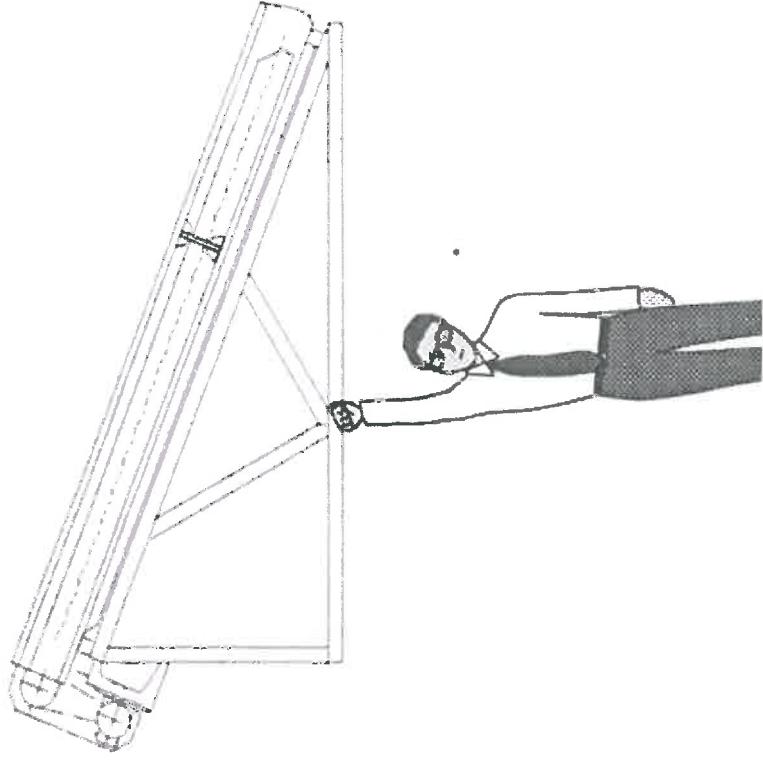


Advantages for the user:

IFE Trisomat



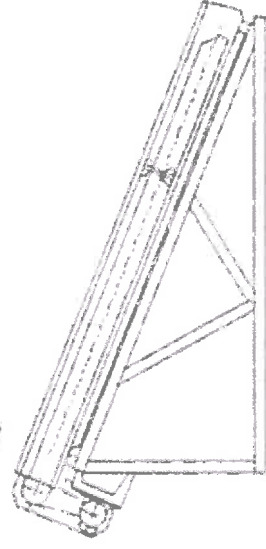
- Low dynamic loads

- Eccentric shaft is dynamically counterbalanced with weights.
- Compensation of the vertical forces obtains an almost perfect, dynamic load distribution.

.....Installation assemblies can be kept lightweight and simple.

IFE Trisomat

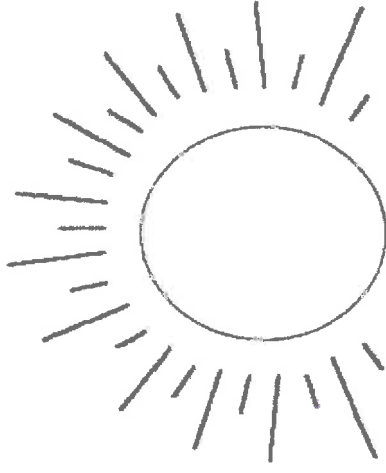
- can handle large feed rates



The circular motion at the feed end assists a stratification of even the most difficult materials and conveying the feed material forward.

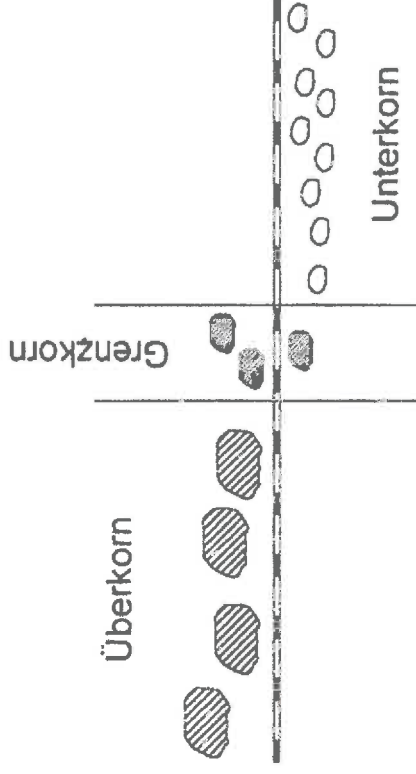
IFE Trisomat

- High screening efficiency
- Optimum abrasion of „adhesion“ grain
- Acceleration rates of up to 50 g are reached in the screen panels
- Good stratification of the material
- Optimum contact between material and mesh in central section.



