



# DYNAMIC SCREENING

Power  
Precision  
Performance



## Ultimate Screening



Up to  
**3.0x**  
More Powerful

Up to  
**3.0x**  
Smaller

Up to  
**3.0x**  
More Efficient

# Ultimate Screening

## 10G

### POWER

- Powerful 10G technology = **3X the performance of traditional screens**
- Triple shaft technology = even force distribution = unrivalled screening consistency over the deck area
- Massive reduction in blocked apertures
- Can break up sticky agglomerated lumps

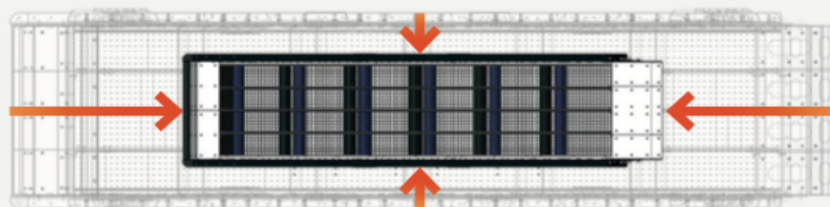
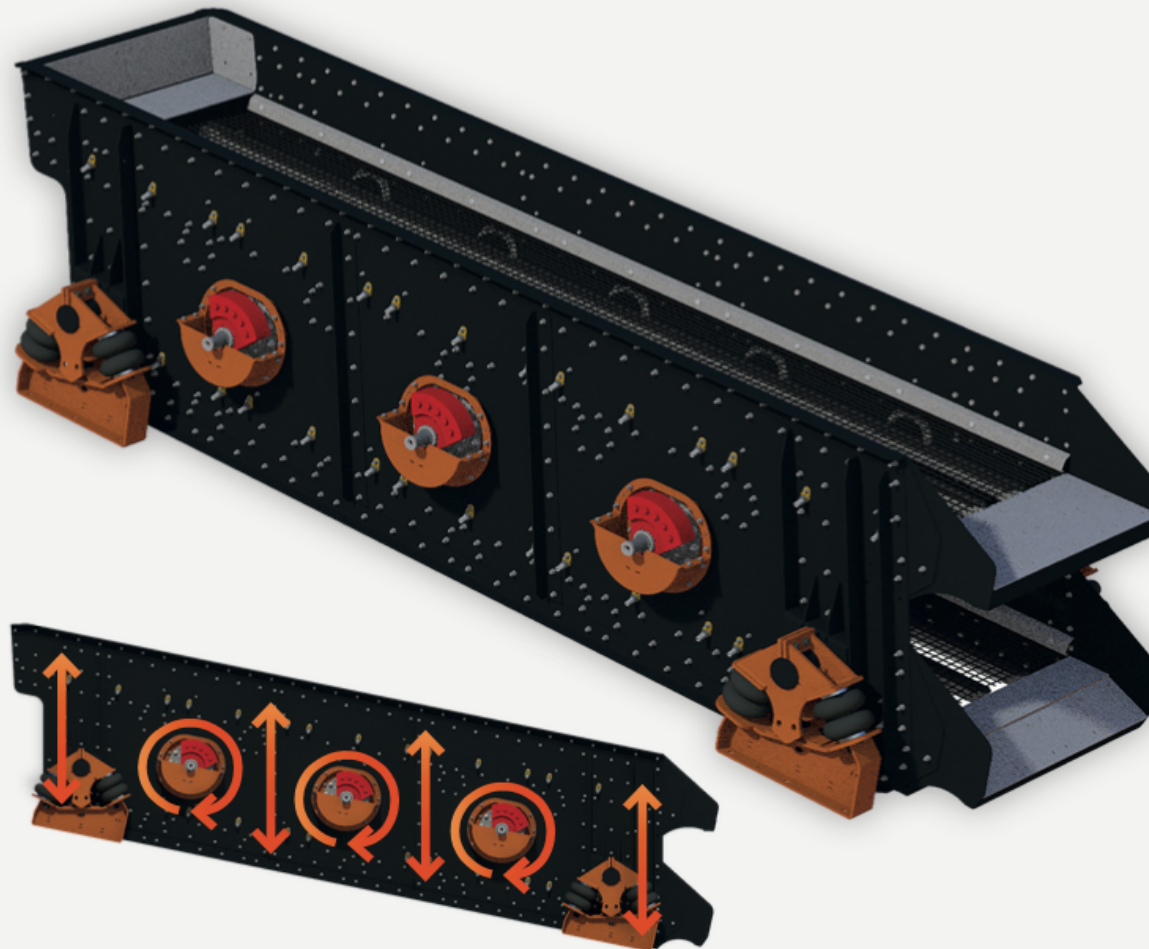
### PRECISION

