POWDER HANDLING
LIFTING EQUIPMENT

BAGMASTER JR II

JR II - an ergonomic and dust-free big bag filler.

Filling big bags.

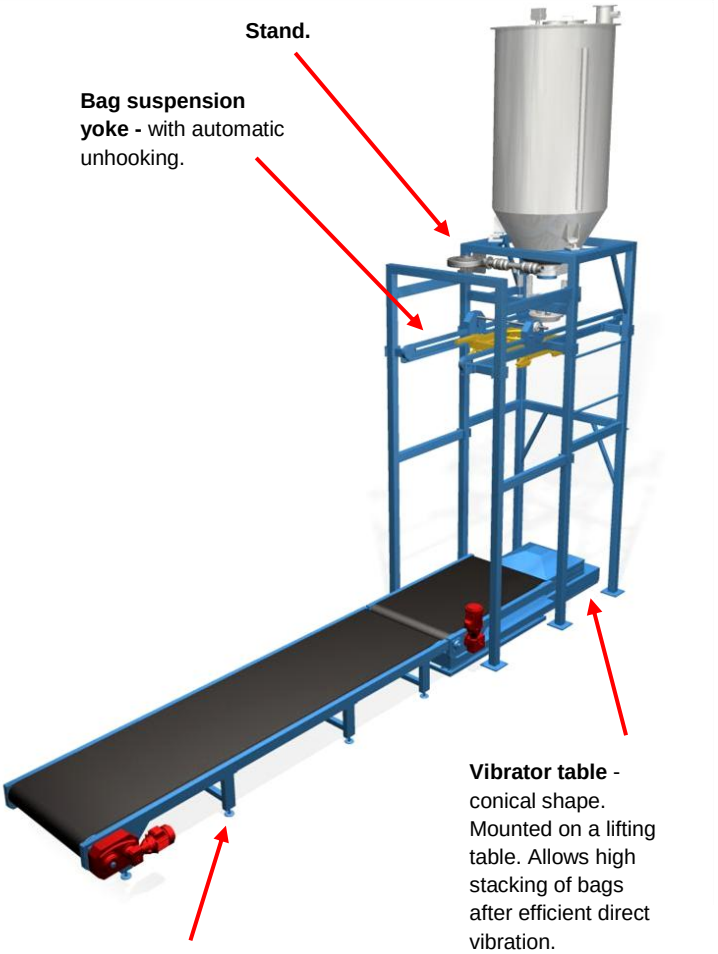
IBC's filling system for big bags is available in several basic versions with a wide range of accessories, to make it adaptable for all customer needs. All machine systems are designed with high quality and access-ibility. IBC has extensive experience in handling bulk products and offers custom-tailored powder handling equipment. The Bagmaster systems are designed for a modern and ergonomic working environment.

In terms of capacity, the JR II can handle 20-30 bags/h when the product is free flowing and not fluidized. The operator platform of the machine provides optimum ergonomics for the operator. The bag suspension yoke is movable and moves between three positions: rigging, filling and un-hooking. This provides an optimum working environment since the bag yoke is movable and provides quick access.

JR II offers a completely sealed filling process. The machine can be fed directly from the process or from buffer containers, a silo, etc. Feeding is possible using a screw, vibration feeder, rotary valve or valve. Weighing can be performed as either net or gross weighing.

JR II can also be adapted to fill RIBC's, i.e. barrels, octabins, etc.

The bag filler is available in standard steel, stainless steel, with ATEX classification, food grade, etc.



