

MVT

**MUNTON
VIBRATORY TECHNOLOGY
(PTY) LTD**

SAMPLE PROJECT OVERVIEW

Service, Innovation & Design Excellence



MVT

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VIBRATORY
TECHNOLOGY
(PTY) LTD**

VISION

Our VISION at MVT is to be recognised globally as the brand of choice for vibrating screens and feeding equipment.

We strive to provide our customers with excellent machinery, that meets their needs and exceeds their expectations.

Our equipment is designed to be extremely durable, deliver excellent output and be simple to maintain.

We believe in supplying quality, and continually strive to improve our equipment through meaningful innovation.



SERVICE, INNOVATION + DESIGN EXCELLENCE

ESTABLISHED IN 2013

Tim and Chris Munton co-founded Munton Vibratory Technology (MVT) in 2013.

The father and son team has extensive and specialist experience in vibrating equipment.

Tim has worked in the industry for over 46 years. He first studied vibratory technology in Italy with Venanzetti in the 70's. Tim founded Vibramech in 1977. He ran Vibramech as MD for over 25 years, remaining central to the design of the company's vibrating equipment and gaining recognition as a leading design innovator in the sector.

Chris has many years dedicated experience in the field. Chris is central to design, maximising cost effectiveness and durability, while ensuring production and service excellence.

QUALITY LISTED CLIENTS

MVT has proven to be a young, dynamic company. In only ten years, our machinery is in operation across South Africa, the continent and abroad.

Quality listed clients have secured MVT as their supplier of choice for vibratory screens and feeders. They have entrusted us with unique and challenging projects, which we have embraced by implementing new design, technology and production methods.

CONTACT US

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1724**

www.mvt.za.com

Level 2 B-BBEE



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WORKS

**Munton Vibratory
Technology**
94 Albertina Sisulu Road
Technikon
Roodepoort
South Africa
1724

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& Design Excellence**

NEW LARGE-SCALE PRODUCTION FACILITIES

EXTENSIVE UNDERCOVER WORK-SHOP

In 2023, MVT acquired our exciting, new production facility in Technikon, Roodepoort.

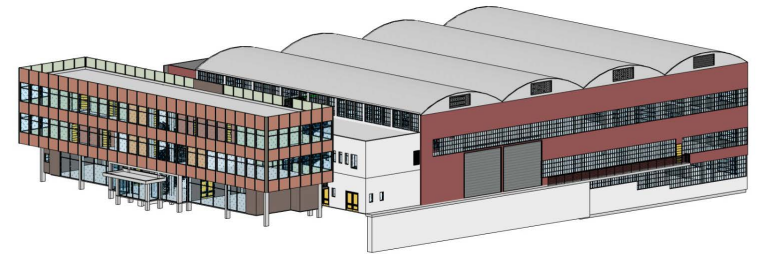
Our new premises extends over 8 500m² and includes 2 500m² undercover shop-floor, dedicated to all-weather fabrication.

CRANAGE & BLASTING

Our works are fully equipped with multiple cranes and we also handle our own blasting and painting to ensure high quality and efficient handling of all work-in-progress.

CAPACITY TO HANDLE LARGE PROJECTS

We have the capacity to build machines up to 32 tons and can handle large orders for multiple units.





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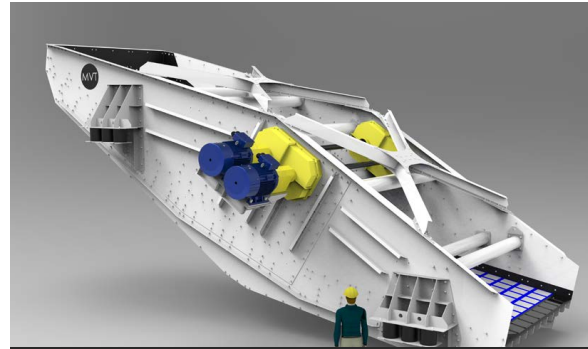
PRODUCT OFFERING

MVT offers you a full range of vibratory screening and feeding equipment. We are able to assist you with custom projects that ensure that your specific needs are met without compromise.

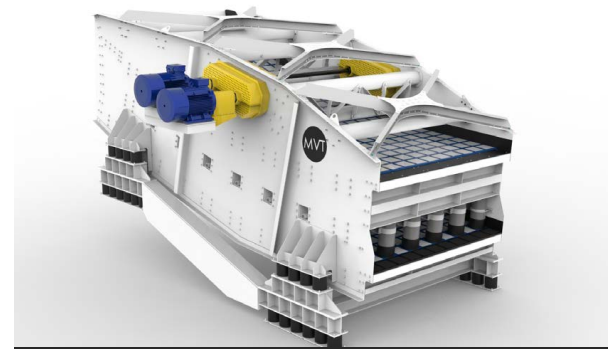
From specialised grizzly feeders to large, horizontal screens, we deliver machines that are built to last.

From concept to fabrication; commissioning to after sales service, your production capacity is our number one concern.

