

# Screening machine SMA **LACB**



# Efficient cleaning technology. For consistently high product quality.

Product-friendly cleaning of grain, oil seeds and other bulk materials is an essential part of any processing operation. The goal is to improve the storage life and quality of the product and create a safe production process. The SMA cleaning machines provides highest quality and excellent performance as well as easy access to the screens for maintenance.

## Consistently high cleaning quality even at high throughput rates.

By mastering two separation steps in one machine, the SMA screening machines offer the optimal combination of high performance on a small footprint for capacities up to 220 t/h (for wheat). The oscillation movement of the sieves provides a precise and gentle cleaning process. Inlet aspiration and an easily adjustable vertical sifter separate light particles and dust out of the product stream.

## The benefits at a glance

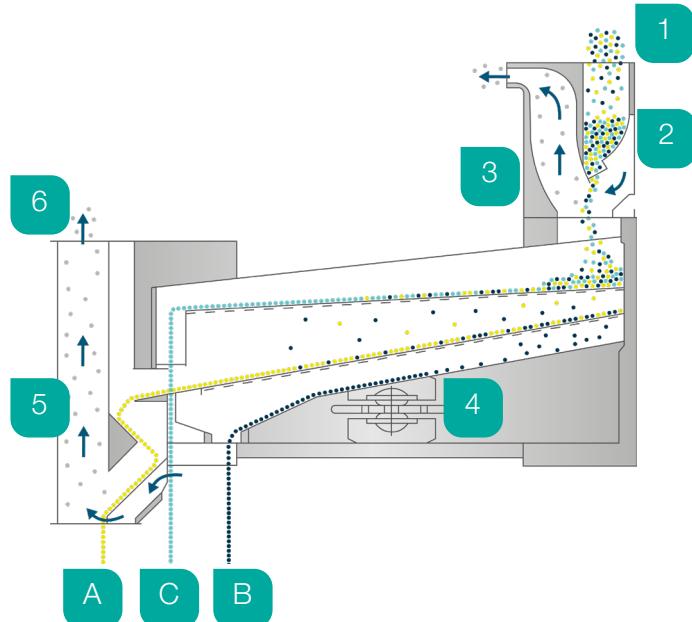
- Consistently high cleaning quality even at high throughput rates
- Optimal accessibility for maintenance and cleaning
- Proven technology and reliable operation with long lifetime

## Especially necessary for use with oil seeds: optimal accessibility for maintenance and cleaning.

Due to a product flow system that is specifically designed for processing oil seeds, the SMA machines are capable of meeting the highest demands of oil seed cleaning. This includes a front access to the screens for easy screen replacement and cleaning. The increased distance between the screen levels and the big outlet channels further facilitate the cleaning and maintenance process.

## Proven technology and reliable operation with long lifetime.

The SMA machines are made of high-grade materials and guarantee a long lifetime. The robust construction minimizes vibrations and allows reliable operation with minimal maintenance requirements. Optionally, the cleaning units can be equipped with wear protection – especially recommended for abrasive products such as soybeans or in case of continuous operation.



1 Product inlet	4 Drive sieve box	B 2 <sup>nd</sup> grade
2 Vibrating distribution flap	5 Vertical sifter	C Coarse particles
3 Inlet aspiration	6 Exhaust air	
		A 1 <sup>st</sup> grade

# Optimized design. For high system availability and easy access.



## Technical data and capacities:

		SMA 203-3	SMA 206-6		SMA 203-3	SMA 206-6
<b>Working width</b>	mm	2,000	2,000	<b>Product capacities</b>		
<b>Screen area</b>				Wheat (0.75 t/m <sup>3</sup> , 18 % H <sub>2</sub> O) PS: D 8 mm, MS: Herringbone 2.25 mm	t/h	110
Preliminary screen	m <sup>2</sup>	6	12	Barley (0.65 t/m <sup>3</sup> , 18 % H <sub>2</sub> O) PS: D 8 mm, MS: Herringbone 2.25 mm	t/h	90
Main screen	m <sup>2</sup>	6	12	Canola (0.60 t/m <sup>3</sup> , 18 % H <sub>2</sub> O) PS: D 3.5 mm, MS: Herringbone 1.00 mm	t/h	45
<b>Motor power</b>	kW	2.2	3.0	Maize / Corn (0.75 t/m <sup>3</sup> , 15 % H <sub>2</sub> O) PS: D 13 mm, MS: Herringbone 2.55 mm	t/h	110
Screen box		0.75	0.75	Maize / Corn (0.75 t/m <sup>3</sup> , 35 % H <sub>2</sub> O) PS: D 13 mm, MS: Blindsieve	t/h	55
Inlet flap				Soybeans (0.75 t/m <sup>3</sup> , 18 % H <sub>2</sub> O) PS: D 13 mm, MS: Herringbone 2.55 mm	t/h	100
<b>Aspiration connection</b>				Sunflower (0.40 t/m <sup>3</sup> , 16 % H <sub>2</sub> O) PS: D 13 mm, MS: Herringbone 2.55 mm	t/h	55
Inlet (at 40 mmWC)	m <sup>3</sup> /min	75	200			220
Outlet (at 40 mmWC)		170	350			180
<b>Total weight</b>	kg	3,500	7,000			110
<b>Dimensions</b>						200
Width	mm	2,926	3,400			
Height		2,750	4,286			
Depth / Length		3,737	4,468			

Capacities refer to intake cleaning with input impurity content of max. 4% and given sieve proposals (PS: Preliminary screen; MS: Main screen).

## Options to increase flexibility and meet all requirements:

In order to save air, the SMA 203-3 can be equipped with a double inlet instead of the inlet aspiration unit.

For easier access to the upper sieves of the SMA 206-6 and enhanced occupational safety, a [screen changing platform](#) can be fixed on the frame, featured with a space-saving swing-up mechanism.

Polyurethane plates can be installed as [wear protection](#) at the inlet, the inlet channels and the vertical sifter.

The [automatic inlet regulation](#) assures that any product is always spread uniformly across the whole working width without manual intervention.

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