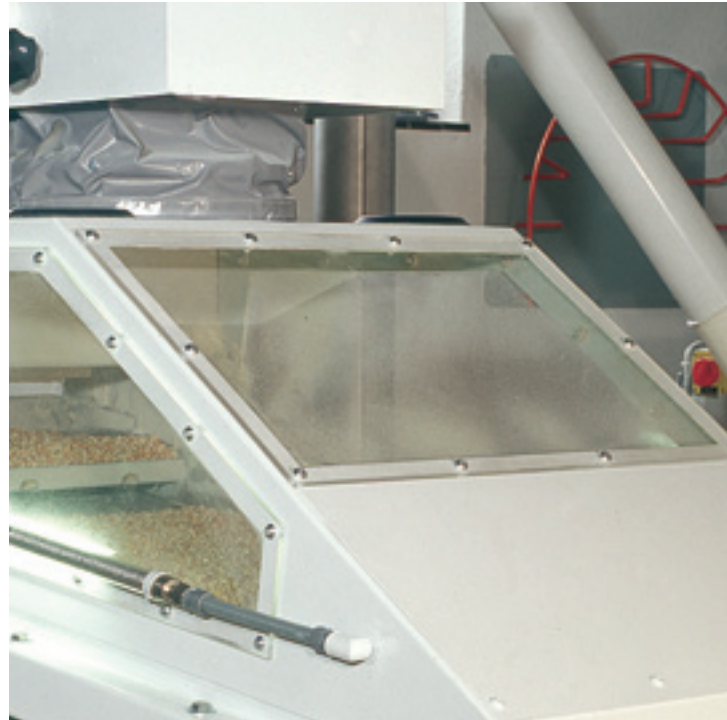


Destoner

MTSC



Destoner MTSC.

For an efficient cleaning.



Destoner MTSC.
Execution with one screen deck.

Application

For separating stones from a continuous product stream. Reliable removal of high-density impurities such as stones and pieces of metal and glass is achieved on the basis of differences in specific gravity. Design: with or without air-recycling system.

Mode of operation

The gravity-fed grain is spread by a feeder, which at the same time acts as an air seal, across the entire width of the machine. On the pre-separation screen, the product stream is stratified according to its specific gravity by the oscillating motion of the screen and by the air flowing through the product from bottom to top. The light particles collect at the top, and the heavy ones including the stones at the bottom.

The lower layer with the heavy particles flows upward and is fed to the final separation zone of the bottom destoning screen. Final separation of the stones from the grain is accomplished by a countercurrent of air. The stone-free product streams on the two screens float on cushions of air, flowing slowly toward the product outlet. Discharge is effected through rubber squeeze valves.

The sieve box is supported by hollow rubber springs and is caused to oscillate by one or two vibrators depending on machine execution.

The inclination of the screens, the air volume and final separation can be individually adjusted to achieve the optimum degree of separation. For capacities below 6 t/h, the machine is applied with a single screen deck.

Destoner MTSC.

With air-recycling system.

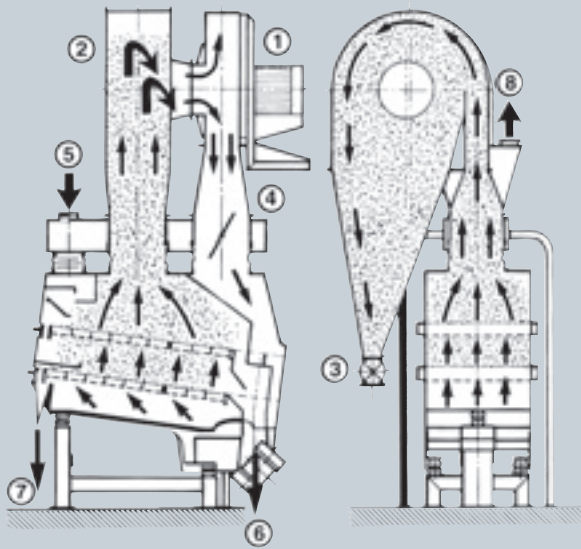


Destoner MTSC.
Execution with air-recycling system
and two screen decks.

- Excellent separation degree
- High specific capacity
- Various applications
- Reliable
- Easy operation and maintenance

Destoner MTSC.

Various applications.



A special separator is installed ahead of the fan. The separator deflects the aspirated air through a lamellar system so that dust and chaff are separated from the air and discharged by an airlock valve. The cleaned air is returned by the fan in the air return duct to the destoner.

