

Sorting plant for commercial waste, paper, cardboard, plastic, modular design, yoc 2022, 151 operating hours, sorting capacity up to 20,000 tonnes/year



For sale is a sorting plant for commercial waste, paper, cardboard, plastics etc., year of construction 2022, only 151 operating hours, with a sorting capacity of up to 20,000 tonnes/year, in two-shift operation.

For sale is a sorting plant for commercial waste, paper, cardboard, plastics etc., year of construction 2022, only 151 operating hours, with a sorting capacity of up to 20,000 tonnes/year, in two-shift operation. The plant consists of the following components:

1 piece feeding / dosing hopper with steel slat conveyor and a dosing drum, manufacturer Bollegraaf, type BDF-1200/2000

1 piece ascending conveyor between the feed hopper and the sorting cabin, manufactured as a troughed conveyor, manufacturer Lubo Systems, type TBM 2000 x 15000

1 piece sorting cabin, air-conditioned (heated), measuring 14,500 x 5,732 x 3,270 mm (l x w x h), with 4 sorting stations, 8 discharge chutes and 5 material bunkers underneath. The concrete blocks are not included in the scope of delivery of the sorting system.

1 piece sliding belt conveyor as sorting belt, manufacturer Bollegraaf, type HBGT 250/1400 * 15000

1 piece ventilation system for the sorting plant with an air capacity of 8,000 m³/hour, heated with 93.8 kW electrical heating power, manufacturer MANDIK.

The area required to install the sorting system in its current configuration is at least 46 x 7.5 m (345 m²). The height of the sorting cabin including the ventilation pipes is 7,370 mm.

Remark:

The system is located in Germany, is still fully assembled, connected to electricity and could be inspected in operation (without the use of materials) if required. The plant is sold ex works. The dismantling and loading of the entire system as well as the broom-clean handover of the hall is at the risk and expense of the buyer. The owner can provide sporadic logistical support during dismantling with forklift trucks, wheel loaders and excavators.

Technical documentation for the system and the components (operating instructions, CE

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declaration, electrical and hydraulic circuit diagrams) is only available in German.

The existing control cabinet controls all of the customer's machines in two halls and is therefore not included in the scope of delivery of the sorting system. The control cabinet is disconnected on site, dismantled and remains with the previous owner in order to be able to continue operating the remaining systems on site. Only the frequency converters for the individual machines of the sorting plant are included in the scope of delivery.

The concrete blocks under the sorting plant are also not included in the scope of delivery and remain with the previous owner on site.

A viewing of the plant is possible by appointment after the prospective buyer has sent the complete company details (self-certification) and a subsequent credit check.

We accept no liability for the technical details or any errors.

Below you will find more detailed information on the individual machines / components.

Technical data for the feed hopper with steel slat conveyor:

Manufacturer Bollegraaf
Type BDF-1200/2000
Year of construction 2022
Operating hours 131 hours, as of July 24
Drive power feed hopper 0.55 kW, 2.3 A
Conveying speed adjustable, from 0.2 to 0.7 m/minute
Usable width of the wheel loader feed area 7,272 mm
Height of the baffle wall (transfer height) at the feed area 2,880 mm
Internal height of side wall, in the feed area 1,330 mm
Internal height of opposite chute wall 3,350 mm
Usable width, steel slat conveyor, inside 1,950 mm
Usable length, steel slat conveyor up to the dosing roller 8,500 mm
Optimum filling height according to manufacturer 1,500 mm
Optimum filling volume according to manufacturer 25 m³
Recommended max. bulk density according to manufacturer up to 120 kg/m³
Overall length of the feed hopper 11,590 mm
Weight 12,400 kg

Technical data for the feed hopper dosing roller:

Manufacturer Bollegraaf
Type dosing drum BDF 1216/2000
Year of construction 2022
Drive power of dosing drum 15 kW
Rotation speed from 40 to 70 rpm, adjustable via a frequency converter
Number of carriers, 12 pieces
Number of HARDOX ripper teeth, 16 pieces

Technical data for the ascending conveyor belt between the feed hopper and sorting cabin:

Manufacturer Lubo Systems
Type TBM 2000 x 15000 (troughed belt conveyor)

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Year of construction 2022
Operating hours 135 hours, as of July 24
Length of ascending belt 15,646 mm
Useful width 1,840 mm
Drive power 4 kW, 8.1 A
Conveyor belt speed up to 60 m/minute, adjustable via a frequency converter
Incline angle 19°
Weight 4,100 kg

Technical data on the sorting belt:

Manufacturer Bollegraaf
Type HBGT 250/1400 * 17400 (sliding belt conveyor)
Year of construction 2022
Operating hours 151 hours, as of July 24
Length of sorting belt 17,400 mm
Useful width 1,400 mm
Drive power 4 kW, 8.1 A
Conveyor belt speed up to 24 up to 84 m/minute, adjustable via a frequency converter
Incline angle 0°
Weight 4,040 kg

Technical data for the sorting cabin, air-conditioned (heated):

Dimensions 14,500 x 5,732 x 3,270 mm
4 sorting stations with 8 discharge chutes
5 material bunkers under the sorting cabin
Clearance height under the discharge chutes 2,950 mm
Height of the sorting cabin above ground 3200 mm
Height of the sorting cabin with floor construction, without ventilation pipes 3270 mm
Height of the sorting cabin above ground, incl. ventilation pipes, over all 7,370 mm
Width of the sorting bunker under the cabin 3,000 mm
Height of the sorting bunker to below the discharge chutes 2,950 mm

Remark:

The concrete blocks are not included in the scope of delivery of the sorting system but are bleached on site by the previous owner.

Technical data for the ventilation system for the sorting cabin:

Manufacturer MANDIK
Air flow 8,000 m³/hour
Electrical heat output 93.8 kW

Comments on the overall system:

Technical documentation for the system and the components (operating instructions, CE declaration, electrical and hydraulic circuit diagrams) are only available in German.

An inspection of the system is possible by arrangement after sending the complete company data (self-certification) of the prospective buyer and a subsequent credit check. We accept no liability for the technical details or any errors.

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