

“Small rotary coater with possibility to have a fully automated system”

With minimal effort, you will be able to dose/ apply very precisely the crop protection, micronutrient, colorants etc. accurately on the seeds. The HR350 is **easy to use** and can be delivered from very basic manual up to fully automated rotary coating.



HR350 Manual - Basic (table model)



HR350 Advanced (PLC)
Setup with powderfeeder and liquid pump

The HR350 is easy to use and can be configured based on your needs. We can add several liquids, powder supplies, SLSS systems etc. Basically the HR350 gives you the opportunity to do laboratory scale testing of protocols but it can also be setup as a medium/small production machine.

Specifications:

- Easy to operate
- 100% top access
- “Off centre” liquid supply
- Exit door opens in rotary direction (Faster and cleaner emptying of the machine)
- Pneumatic valve to open door
- Standard in hammer tone grey powder coat
- LED light to illuminate process
- Fan for air pressure underneath main disk
- Wear resistance stator made of stainless steel, no liners to have a smooth finish
- Stainless steel main disk
- Height changeable liquid disk
- PLC machines are equipped with a modem for external support
- CE-European Industry standard
- Several standard control box options available

Standard available control boxes:

- Basic
 - On/off and speed main disk
 - On/off liquid disk
 - Door opening
- Advanced
 - Same functions as Basic but with:
 - External control panel
 - Integrated control for liquid pump
 - Integrated control for PF-35 powder feeder
- Advanced (PLC)
 - Same functions as Advanced but with:
 - PLC controlled with 7" HMI
 - Possible to store recipes
 - Run "semi" automatic coating trails
- Complete automated systems in various configurations

(a combination of the above mentioned configurations is also possible. Hoopman equipment & engineering also delivers bespoke rotary coaters)

Options:

- Integrated powder feeding (with or without gravimetric feed)
- External powder feeding (with a Hoopman equipment & engineering powder feeder)
- Peristaltic pump for liquid supply (1.7 – 5400 ml/min)
- Flowcontrol with only recognizing flow or no flow
- Accurate flowcontrol, measuring the liquid supplied.
- SLSS Smart Liquid Supply Systems
- Frame with swivel wheels

Technical information

Power	3~400+N Vac / 50Hz / 6A
Connector	EU standard 5P round plug/16A
Compressed Air	6 bar (door open/close)
Capacity	0.5-3L/batch / 200l/hr*
Dimensions	510x500x650mm

* The specifications of the capacity is only an indication and depends on your seed / recipe (the above mentioned capacity is based on a batch time of 45s and a polymer/pesticide application of 35g/kg. You can contact us to know how much seed you can coat with this machine with your seed / recipe.

Because of the increase of the application rate of pesticide / polymer, it is almost inevitable to dry the seed after coating. Hoopman equipment & engineering also delivers different drying systems which can keep up with the high speed of rotary coating. You find more information about our dryers on our webpage, or contact us for more information.