- ① Fan
- ② MANU air-recycling separator
- ③ Airlock
- ④ Air return duct
- ⑤ Product inlet
- ⑥ Product outlet
- ⑦ Stones
- ⑧ Aspiration connection
(necessary for dust-free operation of the machine)

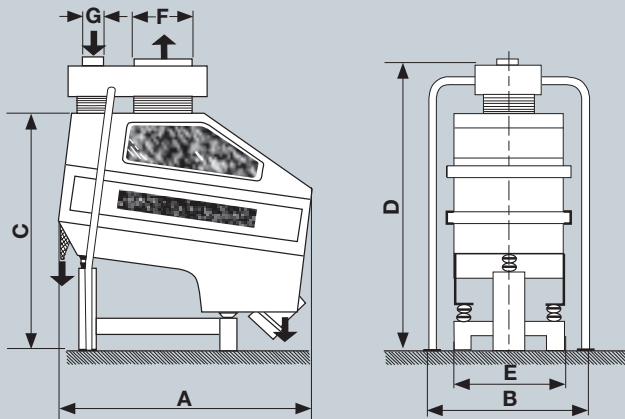
Capacity table. The capacities specified refer to dry grain in the first cleaning stage.

Type MTSC-	Product	Capacity t/h	MANU air-recycling system		Aspiration without or with air-recycling system m ³ /min.
			Fan kW	MANU type	
65/120 E	Wheat	6			70
65/120	Wheat	6–12			70
120/120	Wheat	12–22			130
65/120 EU	Wheat	6	5.5	35/40	8
65/120 U	Wheat	6–12	5.5	35/40	8
120/120 U	Wheat	12–22	11	35/70	12
65/120 E	Durum	4			70
65/120	Durum	4–8			70
120/120	Durum	8–14.5			130
65/120 EU	Durum	4	5.5	35/40	8
65/120 U	Durum	4–8	5.5	35/40	8
120/120 U	Durum	8–14.5	11	35/70	12
65/120 E	Corn (Maize)	4.5			70
65/120	Corn (Maize)	4.5–9			70
120/120	Corn (Maize)	9–16.5			130
65/120 EK	Wheat germ separation	0.7			40

E = 1 screen deck U = with air-recycling system EU = 1 screen deck, with air-recycling system
EK = 1 screen deck for wheat germ separation

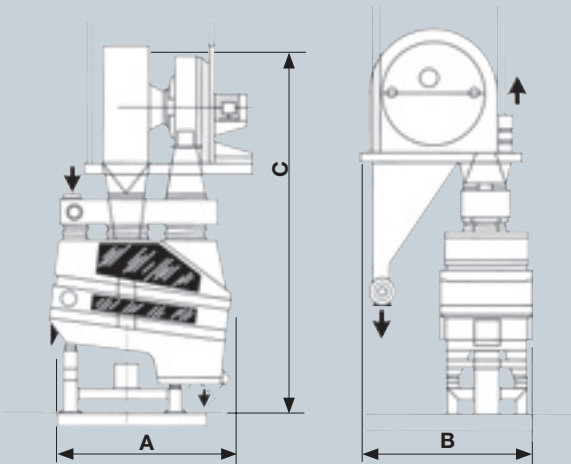
Destoner MTSC.

Custom-made solutions.



Execution without air-recycling system: dimensions, technical data, weights, etc.

Type	Dimensions in mm							Screen width cm	Screen length cm	Vibrator power requirement kW	Low pressure of air mbar	Approx. weights in kg			Volume of sea-packing m ³
	A	B	C	D	E	F	G					net	gross	by sea	
MTSC-65/120 E	1600	1000	1195	1545	660	350	120	65	120	1 x 0.3	12	310	425	485	3.25
MTSC-65/120	1600	1000	1445	1805	660	350	120	65	120	1 x 0.3	12	400	525	590	3.75
MTSC-120/120	1600	1540	1445	1805	1200	500	120	120	120	2 x 0.3	12	600	765	845	5.5



Execution with air-recycling system: dimensions, technical data, weights, etc.

Type	Dimensions in mm			Screen width cm	Screen length cm	Vibrator power requirement kW	Approx. weights in kg			Volume of sea-packing m ³
	A	B	C				net	gross	by sea	
MTSC-65/120 EU	1700	1366	2785	65	120	1 x 0.3	745	990	1110	6.95
MTSC-65/120 U	1735	1366	3045	65	120	1 x 0.3	835	1095	1225	7.6
MTSC-120/120 U	1962	1632	3314	120	120	2 x 0.3	1270	1605	1775	11.55