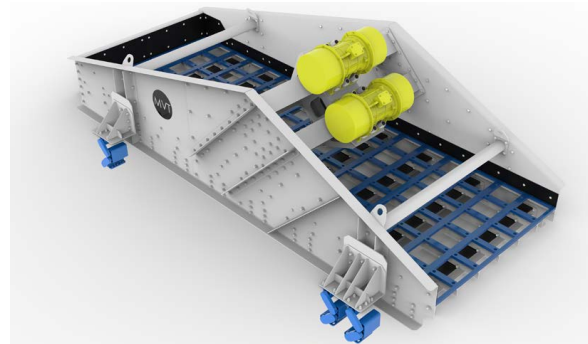
Service, Innovation & Design Excellence



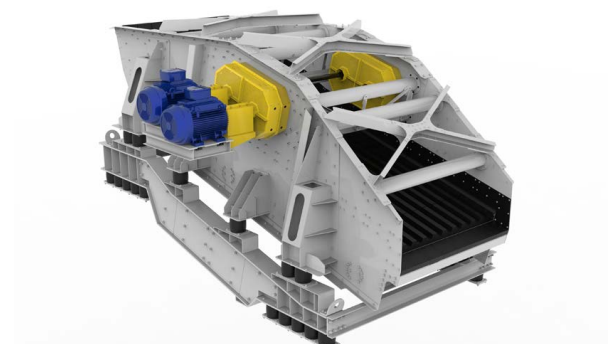
MULTISLOPE SCREENS



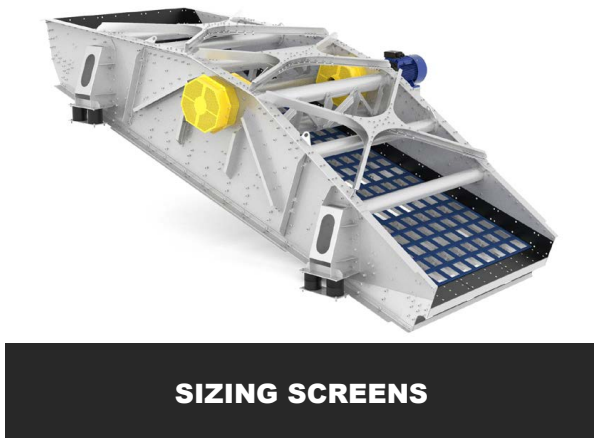
**ULTRA-SINGLE DECK
(PATENT PENDING)**



DEWATERING SCREENS



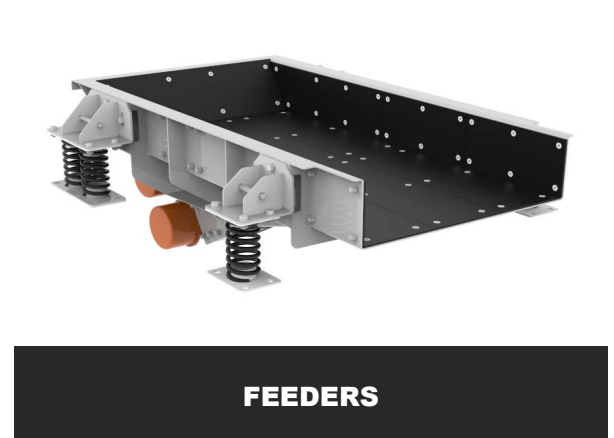
SCALPING SCREENS



SIZING SCREENS



GRIZZLY FEEDERS



FEEDERS

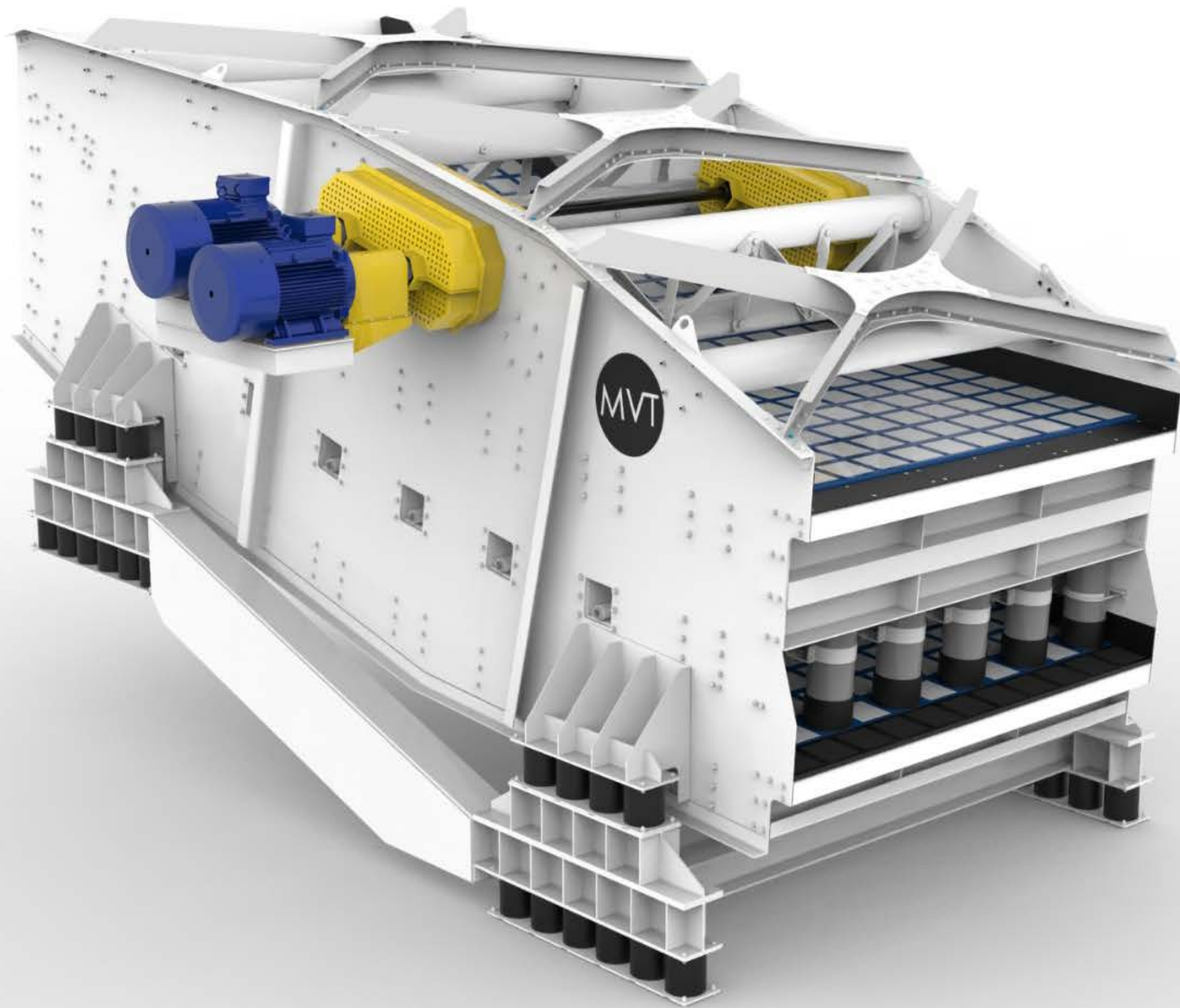


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SAMPLE PROJECTS

1. Ultra single-deck screen
(Patent pending)
2. 20X8 Underground
dis-assembling single-deck
3. 25X10 Multi-slope
double-deck screen
4. 25X10 Single-deck sizing
screen
5. 16X7 Double-deck, electric
flange motor driven screen
6. Sample grizzlies
7. Sample pan feeders
8. Sample small screens
9. 20X8 Marine dewatering
screen

