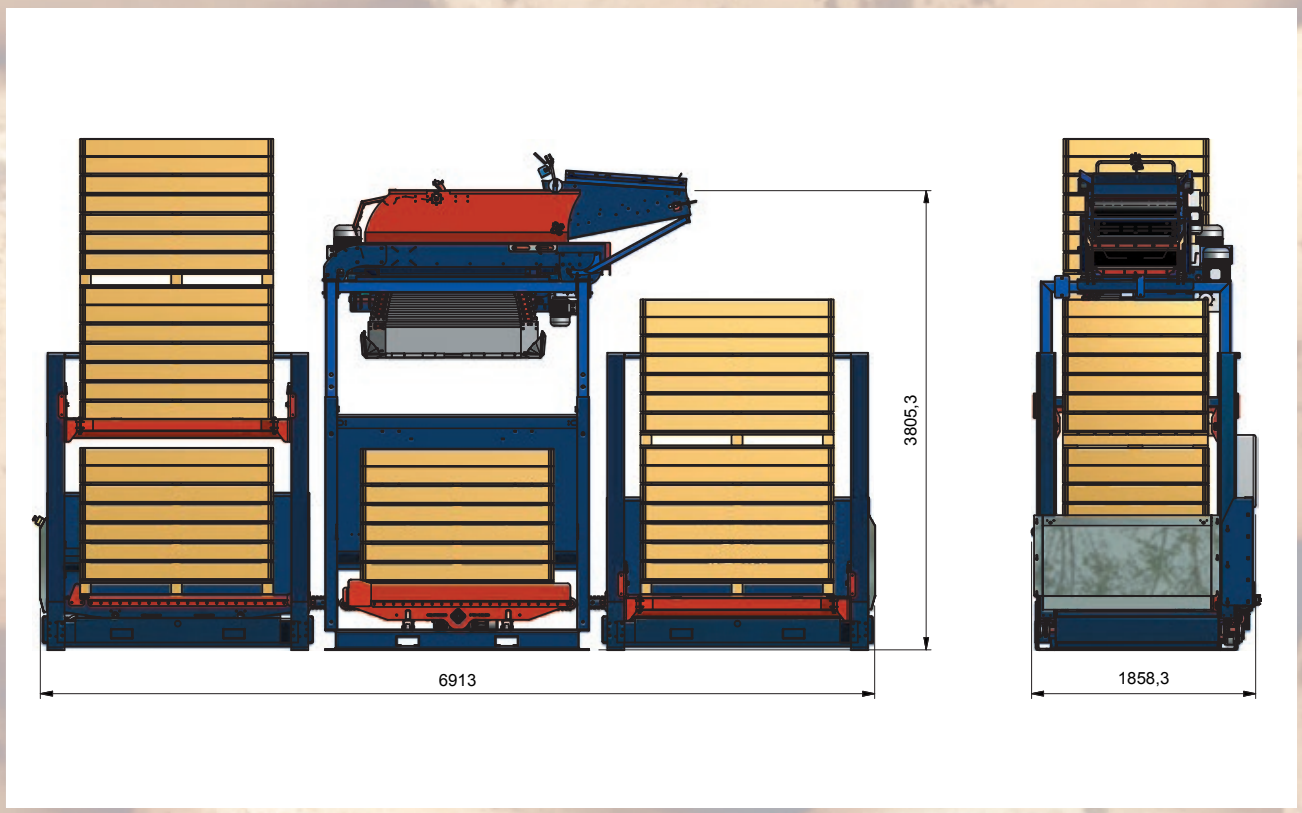
MECHATEC BV
BOX HANDLING SYSTEMS

VARIO FILL FLOWMASTER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FLOWMASTER

PRODUCT CAPACITY, EFFICIENCY, SIMPLICITY, KINDNESS!

MECHATEC VARIO FILL FLOWMASTER BOXFILLER

With the Vario Fill Flowmaster from Mechatec you can fill efficiently your boxes and big bags. By a variable bunker and a moving conveyor belt ground and product (around and elongated) is perfectly distributed in the box. Non-stop supply by buffer at the bufferconveyor belt of +/- 350 KG during the unloading of the bunker. The Vario Fill Flowmaster is equipped with a variable bunker which scrolls together fully after emptying. Because of that principe a lower collapses high is sufficient by filling big bags. The Vario Fill Flowmaster can be supplied en filled by a regular carrier.