IBC International Handling AB
Hamnvägen 1
S-311 32 Falkenberg, Sweden
Phone +46-346 569 10
Fax +46-346 569 18
E-mail sales@ibc-international.se
Home page www.ibc-international.se

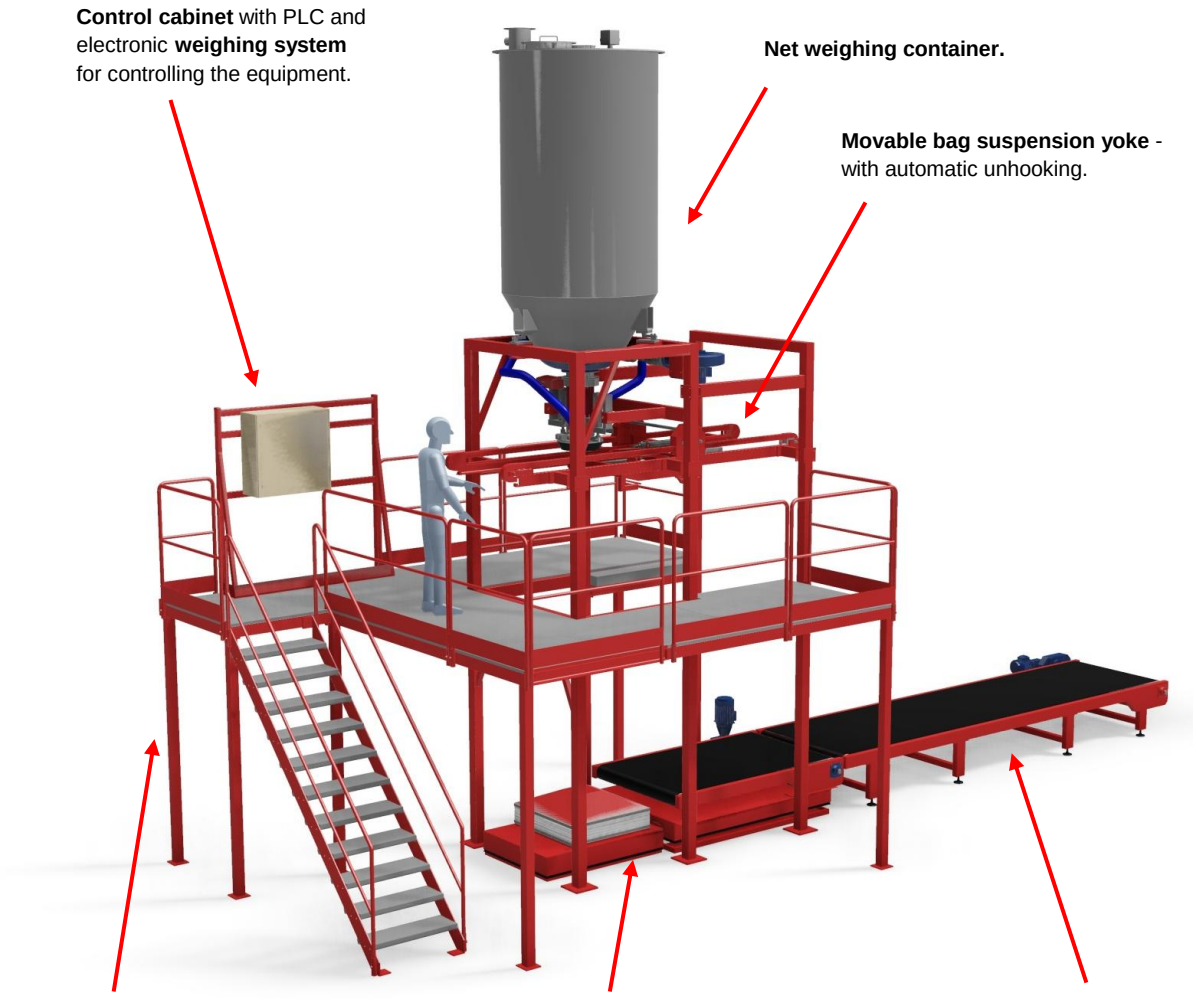
POWDER HANDLING
LIFTING EQUIPMENT

BAGMASTER JR II

A complete JR II facility.