IFE Trisomat

- efficient „near size“
particle extraction

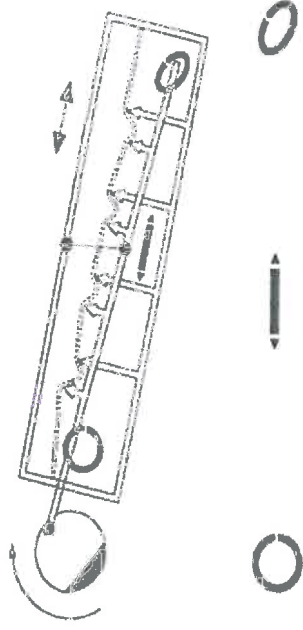


The reverse elliptical movement at the discharge end retards the material and maintains a bed depth ensuring efficient „near-size“ particle extraction.

- no pegging or blinding
- safe operation through simple and robust construction
- low maintenance

.....**IFE TRISOMAT**

IFE Trisomat



Trisomat = Mechanical system:

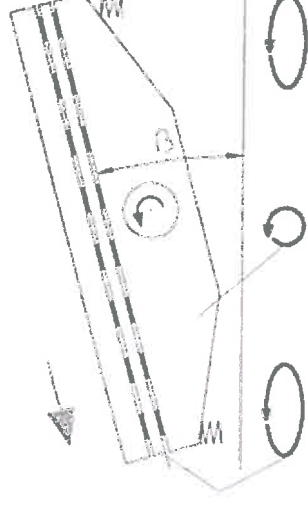
Defined movement by exciter

Overload:

No real influence in feeding, efficiency goes down

→ No overloading of machine itself

Competitor



Competitor = Resonance system:

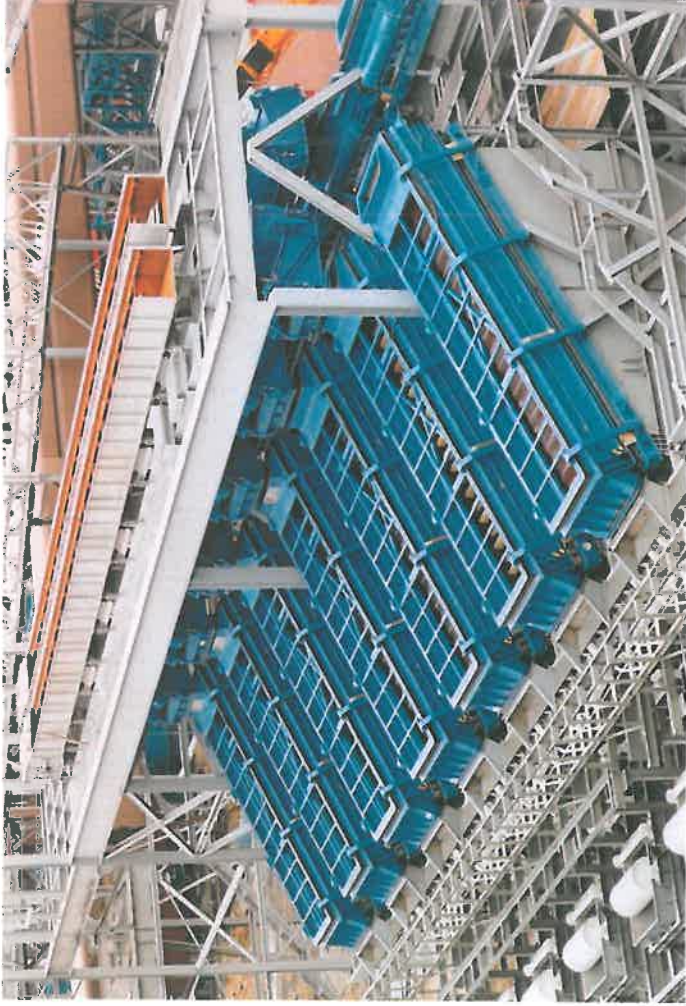
Outer Frame based on rubber elements:

Natural frequency \approx Drive frequency

Overload:

Feeding and efficiency are going down

→ Overloading of machine



IFE Trisomat

The screen for difficult to handle materials installed at a UK mine complex

Technical specification:

Material data: Coal, 0 – 25 mm,
appr. 40% below 3 mm
moisture of 9%
Infeed capacity: 160 t/h/screen
Cut point: 3 mm
Number of screens: 16 off ST 2000 x 7200 FD

Users of Trisomat

- screens
- Coal & Coke plants
- Composting plants
- Steelworks
- Sand & Gravel plants
- Refuse recovery plants
- Scrap recovery plants
- Wood industry

Benefits of the Trisomat design

- Low weight
- Low dynamic loads
- No pegging or blinding
- High screening efficiency
- Capable of handling damp sticky materials
- High capacity

