



CMC TEXPAN
Machinery and Technology

OSCILLATING SCREENS

Precise classification
of particles into fractions





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Classification of particles, that's to say their division into fractions characterized by homogeneous particle size, is a fundamental pre-requisite for achieving both outstanding mechanical properties and excellent panels.

Oscillating screens are well-established and widely used machines serving this purpose, whose required performance in terms of capacity and number of screened fractions has undergone a considerable increase throughout the years.

CMC TEXPAN'S oscillating screens are suitable for wet and dry materials, particles and chips. They provide for a precise classification of wood material into different fractions, which are then sent to further processing.

The principle of operation is based on the oscillation of a screening case housing several sifting decks fitted in it. The screening case is placed on a sturdy steel frame, equipped with adequate elastic elements to compensate the vibration of the machine.

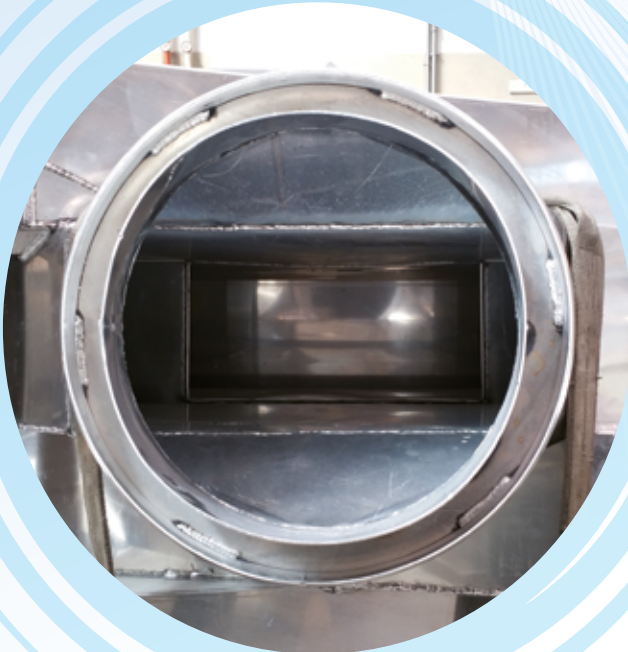
The quantity of screening fractions depends upon the number of sifting decks, while the obtainable particle size depends upon the type and mesh size of the single screens.

Screens with fine mesh size are usually equipped with an automatic cleaning system by means of rubber balls jumping within the screen-holding frame.

To ensure better efficiency in case of big mesh size differences between adjacent sifting decks, an intermediate screen may be placed in between them (depending upon the type of machine) in order to avoid an overload of the lower deck.

Screening machines may also be supplied in two-stage execution, to achieve higher capacities, yet keeping space requirements as limited as possible.

Special attention is given to high-capacity machines, which are subject to severe mechanical stresses: their manufacture requires special technical procedures and materials in order to ensure durability and good resistance to wear.



Advantages:

- high efficiency;
- machine size, number and size of fractions are custom-tailored to meet any specific requirements;
- maintenance friendly: easy extraction of screens for minimum cleaning and replacement effort.



OSCILLATING SCREENS - STANDARD RANGE							
TYPE	Application	Capacity [1] up to m ³ /h	No. of stages	No. of fractions -up to	Screening surface [2] m ² /fraction	Install. power kW	Weight kg
VPC 1.3-7.5	wet chips	120	1	3	8,0	7,5	10.000
VMC 1.3-11		180	1	3	10,5	11,0	14.000
VGC 1.3-13		210	1	3	13,0	11,0	15.000
VSC 1.3-16		260	1	3	16,0	15,0	16.500
VPT 1.4-7.5	dry particles	50	1	4	8,0	7,5	10.000
VMT 1.4-11		70	1	4	10,5	11,0	14.000
VGT 1.4-13		85	1	4	13,0	11,0	17.500
VST 1.4-16		105	1	4	16,0	15,0	18.000
VPT 2.4-7.5		100	2	4	16,0	11,0	10.000
VMT 2.4-11		140	2	4	21,0	11,0	17.000
VGT 2.4-13		170	2	4	26,0	15,0	18.000
VST 2.4-16		210	2	4	32,0	18,5	19.000
VPT 1.2-7.5	wood dust	20	1	2	8,0	7,5	8.000
VPT 2.2-7.5		40	2	2	16,0	7,5	10.000
VMT 2.2-11		55	2	2	21,0	11,0	14.000

[1] based on typical standard bulk densities and mesh size in use

[2] screening surface expressed as real net surface

Above data are non-binding and they are provided for information purposes only.



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