

Seed Conditioning & Processing Global Solution Partner



DE-STONER PRESSURE TYPE

Akyurek Technology manufactures two types of De-stoners:

Pressure-type with an enclosed deck and the fan placed inside the box creating a positive air pressure up through the vibrating deck with screen.

Vacuum-type which is completely enclosed with a fan mounted away from the machine, creating a "suction" of air through the vibrating deck with screen.

Akyurek Technology De-stoners are known for their remarkably fast and thorough separation of heavy foreign material removal. Right now they are working throughout the world on spices, chemicals, coffee, peanuts, cereals, beans, wheat, minerals and numerous other products.

The De-stoner operates on the basic principle of flowing dry granular material over a vibrating screen covered deck that is inclined. The Akyurek Technology De-stoners have the same basic function as gravity separator with the only difference being the De-stoner has two fractions - light & heavy, and the gravity separator has multiple fractions.

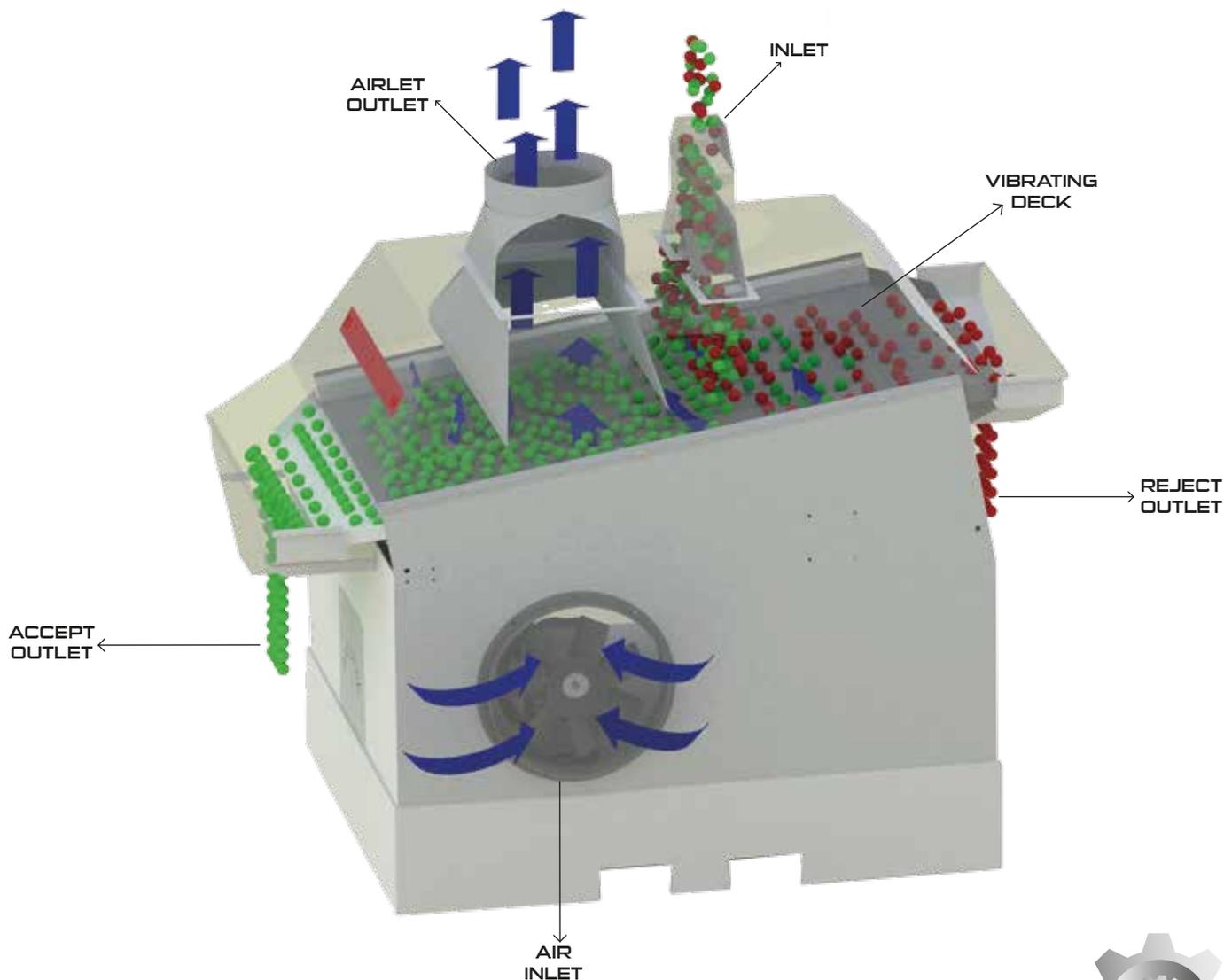
APPLICATION

De-stoners are placed in many different locations in a cleaning system, both before and after cleaners and gravity separators. Destoning is not only used as a means of eliminating contaminants to improve the purity of the product, but is also essential to remove stones to eliminate excessive wear on all types of grinding mills, flaking machines, etc.