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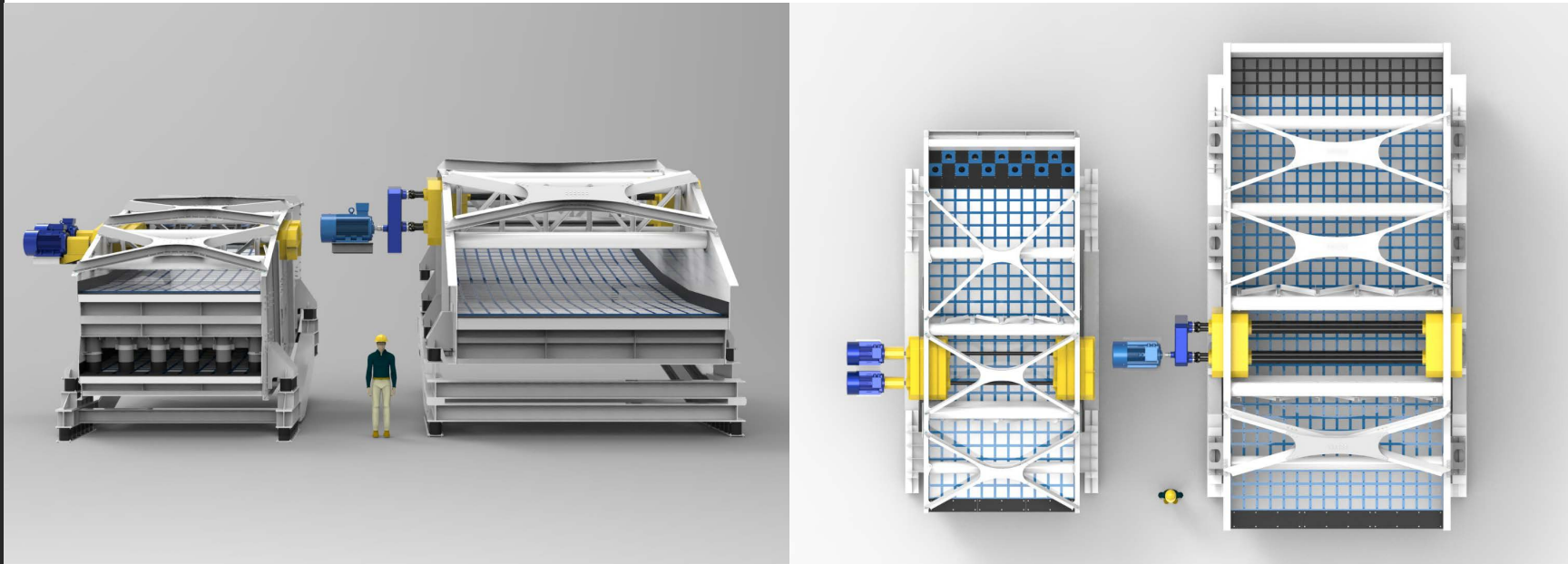
ULTRA SINGLE-DECK SCREEN (PATENT PENDING)



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MVT's **NEW TECHNICAL INNOVATION ALTERNATIVE TO ULTRA LARGE SINGLE DECK SCREENS**

ULTRA SINGLE-DECK SCREEN (PATENT PENDING)



**The smaller screen is HALF the SIZE, MASS & COST
of the larger, single-deck screen, while performing the same duty.**

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**ULTRA SINGLE-DECK
PATENT PENDING**

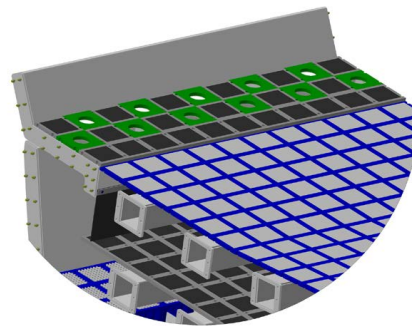
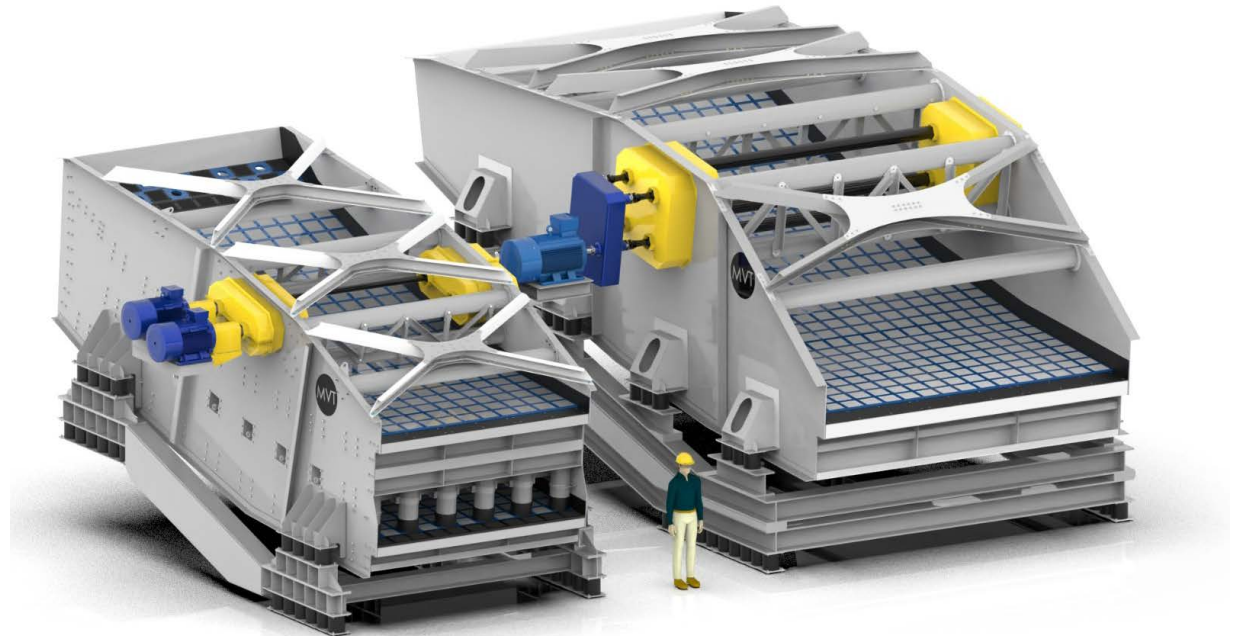
MASSIVE COST SAVINGS & BENEFITS

- * The screen is approximately half the cost, weight & footprint of a large single deck screen
- * Much lighter structure, hopper & chute work
- * Lower installation costs
- * Lower transport costs
- * Half the electrical running costs
- * Space saving

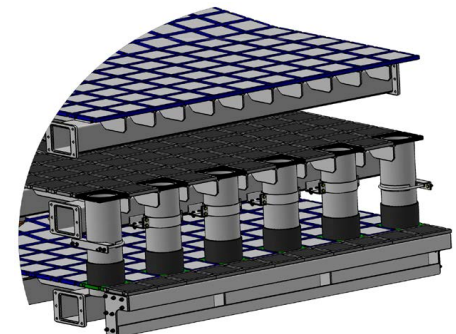
LOGLIFE DESIGN FEATURES

- * Middle deck is made from long-lasting solid 31mm thick rubber panel
- * Generous access space between decks for maintenance.

