

Effective and clean separation of shavings and dust

High-performance screening systems for the chip board industry





Screening, Conveying, Separating

The Allgaier Machine-Programme

	Gyratory screening machines	Tumbler screening machines	Vibratory screening machines	Vibrating Conveyors	Magnetic-Separators
Chopped Chips	■		■	■	■
Old Wood crushed	■		■	■	■
Foreign Shavings	■	■	■	■	■
Saw Dust	■	■		■	
Sanding Dust	■	■		■	



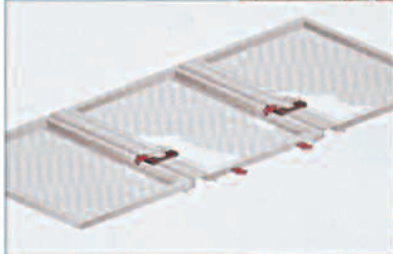
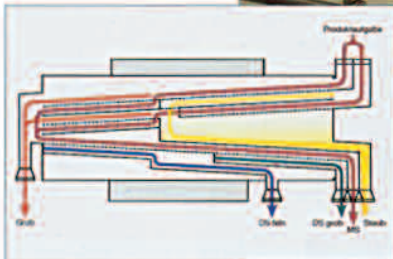
Performance diagram of Screening Machines

Material	Machine	Throughput m ³ /h						
		10	50	100	150	200	250	300
Chopped chips (90 % size 40 x 40 x 5 mm)	Gyratory screen	[Green bar from 0 to 300]						
	Vibrating screen	[Red bar from 0 to 100]						
Old wood crushed	Gyratory screen	[Green bar from 0 to 300]						
	Vibrating screen	[Red bar from 0 to 100]						
Foreign shavings	Gyratory screen	[Green bar from 0 to 300]						
	Vibrating screen	[Red bar from 0 to 100]						
	Tumbler screen	[Blue bar from 0 to 50]						
Saw dust	Tumbler screen coarse (± 1 mm)	[Blue bar from 0 to 40]						
	Tumbler screen fine (± 0,1 mm)	[Blue bar from 0 to 10]						
	Gyratory screen coarse (± 1 mm)	[Green bar from 0 to 150]						
	Gyratory screen fine (± 0,1 mm)	[Green bar from 0 to 150]						
Sanding dust	Tumbler screen coarse (± 1 mm)	[Blue bar from 0 to 40]						
	Tumbler screen fine (± 0,1 mm)	[Blue bar from 0 to 10]						
	Gyratory screen coarse (± 1 mm)	[Green bar from 0 to 150]						
	Gyratory screen fine (± 0,1 mm)	[Green bar from 0 to 150]						

JUMBO: Best separation and high performance.

NEW

Separate product streams increase the efficiency of the screen.



Optimum maintenance through simple and swift screen change.



Jumbo – our largest gyratory screening machine for throughputs up to 170 m³/h – represents the highest stage of development of screening technology and due to the reverse screening produces a top quality chip fraction.

The Jumbo principle is simple, very effective and distinguishable due to its low maintenance.

- Throughput up to 170 m³/h
- Optimal screen product due to halved height of level
- Few wearing parts due to soft suspension and absence of shock absorbing legs
- Problem-free assembly, in site steelwork or supplied steel frame
- Low weight, almost zero dynamic foundation load
- Low working noise approx. 60 dB(A)
- Ball-cleaning device usually not required, but can be easily retrofitted
- Fast screen change even for resined chips
- Top layer fine and coarse
- Minimum maintenance due to automatic lubrication
- Accessibility from all sides

ARSM: The proven, classical system.



For decades, the gyratory screen ARSM has been the classical proven screening machine for the wood industry.

This type can be used for throughputs up to 300 m³/h.

- Low maintenance
- Low energy and space requirement
- Dust-tight
- Low dynamic foundation loading
- Low working noise approx. 63 dB (A)
- Flexible positioning of inlet and outlet

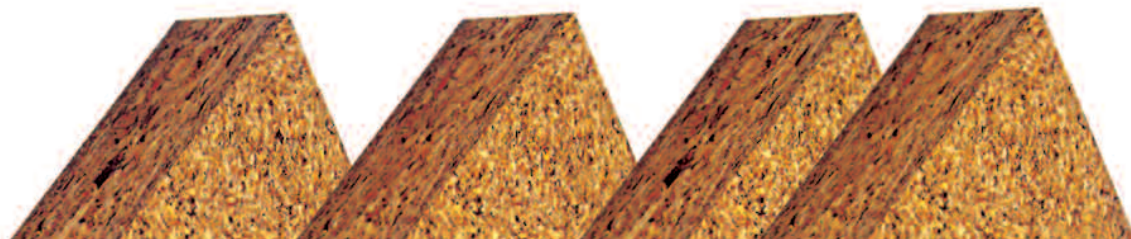
TSMH: Clear classification of sawdust and sanding dust.



The tumbler screening machines TSMH are used for a clear, non-clogging classification of sawdust, foreign shaving and sanding dust, for medium throughputs up to 60 m³/h.

- Low maintenance
- Eccentric drive with complete mass balancing producing low dynamic foundation loads

- Dust-tight
- Continuous screen cleaning using a ball cleaning system.
- Low working noise approx. 75 dB (A)



To round off the programme ...



Vibratory screening machines

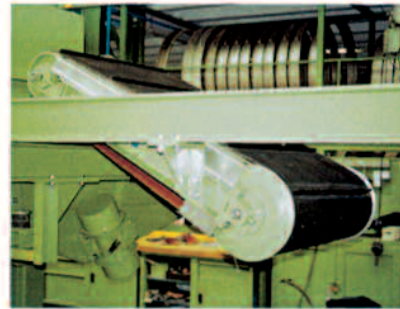
For screening wood chips. Driven by two vibrating motors positioned above or below the screen deck. Designed according to requirement as simple or doubledeck machines with sieves of woven mesh, or perforated plates.



Vibrating conveyors

Efficient and maintenance-free machines for short range conveying, for feeding crushing mills, shaving or chopping machines, screening machines and magnetic separators ensuring an even product flow.

To reduce the mill load, vibrating conveyors may also be designed with a sieve base in order to reduce the amount of fines and only permit the rough fraction to reach the mill inlet.



Magnetic separators

Remove iron and most steel parts out of open bulk material streams. The lifting magnets and overhead conveying magnets are mounted over a conveyor, trough or chute, attract the parts out of the material stream, and transport the parts continually to the side on a continuous strike-off belt.

For low iron contents, fixed block or strip electro-magnets are used which are periodically cleaned by hand.



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