



DESTONER
PRESSURE TYPE

DESTONER PRESSURE TYPE

Saat Technolage is more than the equipment we produce. We are professionals who thrive on building creative solutions to bring your vision to life. We've been doing it since 2008. We combine the right technology with the right team to bring it all together. Our purpose is your success. You can feel confident because you have an expert at your side helping you grow into the future.

To find the right cleaning process for your business, you need a partner who understands your challenges and offers expert support. Saat Technolage has been helping customers succeed for more than 15 years. With a wide range of accurate and effective Seed Processing Equipment for grain, seed, feed and food, you can feel confident with an expert at your side to help you grow into the future.

Optimize your Cleaning Process with our Destoners.

Destoning is an important step in the cleaning process for the milling industry when processing material harvested from the ground. With the ability to select elements according to specific weight, destoners purify the production from heavy impurities, such as stones, as well as metals, plastics and other granular contaminants. Saat Technolage's Destoners are user friendly and designed to meet the needs of your business, so, you can feel confident you will get the right system tailored to your operation.

Pressurized Destoner

Suitable for separating heavier impurities such as stones, glass, metal, by means of pressure fans.

ADVANTAGES

- High capacity
- Easy to adjust
- Precise sorting with advanced pressurized air system
- Simple feeding system
- Optimum aspiration

DS-MEDIUM



DS-LARGE



DS-XLARGE



Grains or particles of almost identical size are fed continuously on the separating deck to ensure a uniform bed of material over the whole width of the deck surface. For better feeding results, a Hopper bin with an automatic actuator drive is used.

The deck is fluidised by a completely uniform pressurised air system and lifts the light material. The heavy material (such as stones) sinks towards the bottom and contacts the deck surface. The deck itself is powered by a well-balanced eccentric drive, which moves the deck at low amplitude and high frequency upwards. The heavy material contacting a specially designed square wire deck surface moves up, (stone outlet) while the light material fluidised by the air system is pulled down by gravity. **This system allows for precise adjustments leading to better sorting results.**

ADJUSTABLE PARAMETERS	AVAILABLE DE-STONER PRESSURE TYPES		
	Mechanic TYPE	Semi Auto TYPE	PLC TYPE
Linear Feeding on Deck	Digital Potentiometer with VFD	Digital Potentiometer with VFD	PLC T/S PANEL with VFD
Deck Speed	Fix Speed Eccentric - On and Off *	Fix Speed Eccentric - On and Off *	PLC T/S PANEL with VFD
Air Pressure	Manually Cont. Valves of Air inlet Gate *	VFD for Air Pressure Fan	PLC T/S PANEL with VFD
Exhaust Suction Aspiration	Manually Cont. Throttle for Air Suction *	Manually Cont. Throttle for Air Suction*	Manually Cont. Throttle for Air Suction *
Deck Rise and Low	Manual Controlled Jack Lift*	Manual Cont. Jack Lift*	TOUCH SCREEN PLC PANEL
* Optionally: Variable Frequency Driver can be used			Settings Memory System for Re-Call
Abbreviations: T/S-Touch Screen / VFD -Variable Frequency Driver/Invertor			Clever Periodic Discharge System

MACHINE TECHNICAL DATA			Pressurized			
			DS Medium	DS Large	DS Xlarge	
Dimensions	Length	mm	1125	2250	2780	
	Width	mm	600	1720	1680	
	Height	mm	785	1230	2350	
Technical data	Screen area	m2	0.92	1.30	2.50	
	Power consumption	Fan drive	Kw	1.1	1.1	1.5
		Reciprocating drive	Kw	1.1	1.1	1.5
		Air requirements destoner	m ³ / min	95/120	155/200	185/230
	Air requirements dust hood	m ³ / min	150 (300 Pa)	235 (300 Pa)	275 (300 Pa)	
Weight	Destoner net	Kg	650	750	1250	
Capacity	Wheat	t/h	5.0	10.0	20.0	
	Green coffee	t/h	3.8	7.5	15.0	
	Roasted coffee	t/h	2.5	5.0	10.0	
	Rice (Paddy)	t/h	3.2	6.5	13.0	
	Soybeans	t/h	4	8	16	