JR II operation is hygienic and dust-free thanks to the sealed filling system. The empty bag is suspended in the bag yoke and the inlet is raised up around the centre ring. Pneumatic cylinders lower the rubber-coated clamping cone against the ring in the bag yoke. The clamping cone ensures dust-free filling of material and is equipped with channels for inflating the bag and dust evacuation. In addition, the clamping cone is equipped with a valve that prevents dust from the material leaking out when the cone is in the upper position.

The electronic scale system of the big bag filler is connected to the PLC system that controls the work cycle. The PLC system is located in a control cabinet from where the electrics, pneumatics and electronic weighing system are also controlled. The pneumatic equipment is mounted in a separate cabinet.

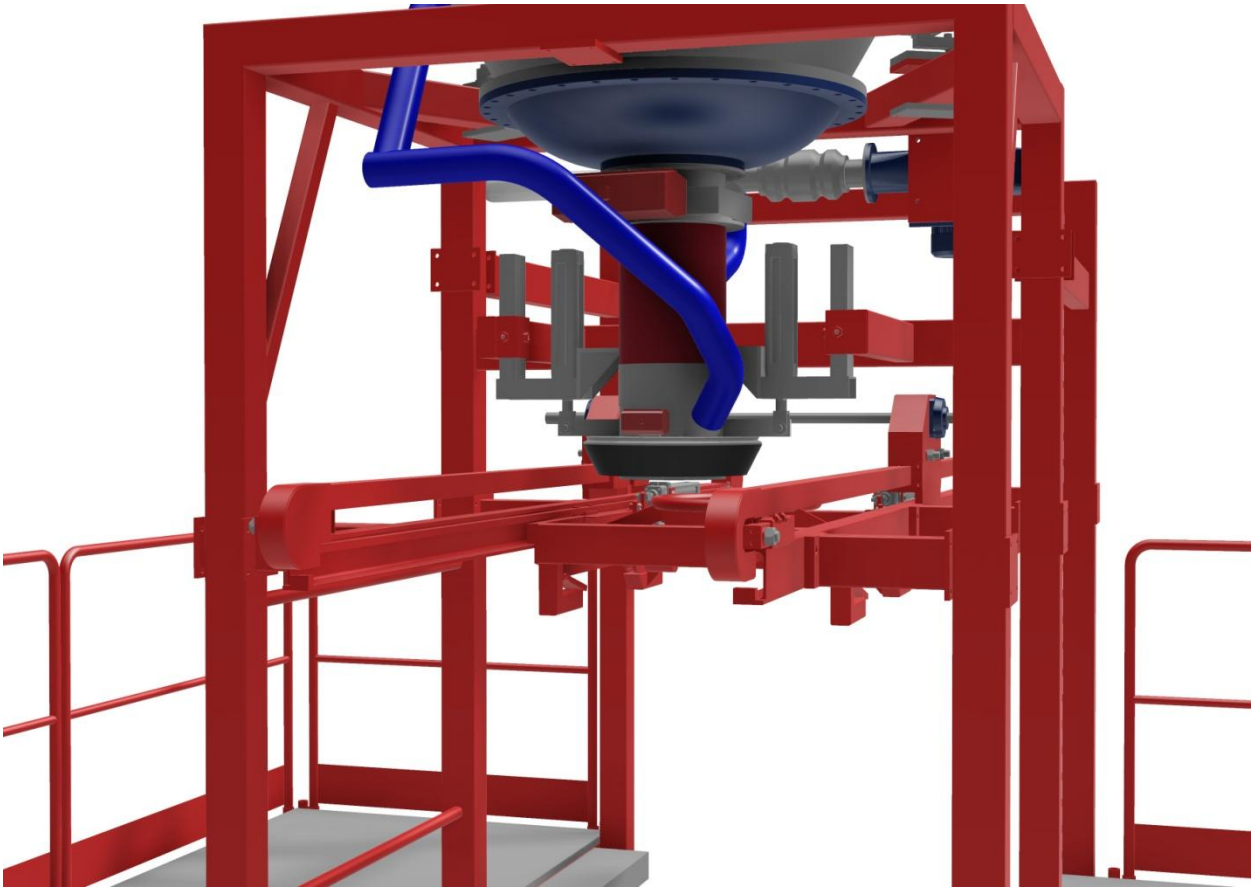


IBC International Handling AB
Hamnvägen 1
S-311 32 Falkenberg, Sweden
Phone +46-346 569 10
Fax +46-346 569 18
E-mail sales@ibc-international.se
Home page www.ibc-international.se