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The green panels with circular holes are to split the flow of material between the top & bottom decks. Position & size of holes in these panels can be altered to obtain the split.



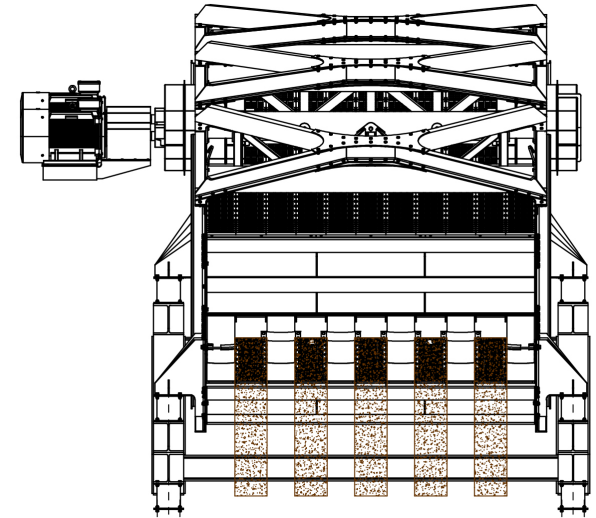
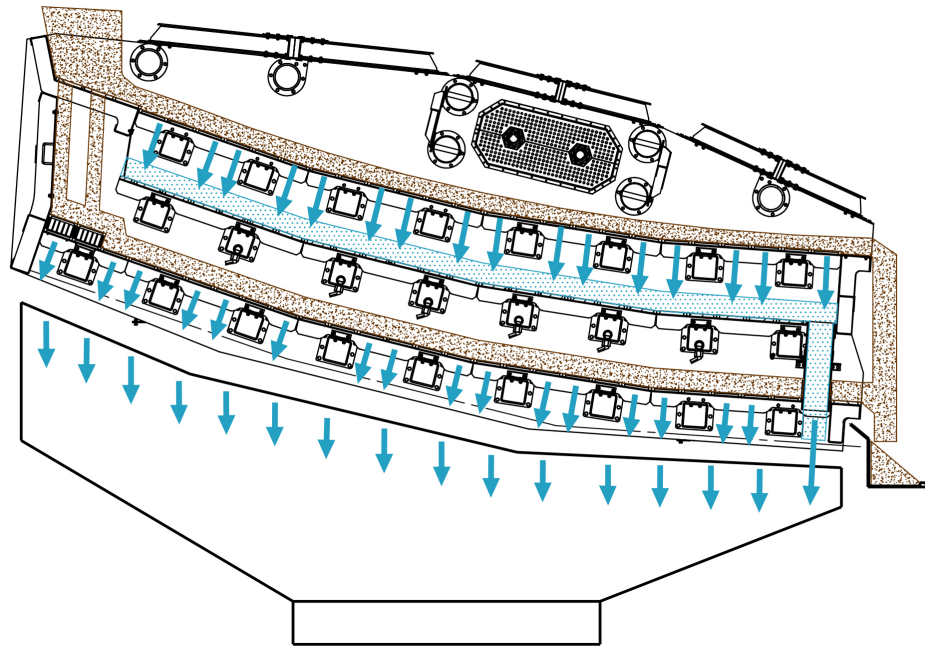
This cutaway drawing illustrates the discharge pipe arrangement between the middle & bottom decks



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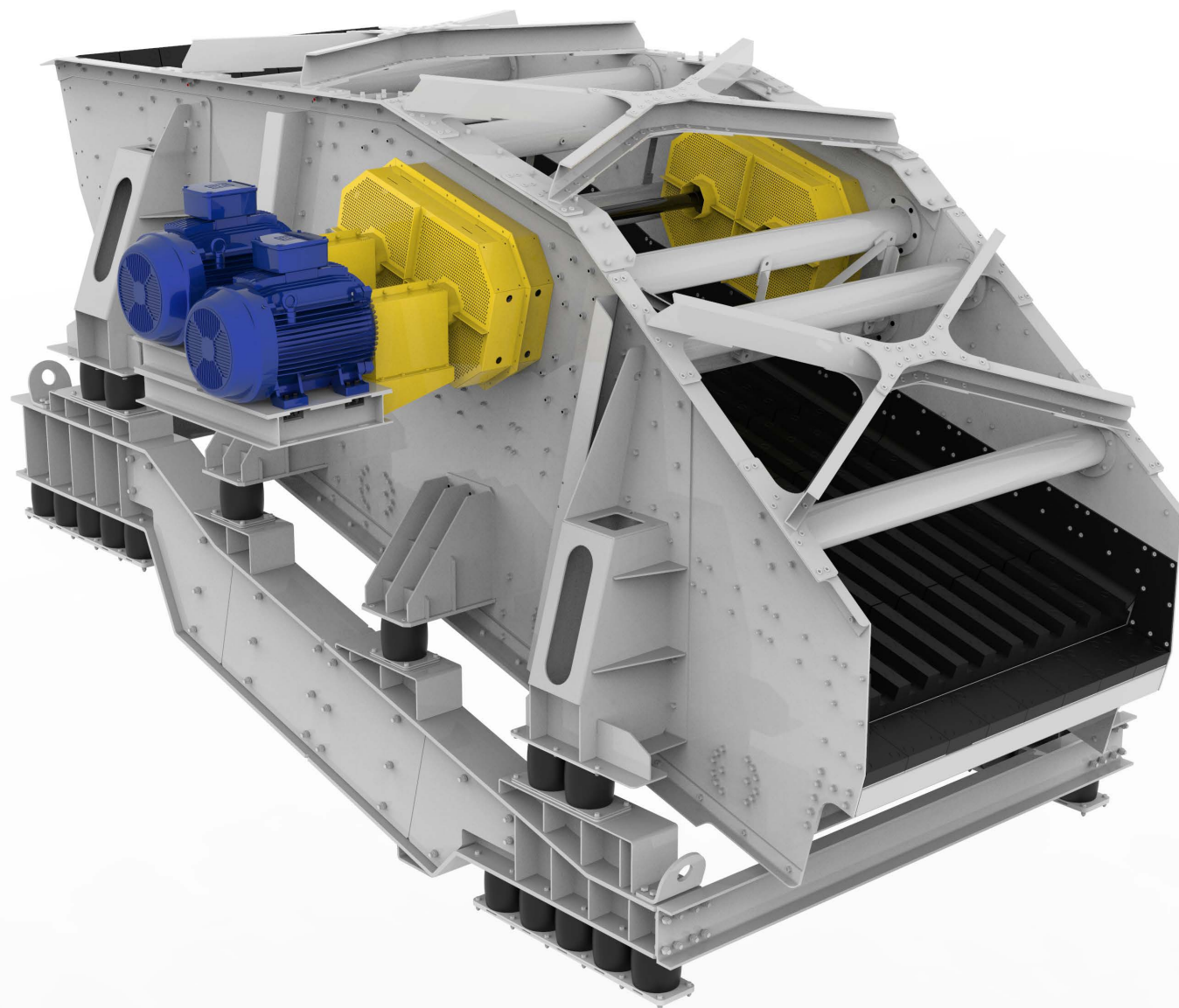
HOW IT WORKS

