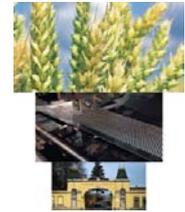
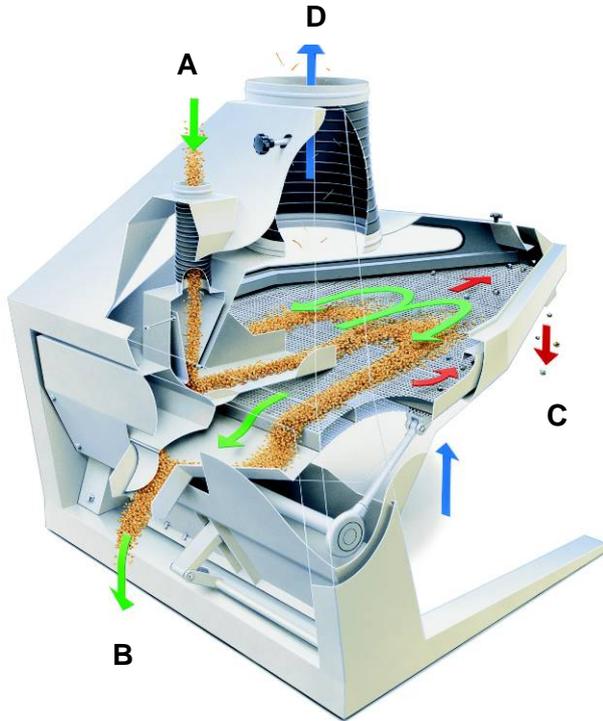


**Dry Stoner  
TS 90-S**



Dry stoners are used to separate granular material according to the specific weight into two fractions and in dry material condition. They find their application mainly in the elimination of heavy impurities, such as stones, metallic particles. etc., from coffee, grain, pulse etc...



The granular material to be separated is taken to the table deck (in its conveying direction) through an adjustable spring-actuated flap. Depending on the grain size, the deck surface, with its adjustable inclination of 6-15°, is covered by a fine-meshed or a large-meshed wire cloth, through which a steady and adjustable air flow is aspirated. The combined effect of the vibrating movement and of the air passing through the deck causes an arranging in layers of the material flowing in (fluidisation). The heavy admixtures sink towards the bottom and are moved to the highest point of the table deck surface (stone outlet) by the contact with the rough deck covering.

The main product (cleaned product) floats towards the top and flows against the conveying direction of the table, to the lowest point of the deck surface, the cleaned product discharge. In the outlet area of the heavy particles, a „counter-air flow zone“ avoids the cleaned product being discharged into the heavy particles outlet during operation

**Optional equipment**

On request the machine can also be equipped with a residual discharge (standard version, working inclination + 8°) to facilitate a rapid table discharge (i.e. for change of product).

Also optional an air recirculation system can be installed. The air comes from the stoner through a fan into a dust separator. The cleaned air comes back to the stoner via air inlet hood. That is mainly interesting for equipment with high air consumption because only a part of the air volume must be exhausted by filters.

- A. Intake
- B. Outlet for cleaned product
- C. Stone outlet
- D. Connection for aspirated air

**Technical data**

Capacity		
Wheat		5,0 t/h
Raw coffee		3,8 t/h
Roasted coffee		2,5 t/h
Rice (Paddy)		2,8 t/h
Screen area		0,66 m <sup>2</sup>
Motors: (standard)		
Power consumption		0,37 kW
Air volume:		
Air requirements		65 m <sup>3</sup> /min
Dimensions		
Machine length		1460 mm
Machine width		980 mm
Machine height		1500 mm
Total weight of separator		
Net		204 kg
Dynamic loading at 16,5 Hz:		
PH=+/- 95 N	PV=+/- 50 N	(10N = 1 kg)

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

Copyright © - The right to alterations is reserved