IFE Trisomat in comparison:

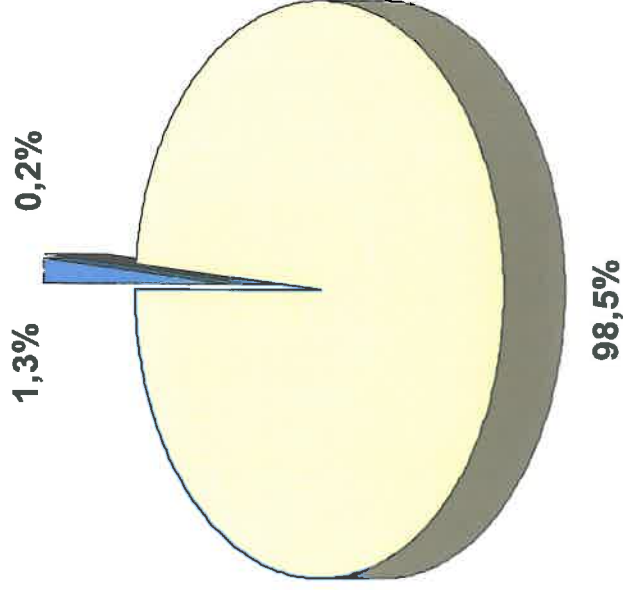
Duty:	
Material:	Coal 0-25 mm
Humidity:	appr. 9 %
Cut point:	3,15 mm (screen out from dust and fine material)

Compared machines:

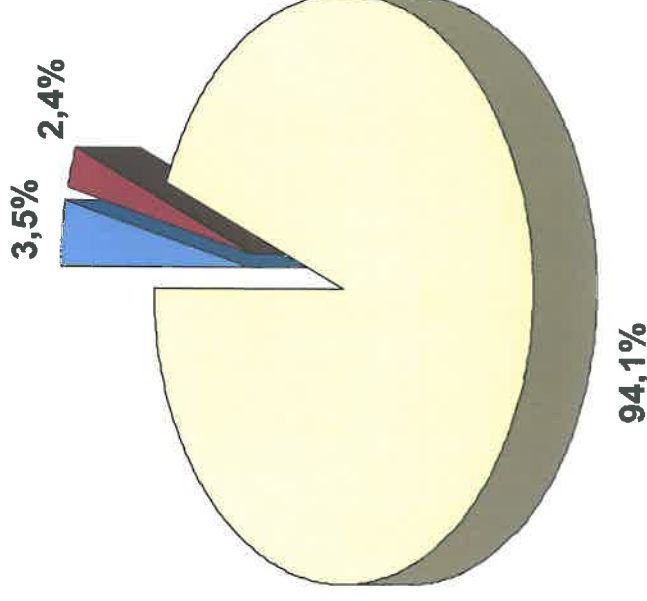
IFE-Trisomat:	12 m ² Siebfläche
Competitor Flip-Flop screen:	15,2 m ² Siebfläche

IFE Trisomat in comparison

IFE-Trisomat
Feed rate 9,0 t/hm²



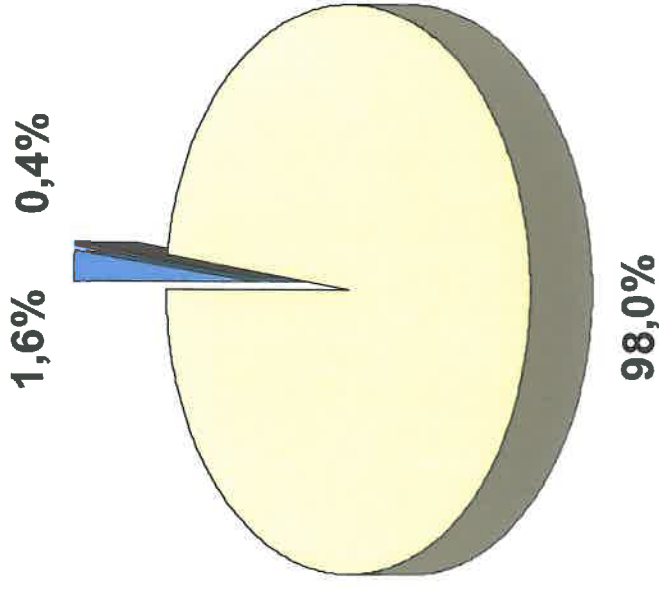
Competitor
Feed rate 7,3 t/hm²



■ 0 bis 0,5 mm ■ 0,5 bis 3,15 mm □ 3,15 bis 25 mm
Produkt

IFE Trisomat in comparison

IFE-Trisomat
Feed rate 14,25 t/hm²



Competitor
Feed rate 8,75 t/hm²