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& Design Excellence**



HOW IT WORKS

- This triple deck screen uses the top and bottom decks to screen at the same aperture.
- The solid rubber panel middle deck conveys the screened undersize material from the top deck to the drainage pipes at the end of this deck. These drainage pipes pass through both middle and bottom decks to discharge into the common hopper below.
- The oversize material from the top deck discharges normally off its discharge end. The oversize material from the bottom deck discharges around the drainage pipes and joins the top deck oversize material into a common chute and deadbox.



20X8 DIS-ASSEMBLING SINGLE-DECK SIZING SCREEN



20X8 DIS-ASSEMBLING SINGLE-DECK SIZING SCREEN

BRIEF

To supply a heavy-duty unit that would:

1. Disassemble into component parts that would fit down the mine's shaft to be reassembled 200m below ground (largest piece: 4306X2500X12)
2. Process 800tph of manganese ore (400 max lump size)
3. Cut at 120mm square thus eliminating slabby material resulting from the use of grizzly bars

MVT INNOVATION

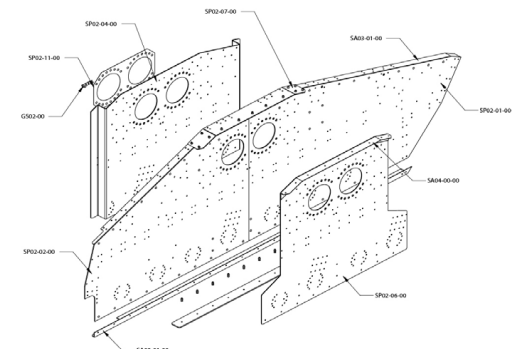
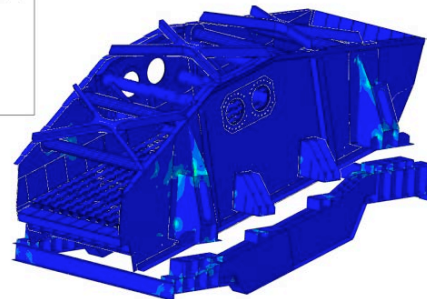
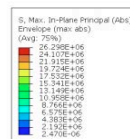
MVT was the only screen supplier to accept the challenge of meeting this particular client's brief. FEA analysis of the unit has rendered a clean audit with superb strain analysis results.

MVT developed this heavy-duty, rubber scalping deck, which has now been successfully tested and used in our client's diamond and gold mines.

BENEFITS

1. Custom heavy-duty rubber panels prevents screening of slabby material, screening only 120mm lumps.
2. Potential for greater variety of underground screens.
3. Enables easier underground assembly of vibratory equipment.

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25X10 MULTI-SLOPE DOUBLE-DECK SCREEN

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25X10 MULTI-SLOPE DOUBLE-DECK SCREEN

BRIEF

To supply a heavy-duty unit that would:

1. Replace the old tailings screen
2. Ensure a seamless fit into existing steelwork
3. Increase tonnage from 680tph to 800tph

