

Screw de-stoner **SO**



Operating principle

The screw de-stoner can be used in conjunction with all root crops. The integration of this system into a processing line dramatically reduces the potential for extreme wear and tear to associated equipment further along the installation. The screw de-stoner is constructed with a rectangular reception hopper with a vertical transport screw. The screw is driven by a reduction gearbox.

The circular water filled hopper receives the product to be de-stoned and in combination with the rotational action of the vertical screw auger draws the water and crop gently up the tube supported by the regular closed screw.

For better separation of the sand from heavily polluted products, a round reception hopper with a cone can also be utilized. The rotational action raises the product allowing the water to gravitate down the side of the auger. Heavy particles with negative buoyancy remain on the bottom of the hopper. Clean product (without stones) is transported out off the upper side of the transport screw.

Capacity

The capacity of the machine depends on the size of the product, and can be max. 5 tons/hour (11,000 lbs/hr).

Features

- simple and effective
- no damage to the product
- low water consumption (50 liters per hour)
- extremely durable, hard wearing and reliable
- ease of access for cleaning

Options

- collection bin for sand (only for SO 50/250-C)
- different screw diameters
- frequency converter

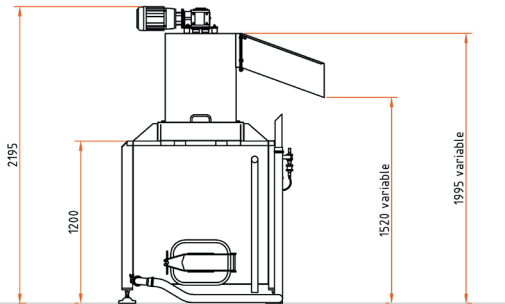
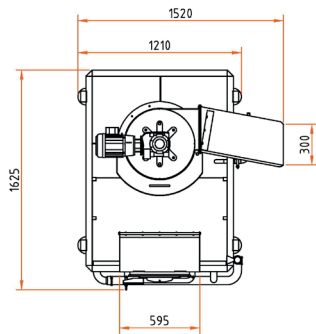


Product specification

With the screw de-stoner SO products like potatoes and carrots with a diameter of max. 200 mm can be processed.

Technical data

Type	SO-50/250-R	SO-50/250-C
Voltage	230/400V, 3ph, 50/60Hz	230/400V, 3ph, 50/60Hz
Installed power	1.5 kW	1.5 kW
Dimensions (LxWxH)	1,520 x 1,625 x 2,195 mm	diameter 1,500 mm x 3,530 mm



Dimensional sketch based on the SO-50/250-R

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Subject to change