



The ROLLSTER roll screen represents a highly effective screening device for classifying various types of bulk material based on the grain size. A broad range of materials – earth, aggregate, asphalt, concrete, wood, slag, biomass, compost, plastics, glass, ceramics, paper, cardboard, other material contained in municipal or industrial waste – can be sorted using this type of screen.

A considerable advantage of the ROLLSTER roll screen is its ability to process a broad range of frequently technologically extreme materials without the risk of jamming the infeed area. This ability ensues from the applied technological design which utilizes parallel lines of rotating discs. The lines of discs rotating in one direction impart a bouncing or wavelike action into the conveyed material. The applied design virtually eliminates the likelihood of screen clogging, whereby adhesive and not very loose materials can be reliably sorted as well. The alignment, arrangement and configuration of the screen's rotating discs depend on the specific application and the customers' requirements regarding the size of the sorted fraction. Depending on the specific application,

the material used to construct the individual discs also varies, from a high abrasion alloy steel to a highly durable rubber compound with increased mechanical and chemical resistance. The modular construction of basic sections, their two- or three-stage serial or parallel configurations allow for the set up of a multi-stage roll screen capable of creating up to four material fractions, in one pass, according to the grain size.

Rollster

R o l l S c r e e n

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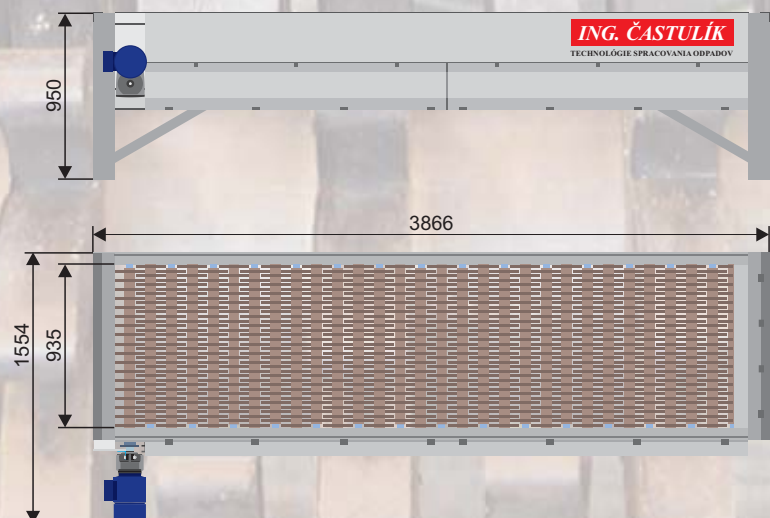


ADVANTAGES OF THE DEVICE

- high sorting performance
- small dimensions
- self cleaning ability
- low maintenance demands

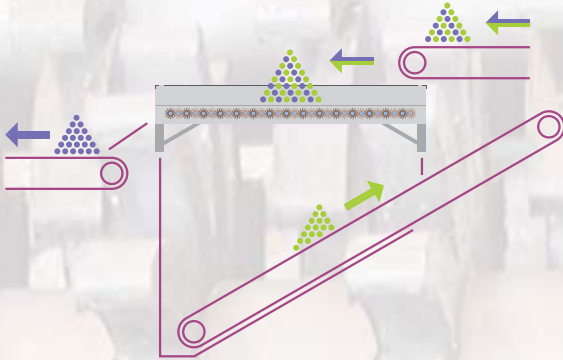
TECHNICAL PARAMETERS OF THE BASIC SECTION

Motor input: 1,1 kW
Sorting performance: 100 cum/h



One-stage sorting into two fractions - low alternative

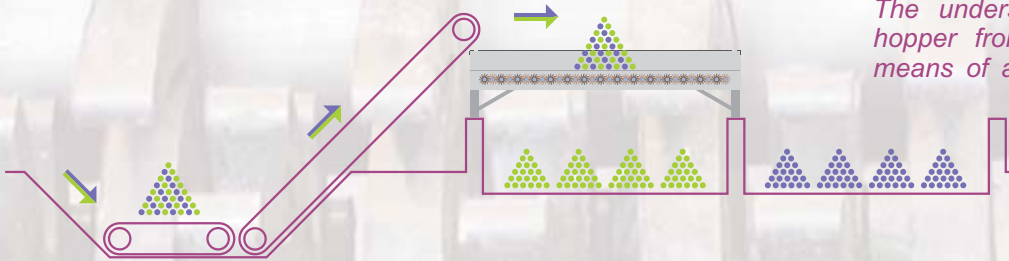
The undersize fraction is transported by a belt conveyor directly to the truck loading bed or to a large-capacity container. The oversize fraction remains on the spot. Example of use sorting of compost before dispatching.



The ROLLSTER roll screen can be used as a separate device or in technological lines. It is the complementary transport equipment or suitable processing technology that provides the user with a perfect solution for processing and sorting a broad range of organic and also inorganic materials. Serial or parallel configurations of ROLLSTER roll screens offer the possibility for multi-stage sorting into a larger number of fractions. Thereby the modularity of the efficient technical design of the ROLLSTER roll screen is fully utilized.

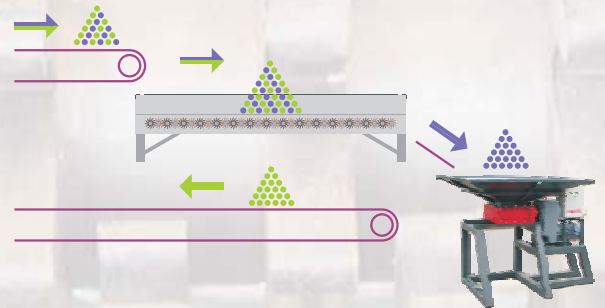
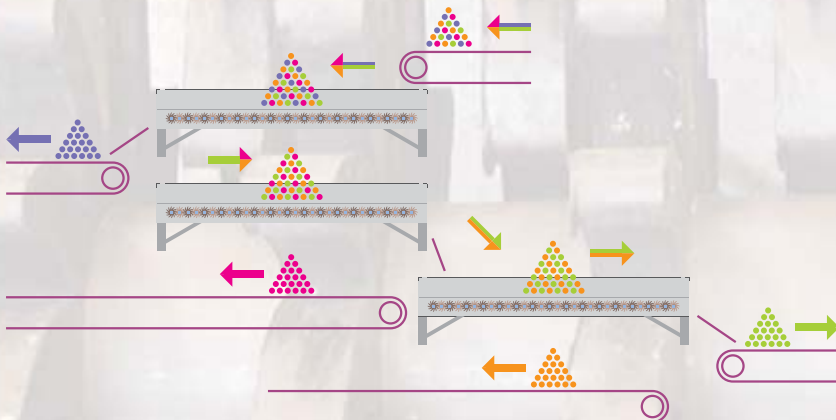
One-stage sorting into two fractions high alternative

The undersize fraction falls into the hopper from where it is handled by means of a front loader. The oversize fraction falls into another concrete hopper. Example of use preparation of fuel for a boiler burning wood waste, classification of gravel.



One-stage sorting into two fractions with shredding of the oversize fraction

The undersize fraction is transported by conveyors upwards to a free stockpile, truck or into a container. The oversize fraction continues into a double-rotor shredder where it is shredded to the required size. Example of use compost processing. It is the ideal solution for small and large-capacity composting plants.



Three-stage sorting into four fractions multi-level alternative

By means of three roll screens the supplied material can be efficiently sorted into four fractions in a relatively small area. Example of use sorting of gravel, construction debris, preparation of fuel for boilers burning wood waste.