

SINCE
2080

Science of Seed Processing



DESTONER PRESSURE TYPE

SINCE
2080

SINCE
2080

DESTONER PRESSURE TYPE

ADDAMS 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 '2080'. 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 optimal cleaning process for your business, you need a partner who understands your unique challenges and provides expert support. ADDAMS 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 a crucial step in the milling industry's cleaning process for materials 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. **ADDAMS's** Destoners are user-friendly and designed to meet the needs of your business, so you can feel confident that you will get the right system tailored to your operation.

Pressurized Destoner

Suitable for separating heavier impurities such as stones, glass, and metal, using pressure fans.

ADVANTAGES

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

DS-MEDIUM



DS-LARGE



DS-XLARGE



SINCE
2080

SINCE
 2080

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 fluidized by a completely uniform, pressurized 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 (through the stone outlet) while the light material, fluidized by the air system, is pulled down by gravity. **This system enables precise adjustments, resulting in improved sorting outcomes.**

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 Recall
Abbreviations: T/S-Touch Screen / VFD -Variable Frequency Driver/Invertor			Clever Periodic Discharge System

MACHINE TECHNICAL DATA			Pressurized			
			DS Medium	DS Large	DS XL	
Dimensions	Length		mm	1125	2250	2780
	Width		mm	600	1720	1680
	Height		mm	785	1230	2350
Technical data	Screen area		m ²	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	2.0-3.5	3.5-5.0	6.0-7.5
	Green coffee		t/h	2.2-3.8	3.8-5.0	6.0-7.0
	Roasted coffee		t/h	1.8-2.2	2.2-3.5	4.0-5.0
	Rice (Paddy)		t/h	2.8-3.2	3.2-4.0	5.0-6.0
	Soybeans		t/h	1.8-4.0	3.0-4.5	5.0-7.5

Note: Capacities may vary depending on the impurity and moisture content. Refer to the Technical Data Sheets for each model for additional details.

 SINCE
 2080