

PROCESSING

BELT SORTER BS

GENERAL

Brand	Cimbria
Designation	Belt sorter
Model	BS
Use	Modular construction of the belt sorter allows the use of several parallel decks to cover a wide capacity range



The belt sorter type BS is focused on the rolling characteristics of the single kernels. It can separate round from flat or respectively long kernels. Mainly sugar beet seed, peas, soybeans and kernels with similar round shape can be freed of half- broken, sticks or “twins” by this very simple sorting principle, giving good overview of the sorting process by means of the generous insight to the surface of the sorting belts. Modular construction allows the use of several parallel decks to cover a wide capacity range.

The product is fed continuously with a vibrator feeder unit onto the surface of the belts. The belts are mounted in an adjustable inclined position; the belt moves 90° to this inclination. Kernels which do not roll off by the inclination are conveyed to the right and fall into a hopper. Round kernels are less deflected by the movement of the belt and roll downhill into another hopper. A slide in this hopper allows separating round kernels in two qualities. The adjustment of the inclination is done for all separation belts at once from 25° up to 40°. The belt speed can be adjusted by a frequency converter from 0.25 to 0,8 m/s. The belt separator can be adapted to the product by the use of belts with different surface texture.

At various places of the machine, dust extraction connections are provided.

Technical data	Type BS			
	I	II	III	
Belts	1	2	3	
Motor (standard)				
Feeder	kW	0.18	0.18	0.18
Belt drive	kW	0.55	2 x 0.55	3 x 0.55
Air volume				
Air requirement	m ³ /h	700	1 400	2 100
Dimensions				
Length	mm	1 900	1 900	1 900
Width	mm	1 850	1 850	1 850
Height	mm	2 050	2 050	2 050