POWDER HANDLING
LIFTING EQUIPMENT

BAGMASTER JR II

Detailed view - movable bag suspension yoke



The movable bag suspension yoke moves between three positions: **rigging, filling and automatic unhooking.** Thanks to its mobility and the quick access, it is ergonomic and as such offers and optimum working environment.

IBC International Handling AB
Hamnvägen 1
S-311 32 Falkenberg, Sweden
Phone +46-346 569 10
Fax +46-346 569 18
E-mail sales@ibc-international.se
Home page www.ibc-international.se

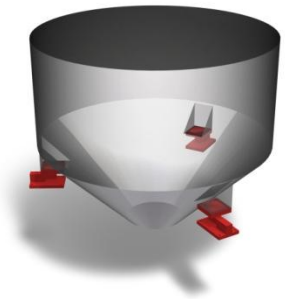
BAGMASTER JR II

Examples of accessories for BAGMASTER JR II

Filter system
Filters are used extensively wherever powders are handled. The choice of filter system depends on the application.

Dosage valve
Pneumatically controlled, and available as sliding or butterfly valve for rough and fine dosing.

Gross weighing
Weighing system with four load cells. For gross weighing, the material is weighed when it enters the packaging.



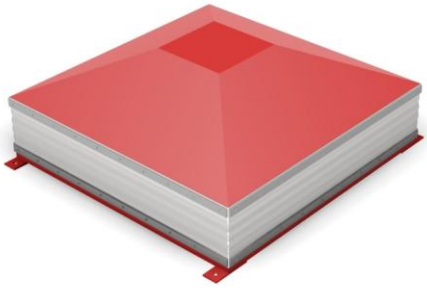
Net weighing
Weighing system with three load cells. For net weighing, the weight of the material is determined in a weighing container before the filling station. One advantage of net weighing is that the capacity is higher than for gross weighing.

IBC International Handling AB
Hamnvägen 1
S-311 32 Falkenberg, Sweden
Phone +46-346 569 10
Fax +46-346 569 18
E-mail sales@ibc-international.se
Home page www.ibc-international.se

POWDER HANDLING
LIFTING EQUIPMENT

BAGMASTER JR II

Lifting table
Used to unhook the filled big bags. Placed at the bottom of the big bag filler. The lifting table is especially suitable for accumulation conveyors.



Conical vibrator table
When filling fluidizing and otherwise hard-to-fill materials, the machine is supplied with a high-efficiency vibrator table, which is placed in the lower part of the machine. The vibrator table compresses and compacts the material in the bag during the filling process to offer a more stable bag and an even top angle.

Automatic bag welder – welding in progress
After filling is complete, the bag is closed automatically through stretching of the inlet spout, or by the spout already being stretched in the rigging mode. Two welding electrodes weld the inlet together. Both electrodes are active, i.e. both are used for welding.

Automatic bag welder – finished result
The welding time is adjusted in accordance with the quality of the bag. The unit is controlled with one or two pneumatic cylinders mounted on solid linear guides. Welding always starts in the automatic cycle, but can be deselected on the operator panel if required.

Examples of equipment that IBC offers for all filling systems
• Screw conveyor • Vacuum conveyor • Pressure conveyor • Vibration feeder • Rotary valve
• Level guard • Metal detector • Sampler • Marking of big bags • Buffer container

IBC International Handling AB
Hamnvägen 1
S-311 32 Falkenberg, Sweden
Phone +46-346 569 10
Fax +46-346 569 18
E-mail sales@ibc-international.se
Home page www.ibc-international.se