EXCELLENT PRICING ON LARGE SCREENS

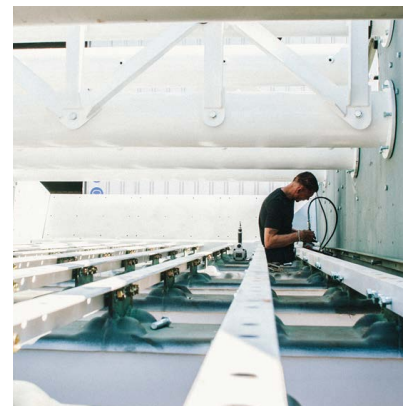
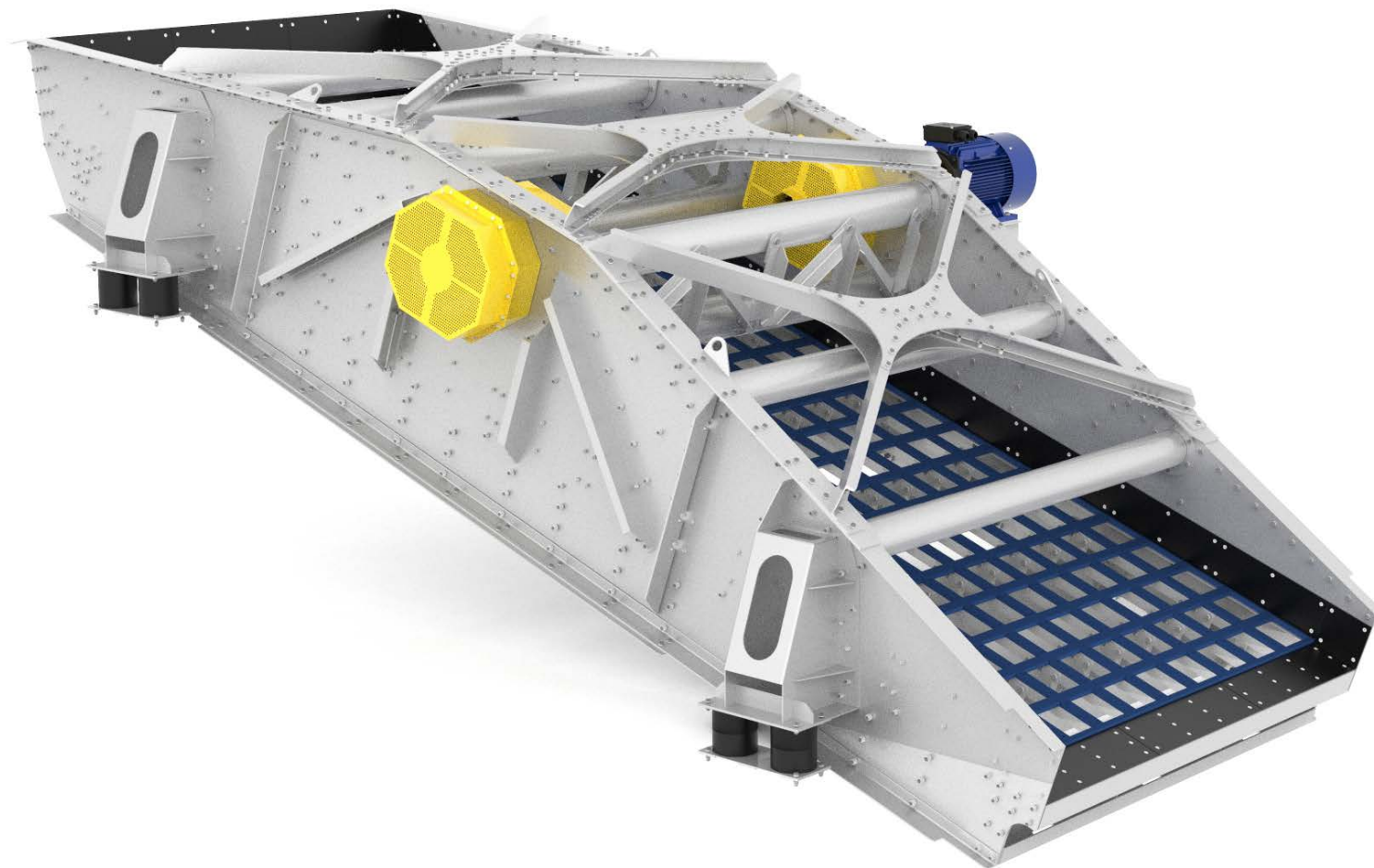
MVT offers excellent pricing on our larger screens as we use innovative side plate-mounted vibratory motors. This drive system does away with costly drive units such as geared exciters & cumbersome motor drive beams.



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**25X10
SINGLE-DECK
SIZING
SCREEN**

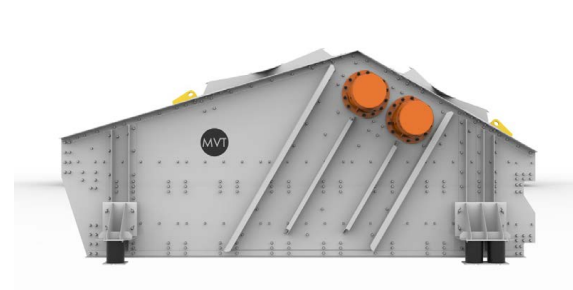
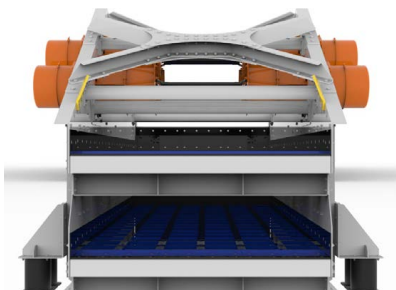
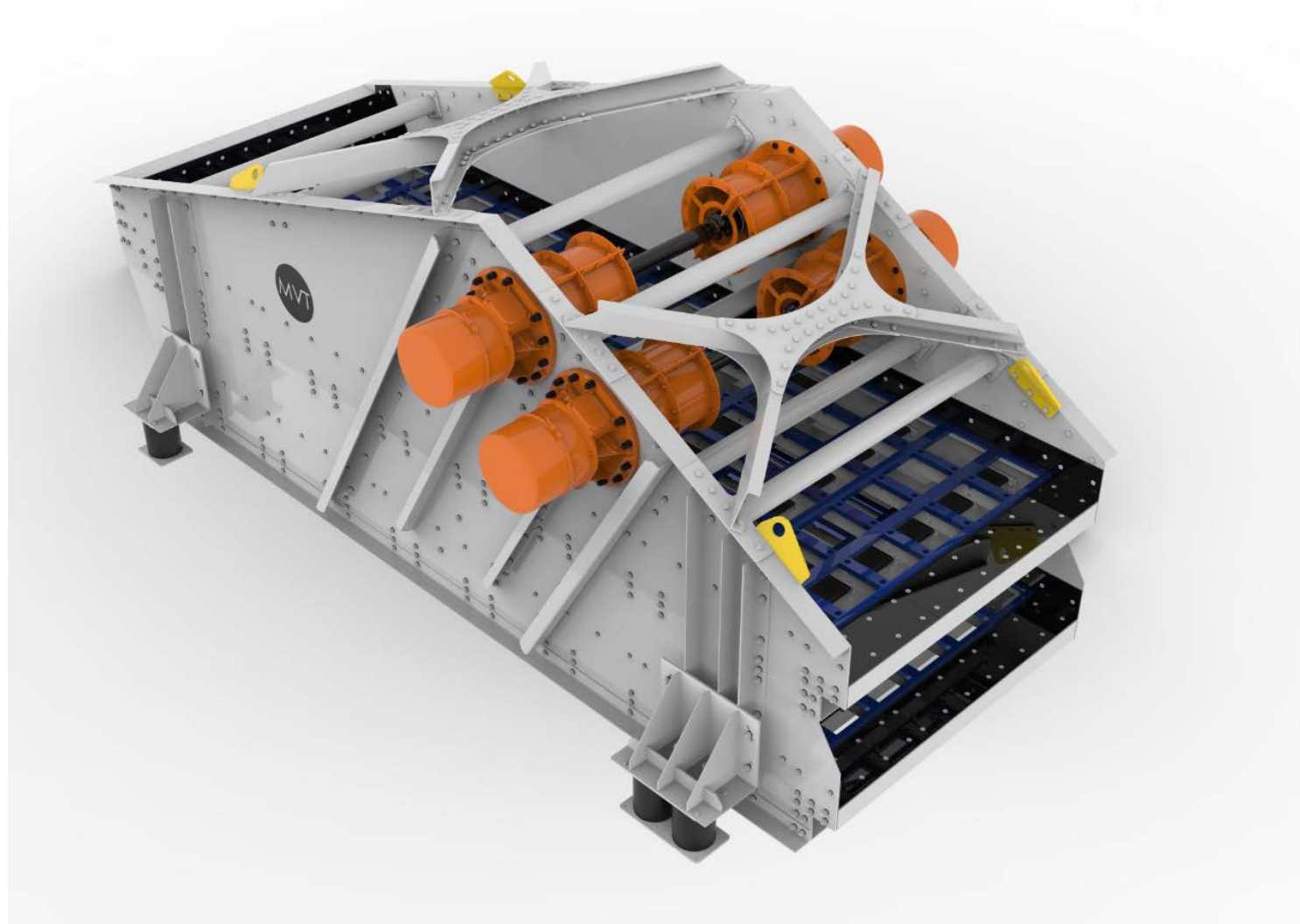


