

Product data

Seed Treatment Equipment



Consulting & Training

Analytic Equipment

Seed Coating

Additives

LF300 Filmcoater

Year of manufacturing: 2018

The LF300 filmcoating machine is designed for high precision, uniform and seed friendly film coating of seeds. The accuracy and uniformity are achieved by gravimetric dosing of liquid by means of recipe control.

The machine has a rotor with a controllable speed and a diameter of 300 mm, which is made of steel and covered with a PU-liner for more grip in the seedbed. The stator is also made of steel with a hard chrome layer.

We cannot guarantee the use of chemical agents.

The machine is equipped with an 'axial discharge system' for the discharge of the treated seeds. Here the rotor moves up and down in the stator so in the upper seed position the seed can be treated in a seed-friendly manner. Two paddles attached to the top plate are responsible for the 'movement' of the seed. The paddles can be manually adjusted, both in rotation and in the position relative to the stator wall.

Pollution between rotor and stator is counteracted by airflow created by a fan.

Through a LED light on the top plate and the transparent cover the operator has a clear view of the process. The atomiser which is also mounted on the top plate ensures a very good distribution and mist of the liquid on the seedbed. The atomiser is manually adjustable in height.

On the upper plate a dust extraction point is also arranged.



This machine comes with:

- 1x PLC/HMI touch screen control system serving the process recipe control with a storage capacity up to 99 recipes. The touch screen is mounted to the construction.
- 1x speed-controller peristaltic pump for the gravimetric dosing of liquid in combination with a weighing unit with a maximum of 15 kg. This pump is mounted to the frame and weighing unit is mounted separately, Pumphoses ø32 (3 metres) and ø48 (3 metres) are included also as the hose nozzles.

The amount of to be treated seed needs to be weighed manually according the recipe and dosed into the coater. The amount of to be dosed coating liquid will be according this recipe.

Features & Benefits

- Seed friendly
- Short processing time
- Gravimetric dosing
- PLC controlled
- User friendly
- Robust design
- Clear process view

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|--------------------------------|--------------|
| Connection requirements | LF300 |
| Power main motor | 1.5kW |
| Voltage | 400V |
| Frequency | 50Hz |
| Air pressure(bar) min. | 6 |
| Scale pump | 15kg |
| Internet | Yes |

| | |
|-------------------------------|---------------------------------------|
| Machine specifications | LF300 |
| Max. height | 1761 |
| Depth | 868 |
| Width | 760 |
| Max. weight | 250kg |
| Accessories | 2 nd hose pump gravimetric |

| LF300 | Tomato | Onion | Cucumber |
|---|---------------|--------------|-----------------|
| Batch capacity | 1,5kg | 1,75kg | 1,5kg |
| Processing time* | 60 sec | 50 sec | 50 sec |
| Coating liquid* | 40 gr/kg | 43 gr/kg | 25 gr/kg |
| *Based on coating till saturation point | | | |