

PROCESSING

DESTONER

TS 200

GENERAL

Brand	Cimbria
Designation	Destoner
Model	TS 200
Use	Industry



Dry stoners are used to separate granular material according to the specific weight into two fractions. Mainly it is used for the elimination of heavy impurities, such as stones, metallic particles etc. from coffee, grain, pulse etc.

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 pre 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 (for instance stones) sinks towards the bottom and get in contact with the deck surface.

The deck itself is powered by a well-balanced eccentric drive which moves the deck at low amplitude and high frequency up hill. The heavy material contacting a specially designed square wire deck surface moves up hill (stone outlet) while the light material fluidised by the air system moves down hill due to gravitational pull.

This system allows a more exact adjusting what leads to better sorting results.

The inclination is adjustable from 6° to 20° to ensure an efficient residual discharge to facilitate a rapid table discharge.



Technical data

Capacity		
Wheat	15.0 t/h	
Soybeans	12.5 t/h	
Raw coffee	10.0 t/h	
Barley	14.0 t/h	
Screen area	1.90 m ²	
Motors: (standard)		
Fan drive	7.50 kW	
Reciprocating drive	1.10 kW	
Air volume:		
Air requirements (Destoner)	235 m ³ /min.	
Air requirements (Dust hood)	275 m ³ /min.	300 Pa
Dimensions		
Depth	2 161 mm	
Width	2 030 mm	
Height	2 884 mm	
Weight net		
Destoner	1 235 kg	
Total (Dusthood, Prebin)	1 665 kg	

Technical data can vary for certain of the above due to continued development or a different machine composition.