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**16X7
DOUBLE-DECK
ELECTRIC
MOTOR
FLANGE
MOUNTED**



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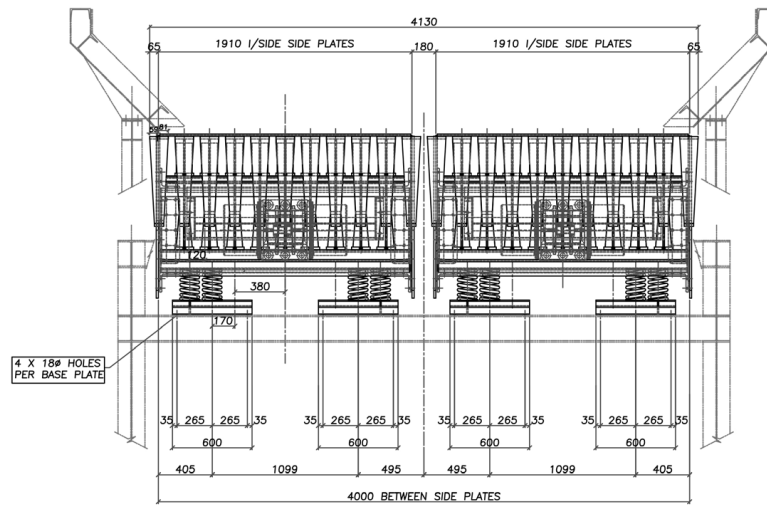
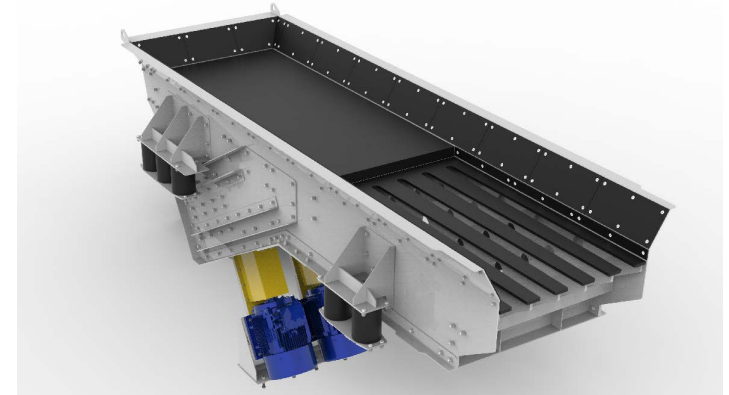
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**SAMPLE
GRIZZLIES**



4800X1200 GRIZZLY FEEDER



3600X4000 CUSTOM TWIN GRIZZLY

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**SAMPLE
GRIZZLIES**

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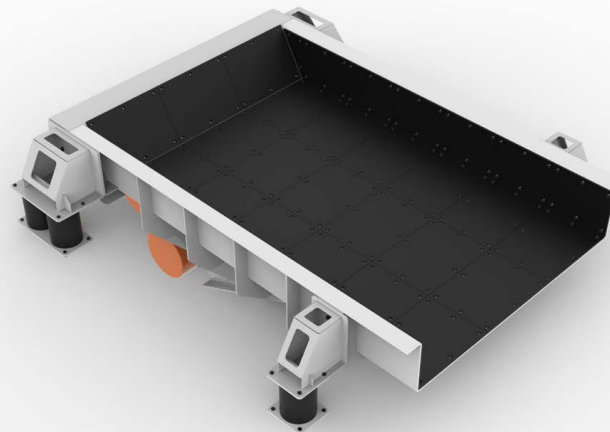
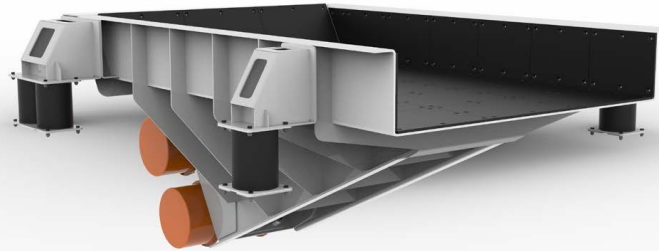
6200X2280 SCALPING GRIZZLY CUTTING AT 150MM



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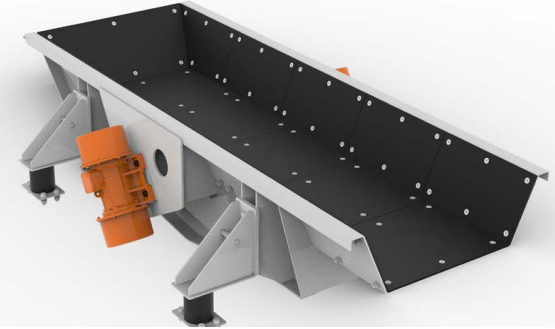
**SAMPLE
PAN FEEDERS**

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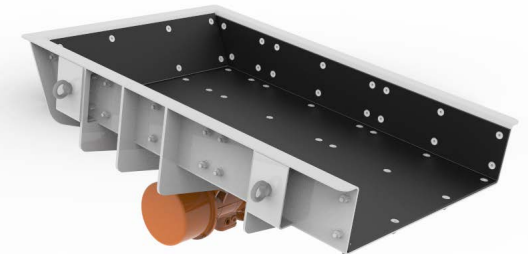


