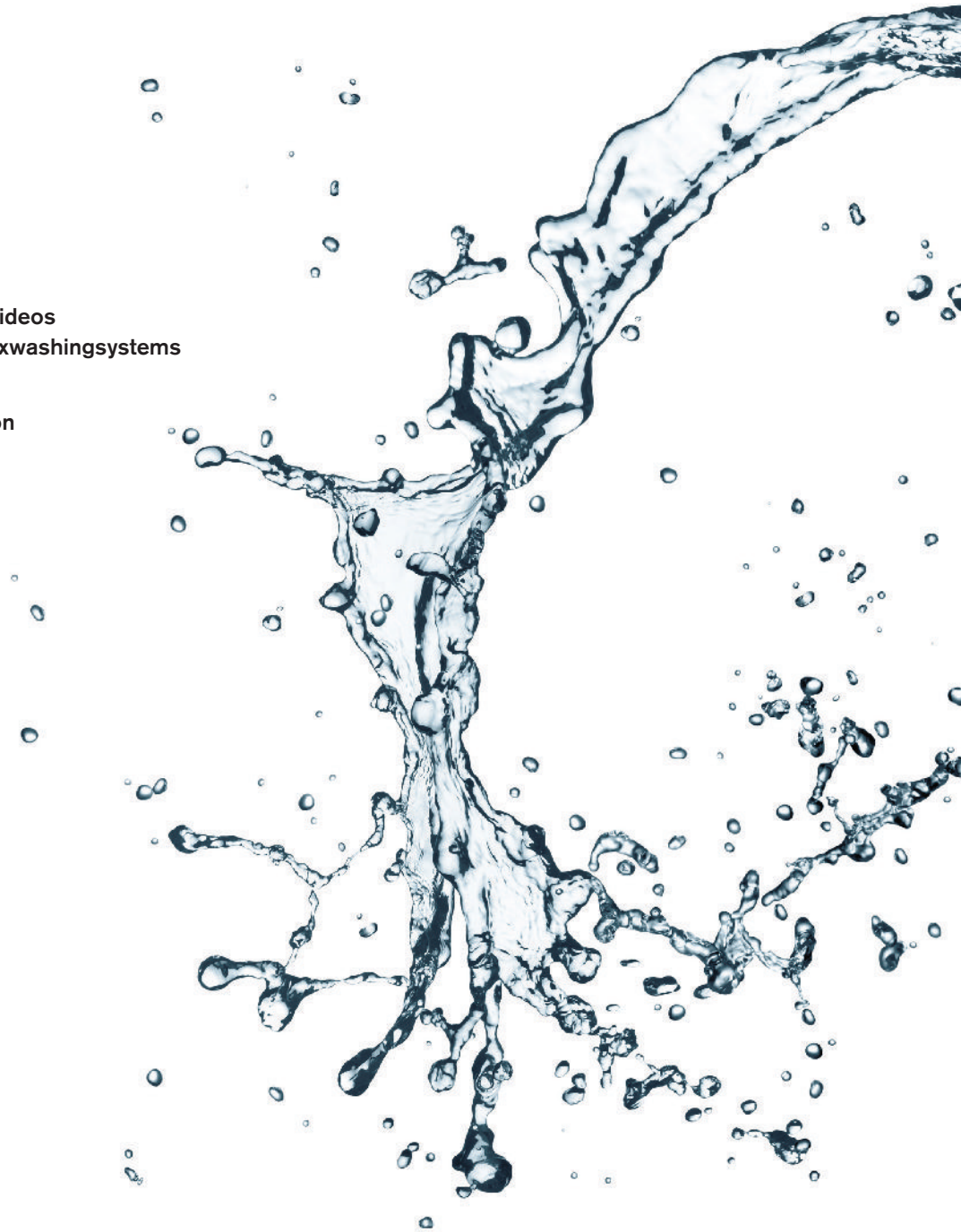
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