Operation Mode

The basic principle involves flowing dry material over an inclined, vibrating, screen covered deck. The steady air flow holds the material in stratified flotation. The lighter material stays in the upper strata as it flows down the inclined vibrating deck with screens. The heavier material, such as stones, coarse sand, glass, metal, etc., travels up the inclined vibrating deck.

DE-STONER - Pressure Type



DE-STONER- Pressure Type Machine Range

		
Models T.MAC-009 MEDIUM MODEL	T.MAC-009 LARGE MODEL	T.MAC-009 XLARGE MODEL
Screen Area 0.92 m²	1.3 m²	2.5 m²

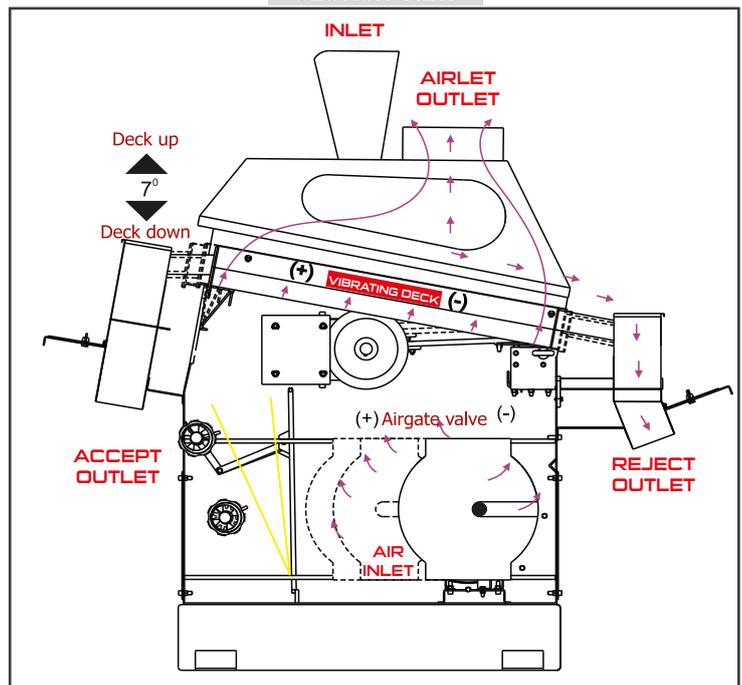
MOTORS	ADJUSTABLE PARAMETERS	TYPES		
		Mechanic TYPE	Semi Auto TYPE	PLC TYPE
Linear Vibrotary Feeder	Linear Feeding on Deck	Digital Potantimeter with Freq. Cont.	Digital Potantimeter with Freq. Cont.	PLC T/S PANEL with Frequency Controller
Eccentric for Deck	Deck Speed	Fix Speed Eccentric - On and Off*	Fix Speed Eccentric-On and Off*	PLC T/S PANEL with Frequency Controller
Air Pressure Fan	Air Pressure	Manually Cont. Valves of Air inlet Gate*	Digital Potantimeter with Freq. Cont.	PLC T/S PANEL with Frequency Controller
Aspirator-Suction	Exhaust Suction	Manually Cont. Shutter from Aspirator	Manually Cont. Shutter from Aspirator	Manually Controlled Shutter for Air Suction
	Deck Rise and Low	Manual Controlled Jack Lift*	Manual Controlled Jack Lift*	MOTORISED PLC T/S PANEL
* Optionally: Frequency Contoller can be used. Abriviations: T/S-Touch Screen Freq. Cont.- Frequency Contoller				SETTINGS MEMORY SYSTEM for Re-Call
				CLEVER PERIODIC DISCHARGE SYSTEM