1700X2500 PAN FEEDER

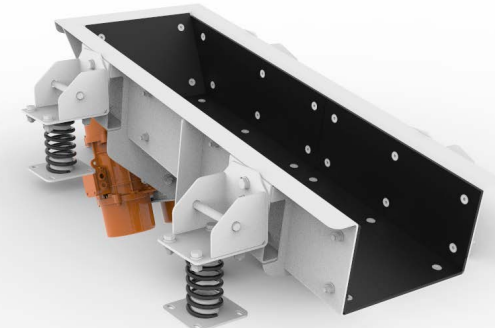
2400X800 PAN FEEDER



1200X800 PAN FEEDER



1200X800 PAN FEEDER

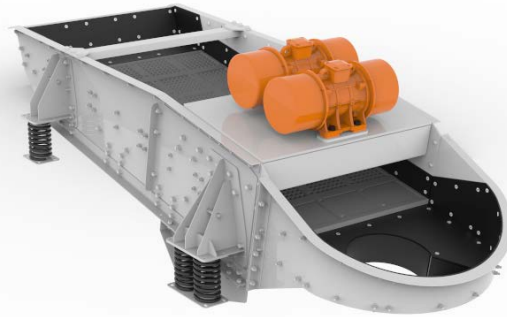




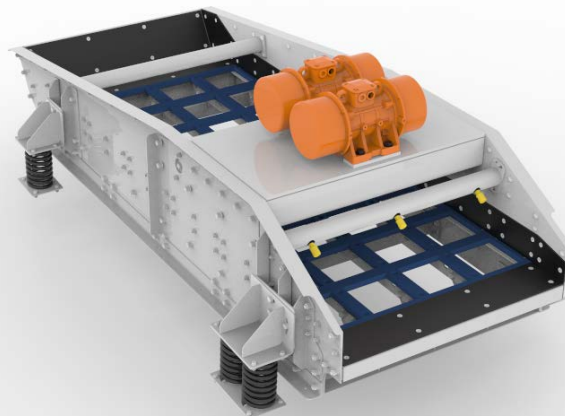
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**SAMPLE
SMALL
SCREENS**

**Service, Innovation
& Design Excellence**

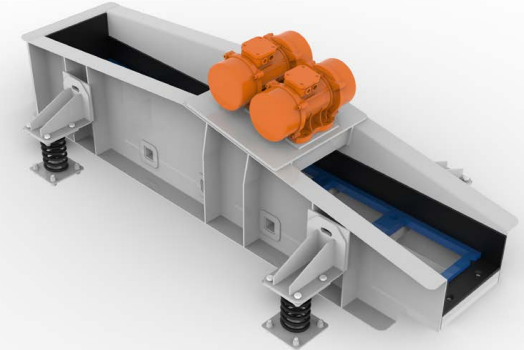


8X4 SCREEN WITH CONE

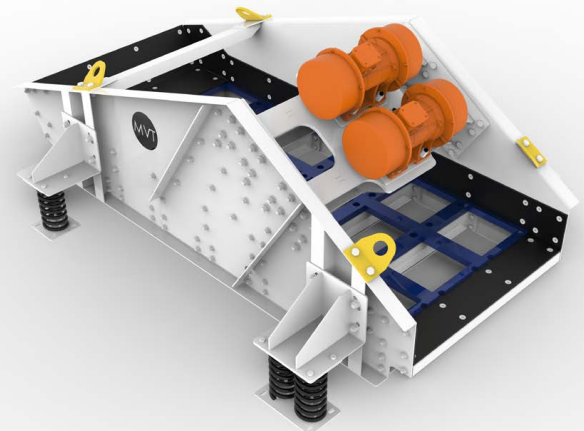


8X4 SCREEN

6X1 SCREEN



6X3 SCREEN





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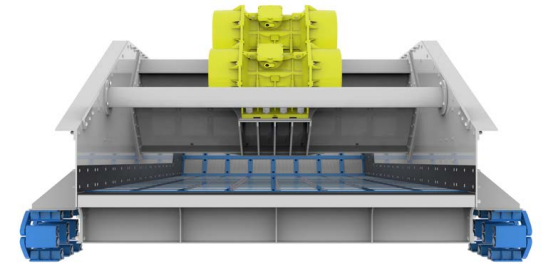
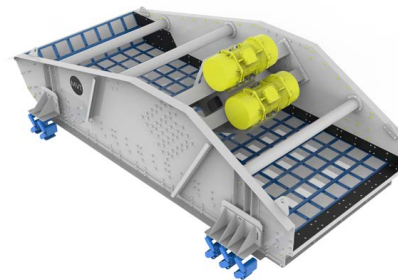
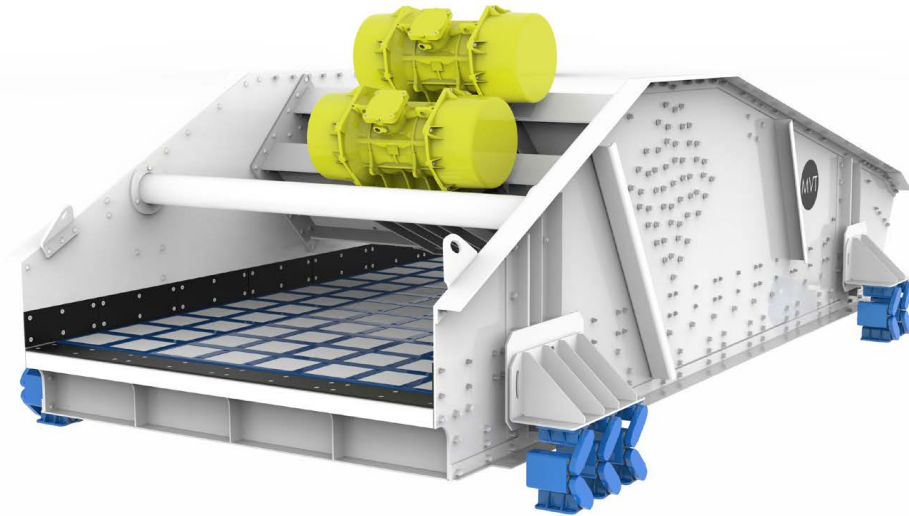
**20X8 MARINE DEWATERING
SCREEN**

Tim Munton pioneered the technology for the marine screens on the De Beers ships.

MVT OFFERING

- * The MVT unit is fitted with specialised waterproof vibratory motors (IP66). The motor has marine corrosion protection, rubber o-ring seals and have no end cap holes for cooling.
- * The motors are “greased-for-life” and maintenance free.
- * Machines are fitted with roster isolation mounts and MVT’s specialised cross-bracing.
- * The isolators can be fitted beneath the machine, allowing for units to run side-by-side.

Service, Innovation & Design Excellence



- * The units can be customised to fit your existing footprints.
- * MVT marine screens are painted with the latest in marine corrosion protection

MVT marine screens are the best.

GUARANTEE:

2 Year Guarantee