

Air-screen seed cleaning machine

# SL Series *Selecta*

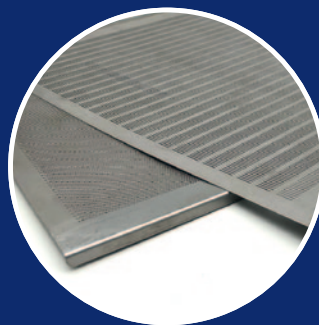


**PETKUS**



## UNIQUE SCREEN CHANGING SYSTEM

Very easy to clean and no contamination due to a screen compartment that can be removed completely.



## FRAMELESS SCREENS

The screens used in the Streamline 50 and 100 are designed in a unique way without frames. This ensures optimal cleaning and reduces the risk of contamination.



## POST ASPIRATION

Very accurate gravity separation by the after blast air stream channel. No valves; the air speed is continuously variable by a frequency converter.

**The finest for Quality Seeds.**

The Streamline Selecta is specifically designed for the fine seed industry with no compromises on quality to minimize losses and the risk of contamination. This air-screen seed cleaning machine is used for seed production lots and breeding plots, laboratory purposes and to process commercial fine seed multiplications (e.g. vegetable and flower seeds). A wide range of screens makes the machines suitable for almost any crop.

## Operation

The seeds are put into the VIDOS feeding hopper (or on the optional feeding belt) and transported on the first screen. The feeding quantity is continuously adjustable to ensure a good distribution of the seed.

The overflow from the first screens leave the machine at the outlet. The seeds dropped through fall on the skid plate and glide back to the beginning of the second screen for the next sieving over the full screen length. The overflow of the second screen leaves the machine at the outlet. The seeds dropped through fall on the third screen where parts, smaller than the desired size drop through into the outlet. The overflow seeds of the third screen have the desired size and are transported to the post aspiration. The heavy seeds with best germination and vigour fall down into the collection box. The lightest seeds and debris are sucked away. An extra option is a dust extraction hood.

## Features

- + Very easy to clean and no contamination risk because the screen compartment can be completely emptied by removing all inside parts.
- + No wooden or aluminum frames on the screens where seeds can stick and hide.
- + Feeding by VIDOS vibrating feeder for a regular flow, with integrated continuously variable speed adjustment for very precise dosing.

- + The machine works with 3 screen levels; Streamline 100 also available with 4 screen levels.
- + The screens are kept clean during processing by rubber balls that are laying in a removable aluminium ball frame underneath each screen.
- + The screens are tightly fit in the machine by a central clamp-locking system for a quick changing of the screens and thorough cleaning of the machine.
- + The oscillation speed of the screen compartment is continuously variable by a frequency inverter, assuring optimal cleaning results.
- + The machine has low vibration as the screen-compartment is counter balanced.
- + The speed of the cleaning fan is variable and adjusted from standstill to maximum by a frequency inverter assuring very accurate cleaning and sorting of seeds. The fan has a very stable and reproducible output.

## Options

- + Belt feeding for difficult seeds to ensure a good seed flow into the machine.
- + Pre-suction unit specifically designed for fine seeds. The Selecta air units are the most precise working air units available in the market.
- + Collecting the "good seeds" on the side of the machine
- + Operating panel by a touch screen
- + Streamline 50: Collecting funnel to collect the debris from the screens (for test institutes etc.).



## Technical Data

		SL 5.0 <i>Selecta</i>	SL 10.0 <i>Selecta</i>	SL 80.0 <i>Selecta</i> (belt-feeder)
Length	(mm)	1 300	1 800	2 400
Width	(mm)	1 050	1 050	1 450
Height	(mm)	1 600	1 850	2 900 / 4 200
Weight	(mm)	450	600	1 000 / 1 200
Sieve Width	(mm)	400	400	800
Sieve Length	(mm)	540	1 000	960
No. of sieves		3	3 / 4	3
Capacity (feeding hopper)	(l)	12	25	60
Capacity (wheat)	(kg/h)	150	300	600
Power supply	(kW)	1,0	1,3	2,7 / 3,2

Descriptions and measurements are approximate. We reserve the right to implement technical changes.