CAPACITY CHART

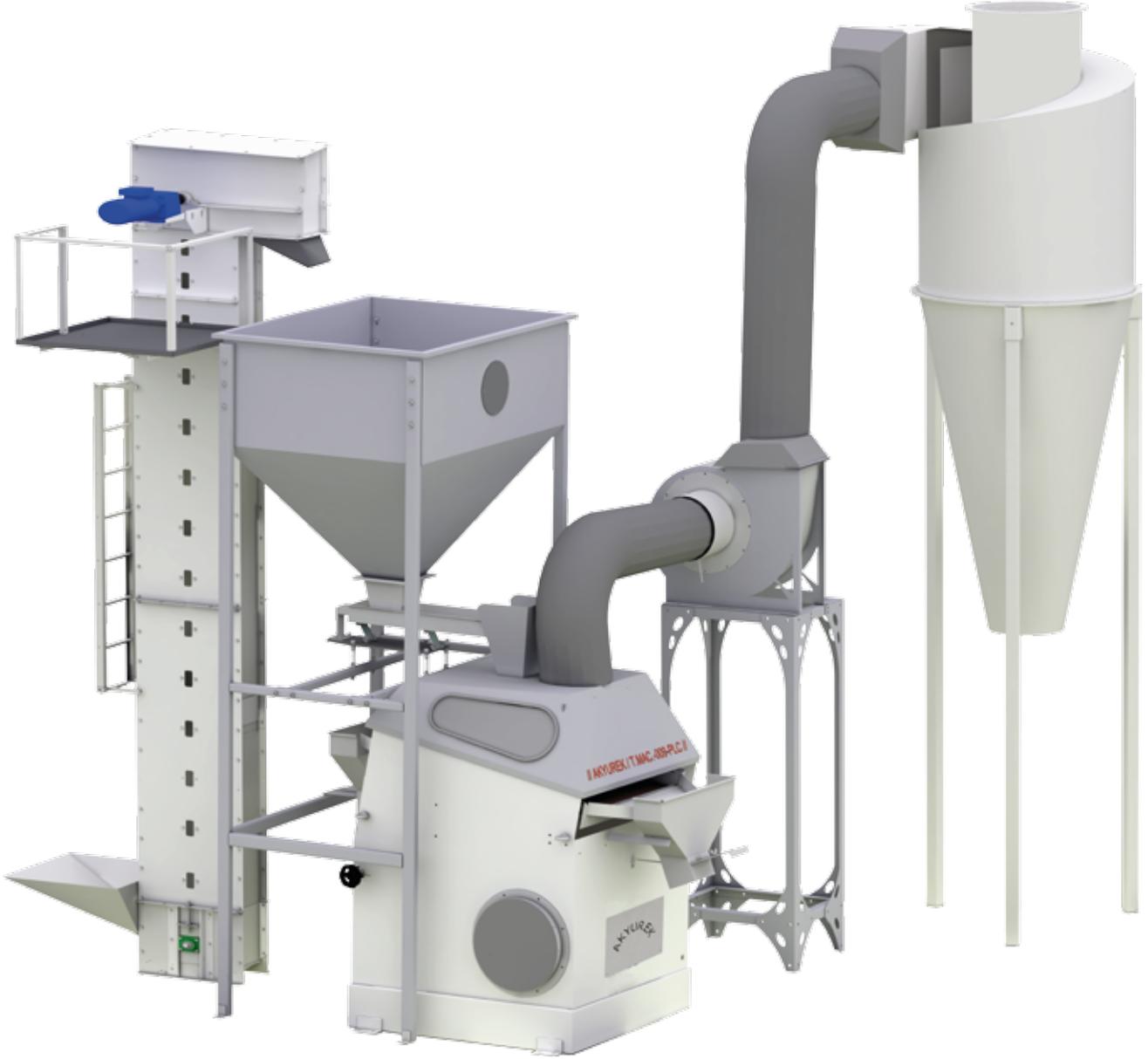
Product	m ³ / Kg	MEDIUM MODEL	LARGE MODEL	XLARGE MODEL
Soy Beans	700	3-5	5-7	7-9
Chickpeas	740	3-5	5-7	8-10
Beans	750	3-5	5-7	8-10
Kidney	760	3-5	5-7	8-10
Vetch	700	3-5	5-7	8-10
Lentil	800	3-5	5-7	8-10
Wheat	760	3-5	5-7	8-10
Rice	750	3-5	5-7	8-10
Sunflower	350	1-2	2-3	3-5
Cumin	300	1.5-2	2-3	3-5
Sesame	600	2-3	3-4	4-6
Peas	700	3-5	5-7	8-10
Bird Seed	700	3-5	5-7	8-10
Cotton Seed	400	1.5-2	2-3	3-5
Linen Seed	700	3-5	5-7	8-10

Please note that input and output quantities that can be obtained interdependent and also depend on the input contamination. The throughput capacities shown are also dependent on the input contamination and the required quality of output. Also another capacity element is if cleaner machine working alone or integrated to a cleaning plant.

SECTION VIEW



DE-STONER PRESSURE TYPE



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