

THE HAVER SCREENING GROUP



Information



NIAGARA[®] M-Class

NIAGARA® M-Class

Multiple-deck screening machine for highly accurate cut-sizes in the field of fine and very fine screening

In view of classifying dry bulk materials with fine grain sizes HAVER & BOECKER has extended its product range by the elaborately designed NIAGARA® M-Class. This screening system was developed by Dr. Ernst-Heinrich Dreßler as early as the late seventies. The close cooperation between its creator and HAVER & BOECKER enables decades of experience in the planning and production of screening machines to flow directly into customer advice and after-sales service.

The NIAGARA® M-Class constitutes the optimum solution when many cut points in the fine and very fine range are required and, in addition to that, most accurate cuts are of decisive importance.

There exist various fields of application for the linear motion swinger. To be precise, the screening system can be employed for the classification of industrial minerals, such as e. g. quartz sand, feldspar, rock salt, and equally of rock powder, ores, metal, food-



Unbalanced motors generate the linear motion of the multiple-deck screening machine. The motors are clamped onto the drive pipe.

Technical Data:

Cut points:
32 to 8,000 μm

Feed rate:
up to 50 t/h

Feed particle size:
up to 10 mm

Machine size:
8 different sizes, in standard execution up to 11 decks

Electrical power:
0.9 to 11 kW/h

Screen deck:
modularly built,
consisting of:

- screen deck frames with polyurethane seals
- screen insert frames made of wood or stainless steel

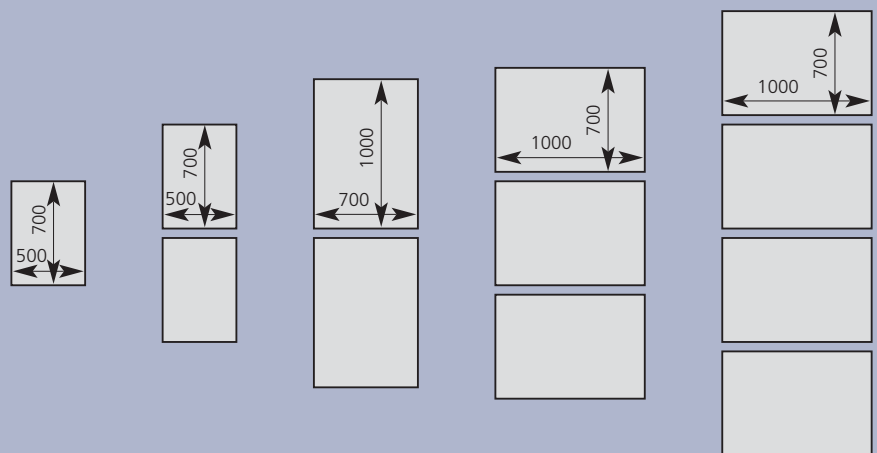
500 x 700

500 x 1400

700 x 2000

1000 x 2100

1000 x 2800



The NIAGARA® M-Class is available in various configurations. The set-up of the screen insert frames is...

stuffs, furthermore of synthetic and chemical products, such as e. g. urea and abrasives. Related to the design, the multiple-deck screening machine disposes of very large screening surface areas, though at the same time standing out by only requiring minimal space. In correspondence with the modular design, individual screening decks are stacked over each other horizontally providing thus the frame of the machine. Retroactive adaptability of the machine, e. g. when

increasing the material throughput, proves to be another major advantage of the modular design. Furthermore, extremely long cloth life is one of the main characteristics of the multiple-deck screening machine. This can be ascribed to the relatively low acceleration during screening, therefore minimizing the dynamic load. The multiple-deck screening machine NIAGARA® M-Class is offered in eight different sizes, the number of decks and technical specifications

varying in relation to the respective task at hand. One crucial advantage of this screening system is the highly accurate cut-size achieved during the screening process.

For optimizing the layout of the machine according to the respective task at hand, a multiple-deck screening machine is available at the HAVER & BOECKER lab. This guarantees that each customer's requirements regarding "his" machine can be fully met.



Particle discharge of the screened products is effected via polyurethane hoses. The openings that are closed by rubber caps will be employed if screen decks are upgraded.

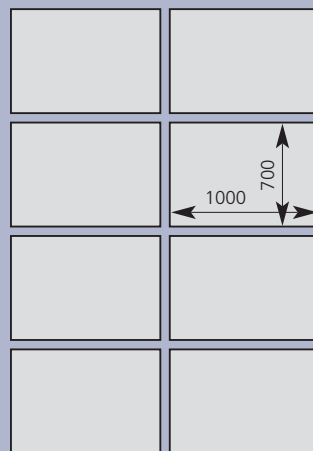
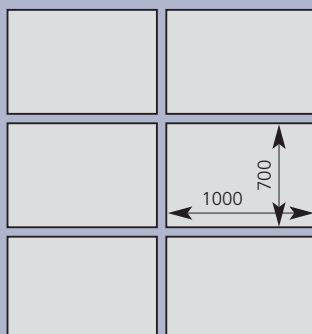
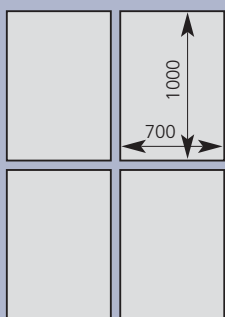


The screen insert frames can be fabricated either of pinewood or stainless steel. The screen assembly at the HAVER & BOECKER Wire Weaving Division stands for superior quality.

1400 x 2000

2000 x 2100

2000 x 2800



Advantages at a glance:

- Highly accurate cut-sizes and many cut points
 - up to 11 product fractions in standard execution
- Minimal space requirements despite large screening surface areas
 - up to 58 m² surface area
- High machine availability
 - extremely long operating lifetime due to relatively low acceleration
- Environment-friendly screening system
 - dustproof enclosure

available in eight different sizes. The number of decks depends on the machine type.

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THE ORIGINALS

ROTO-PACKER® HAVER	THE CYRUS® HAVER	INTEGRA® HAVER
 SILOS IBAU HAMBURG	 Felge FILLING Drum Filler	BEHN + BATES FRONTLINE®
Fine-Line HAVER	LIFFS HAVER	T-CLASS HAVER
Pelletising Discs HAVER	TYCAN H-CLASS	 水泥回转包装机 ROTOCEM®

MADE BY THE HAVER GROUP

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