

Feed hopper with hydraulic moving floor and bag opener, manufacturer BRT Hartner GmbH, type HP5-3035, yoc 2015, hopper volume 30 m³



The feed hopper with bag opener was used at a large recycling plant, where recyclable materials from yellow bags or commercial waste were tipped into the hopper using wheel loaders, the bags were opened using the bag opener, and the recyclable materials were transported to a sorting plant or the commercial waste was transported in measured quantities for further processing.

Technical data feed hopper with hydraulic moving floor and bag opener for recyclables from yellow bags and residual waste:

Manufacturer BRT HARTNER GmbH

Type HP5-3035

Year of construction 2015

Hopper volume 30 m³

Drive line 17.5 kW

Dimensions in current state 13,200 x 3,050 x 4,350 mm (l x w x h)

Condition of the machine:

The feed hopper with bag opener was used at a large recycling plant, where recyclable materials from yellow bags or commercial waste were tipped into the hopper using wheel loaders, the bags were opened using the bag opener, and the recyclable materials were transported to a sorting plant or the commercial waste was transported in measured quantities for further processing. The system functioned flawlessly until it was dismantled and replaced with a larger system with higher throughput capacity. The machine was dismantled into individual parts in our workshop, partially overhauled, reassembled, and tested during operation.

The following overhaul work was carried out and the following spare parts were replaced:

Dismantling of the feed hopper and bag opener into individual parts. Cleaning, partial sandblasting, priming and painting of the steel parts.

Various wear and cover plates were newly manufactured and installed.

Cutting off the worn ends (approx. 40cm) of the push floor pipes. Welding on the new pipes and smoothing the push floor pipes.

Replacement of all plastic sliding plates for the hydraulic push floor.

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Removal of the hydraulic unit from the push floor, emptying of the hydraulic oil tank, replacement of the oil filters, refilling with new hydraulic oil.

Replacement of the three hydraulic blocks, all valves, the oil sight glass and all hydraulic hoses from the hydraulic unit.

The seal kit and hydraulic hoses were replaced on all three hydraulic cylinders of the push floor.

All six limit switches (proximity sensors) on the push floor were replaced.

The conveyor chains on the left and right of the scraper conveyor were replaced.

Seven carrier bars on the scraper conveyor were replaced.

The drive motor for the ripper blades was replaced.

All nine pneumatic cylinders for the pressure pipes were replaced. All pneumatic lines and connections were replaced.

All of the plastic sliding plates for the hydraulic operation of the bag opener were replaced. The bag opener can be moved vertically so that the system can also be used for commercial waste or residual waste without the bag opener.

The side impact protection plates on both sides were replaced.

Various wear parts of the bag opener have been replaced.

The entire system has been rewired and reconnected.

The system control in the control cabinet has been retrofitted by the manufacturer BRT Hartner to a self-sufficient individual control system and the standard programme has been reloaded into the control system.

The system has been commissioned and tested by the manufacturer BRT Hartner, see the function video.

Comments:

The documentation (Manual, CE-declaration, electr./hydr.-drawings), are available. Inspections are possible after agreement. We will not assume liability for the given technical data and possible errors.

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