OPERATION VARIO FILL FLOWMASTER

The variable bunker consists of stainless steal segments which scroll together. Above the machine a moving conveyor belt fills the bunker. This band brings the product layer by layer and dumpcone free in the bunker. When filling a second layer the bunker lowers (+/-15-20 cm) and the second layer is going to be layed. The height of dropping remains minimal. The cycle is repeated (3/5/7) times until the bunker is full (level) or the desired number of pounds is reached. The stainless steel bunker hangs on four loadcells so NET balanced product is placed in the box. During the unloading of the bunker in the box the conveyor belt stands still but shifts though. The box can be shaken during unloading for a perfect flat result in the box.

OPERATION VARIO FILL FLOWMASTER WITH LOW COLLAPSES

After putting some layers in the bunker, the bunker is prolapsed so far that there has to be a box under the filler. At that moment there is +/-700 kilograms product in the bunker. When the box is present, the filling process continues until the desired weight or level is reached and the stock is unloaded in the coffin.

VARIO FILL FLOWMASTER WITH HIGH COLLAPSES

Now there is enough space under the machine present that the bunker can buffer fully 1300 kilograms. There is a possibility for another box under the bunker so the forklift driver can take the stock directly. If there is a box present than the bunker is emptied. The conveyor belt runs through because on the top conveyor belt is still +/-350 kilograms buffer space. When the forklift driver is not in time with the box the supply stops automatically.

VARIO FILL FLOWMASTER DURING THE FILLING OF DE BIG BAGS

For operation as big bagfiller the filler is lifted approximately 0.50 metres on the uprights and anchored with a pen-hole connection. The stainless steel bunker is equipped with a hooksset and two additional (hook) valves (optional). The machine starts to fill the variable bunker layer by layer until the desired weight is reached. At the bottom of the stainless steel bunker, the bigbag hungs at the hooks. Then the bunker lowers until the height of drop is minimal. The valves are opening and at the same time, the bunker is pulled in including hoistin up the big bag. When the bunker is empty, the valves close and the big bag hangs free off the ground so that all corners are fully extended and the bag stands beautiful upright. Also in this situation the Vario Fill Flow master works non-stop and the buffer conveyor belt is filled again for the next big bag.

VARIO FILL FLOWMASTER IN THE BOXMASTER.

Also at Mechatec we see the developments in the agricultural sector where the number of boxes at the big companies ever increases. At large quantities of boxes there are many hefruck movements. However, to preserve rest and the quality of forkliftdrivers and boxes the Boxmaster is developed. The Boxmaster consists of a robust base with on one side a feeder, in the middle the Vario Fill Flowmaster or a Boxer boxturner and a accumulator at the other side.
The feeder lifts all boxes above the lower box and the other box rolls over the roller conveyor belt under the boxfiller. When the bunker of the filler is full it is emptied into the box, during the resolve the box is shaken (adjustable) to get the boxes nicely filled. If the box is filled and the bunker has pulled up the filled box rolls on the conveyor belt to the accumulator. The accumulator picks up the filled box and lifts the box high enough so the next box - with head – can be placed onderneath. The following box rolls out under the lifted box and this one will be accumulated exactly. The accumulate system lifts effortlessly full boxes.

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ADVANTAGES

- More layers of filling (5)
- Filled without forming cone-shaped piles
- 1 crate in stock in the bin
- Weighing system
- Easy to fill Big Bags straight from the bin
- Shaking system
- Flow control
- With Boxmaster or stand alone

TECHNICAL SPECIFICATIONS
VARIO FILL
FLOWMASTER

Capacity	max 150 m3/h
Crate size std	160x120x125
Crate size max	160x125x160
Stand Alone or Boxmaster	standard
Flow Control in line circuit	standard
Shaking system	optional
Weighing system	optional
Touchscreen operation	standaard
Fill Big Bags	optional
Power supply	3~32A 400V

OTHER MECHATEC MACHINES:

KK 3000 CRATE TIPPER

STACKERS

BOXER CRATE ROTATOR

CONTACT DETAILS

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