

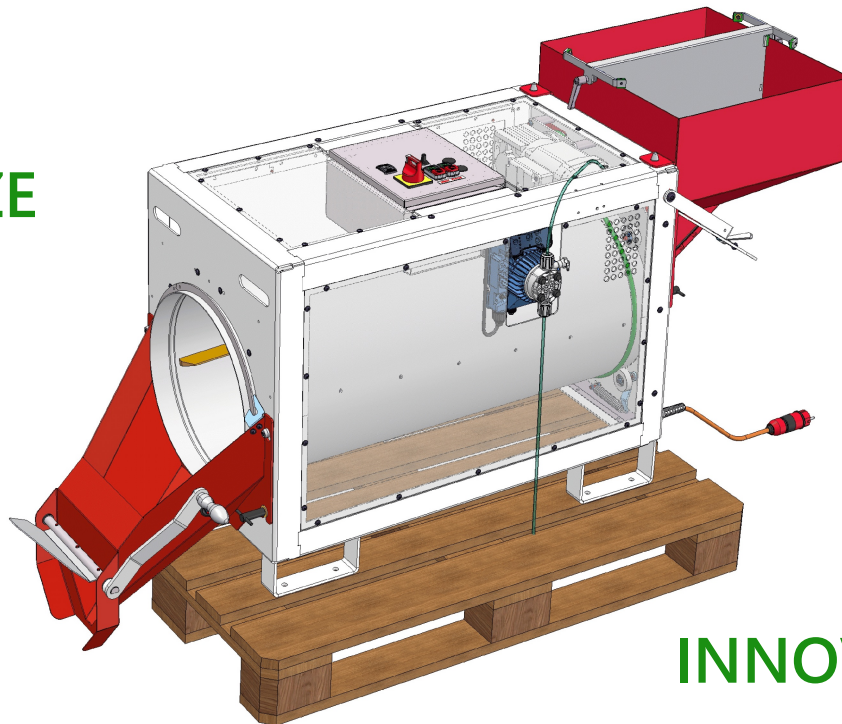
BT100

Seed Treatment Drum

Patent pending, 2016.

ka-tec
KONSTRUKTIONSBÜRO ABEL

FERTILIZE



INNOVATIVELY

The **BT100 Seed Treatment Drum** is used to inoculate different crops with nutrient and bacterial solutions (N-bacteria) approved in organic and conventional farming. The treatable species spectrum includes e.g. rapeseed, grain, maize (corn), rice, sunflower, bean, pea, soja, herb seeds, grass and much more.

During the inoculation of the seed in the treatment drum, the circulation takes place gently in free fall under very low mechanical load for the seed case. The adjustable drum speed in conjunction with the adjustable dosing pump, as well as the ability to determine the throughput of the seed by means of a slide in the filling hopper, allow an adapted and uniform wetting of the seed with the nutrient or bacterial solution. By installing a seed sensor in the filling hopper, the dosing pump is switched off first and 2 minutes later the drum is switched off automatically when the hopper is empty.

The bottling funnel has a mechanical butterfly valve with lever for buffering the seed when changing the collecting bags, e.g. for rapeseed, maize and other small containers.

The frame as well as the filling hopper and bottling funnel are made of sheet steel and are powder-coated. The treatment drum and other parts that may come into contact with the treatment solution are made of stainless steel (1.4301) or plastic.

Technical specifications **BT100**:

| | |
|------------------------|---|
| Dimensions: | LxWxH 1.780 x 580 x 860 mm (assembled state) |
| Total weight: | appr. 130 kg |
| electrical connection: | 230V L+N+PE, 50 Hz, internal protection 2x 6 Amp. |
| Connection: | Safety plug (Schuko), 2 pole + PE |
| Capacity: | maximum 4t/h depending on seed type and fog nozzle. |

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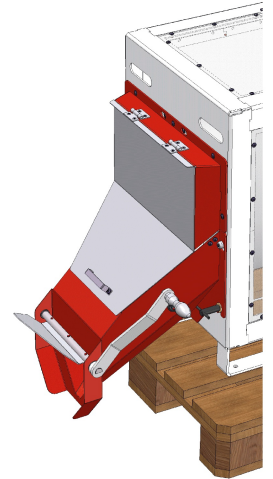
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Accessory:

Cover made of stainless steel sheet over the bottling funnel.

When inoculating pretreated seeds, a spray may be used emerge to the rear from the drum, with the abrasion of the seed coating is interspersed. Especially when manually filling in bags behind the device, this mist can be inhaled. The flap above the bottling funnel prevents direct spray exit to the rear, thus protecting the operator.

In principle, the current health and safety regulations must be adhered to when treating seeds!

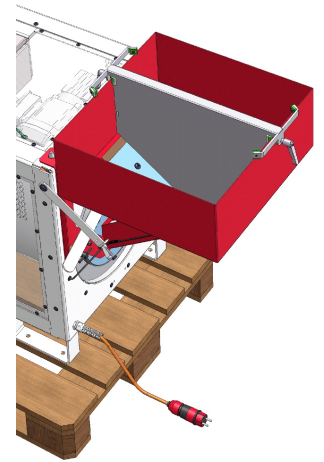


Accessory:

Flow divider insert made of stainless steel sheet.

For mixing different varieties, as well as for mixing varieties into prescribed seed mixtures for flowering areas or flower strips. The flow divider insert can be adjusted and locked on the edge of the filling hopper according to the desired mixing ratio. After use, the two clamping levers are released and the flow divider insert can be removed upwards from the filling hopper.

With the flow divider insert as accessory you can in one operation, in the **BT100** seed treatment drum, varieties mix and at the same time inoculate.



Accessory:

Micro-fog nozzles made of special stainless steel with different holes.



Nozzle sizes with 1/8" BSP male connection

| Nozzle-No. | L / min at Pressure | | Species | Pump strokes | |
|-------------|---------------------|-------------|----------------|--------------|---|
| | 5 Bar | bzw. 10 Bar | | | |
| PJ15 | 0,189 | 0,267 | rapeseed, corn | ≤ 60% | All information is appr. and depends on the sprayed treatment solution. |
| PJ20 | 0,341 | 0,483 | cereal, maize | bis 70% | |
| PJ28 | 0,662 | 0,937 | cereal | bis 85% | |
| PJ40 | 1,430 | 2,020 | cereal | bis 100% | |

By default, a PJ15 nozzle is mounted on delivery!

On request, any other nozzle size can be mounted!