- Delivers the ultimate in precise material separation
- Accurate screening - each time, every time
- Consistent screening forces + reduced mesh blocking = reliable, repeatable results

### PERFORMANCE

#### HUGE throughput / m2 deck area

- Process up to 3x the volume of material on same screen size
- Or
- Process Same volume of material on 1/3 size of an existing screen



### UNRIVALLED EFFICIENCY

- Single pass screening of troublesome material
- Reduced material re-handling
- Excellent machine service access reduces downtime

### LOW ENVIRONMENTAL IMPACT

- Advanced suspension system = Minimal vibration transfer to surrounding environment.
- High power & reduced screen size results in reduced plant installation costs
- Lower operating angles mean reduced plant heights
- Overall lower Carbon footprint than traditional screens

### LOW OPERATING COSTS

- Low power consumption / Ton
- Low maintenance costs / Ton.
- Reduced mesh wear / Ton
- Robust design – less downtime

# SST Separation

## Screening Technology - Coarse Screening

### Active Screen Area

7.5m<sup>2</sup> per deck

### Screen Area

Up to 60% smaller than traditional screens

### High Capacity

Feed rate for screening of high moisture, agglomerated materials at cut sizes of 1mm – 150mm

### Applications

- Marine Aggregates/Recycled Aggregates
- Dredging
- Mining
- Coal
- Incinerator Bottom Ash (IBA)
- Auto Shredder Residue (ASR)
- Environmental Clean Up
- Waste Reprocessing



### Infeed Material & Three Outputs



# MST Separation

## Screening Technology - Fine Screening

### Active Screen Area

6m<sup>2</sup>

### High Speed

Provides more screening probability

### High Amplitude

Provides Higher Segregation

### Adaptive Slope

Tailored & designed to each project

### Infeed Material

<1mm up to 3mm

### Cut Sizes

<30µm – 1000µm

### Applications

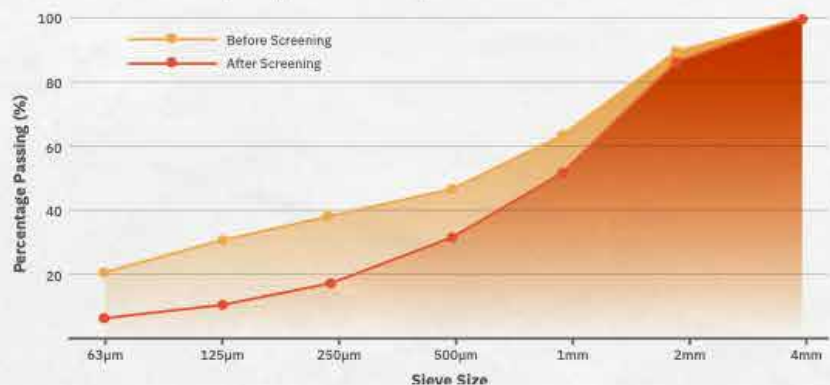
- Sand Defillerisation
- Drilling Mud
- Sludge Recycling
- Powders
- Minerals



### Example Lab Analysis of Dry Screening application using the MST

Defillerisation - reducing and removing <63µm fines content in Limestone material

#### Amount of <63µm particles present



Infeed <3mm



Overs/Refused <3mm



Passing 0-63µm



**Recycled Aggregates**



**Coal Screening**





**Shredded Aluminium**



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