

PROCESSING

DESTONER

TS 400

GENERAL

Brand	Cimbria
Designation	Destoner
Model	TS 400
Use	Industry



Destoners 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 there are used two decks with a separate pre bin.

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	30.0 t/h
Soybeans	25.0 t/h
Raw coffee	20.0 t/h
Barley	28.0 t/h
Screen area	3.80 m ²
Motors: (standard)	
Fan drive	15.0 kW
Reciprocating drive	1.10 kW
Air volume:	
Air requirements	470 m ³ /min.
Dimensions	
Depth	2 150 mm
Width	3 350 mm
Height	2 790 mm
Weight net	
Destoner	1 700 kg
Total (Dusthood, prebin)	2 350 kg

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