

“Rotary coater with a high capacity”

The HR800 rotary coater is the most common used size rotary coater. It is made for coating / pelleting medium seed lots up to high production capacities.

With the HR800 it is possible to coat, depends on your seed / recipe, about 1500-4000 litres per hour (Based on a batch time of 45s and a polymer/pesticide mix application of 35g/kg).



The HR800 is available in different configurations, varying from manual machines till fully automated machines. Hoopman equipment & engineering b.v. also delivers bespoke HR800 configurations.

Specifications

- ☐ High speed coating
- ☐ High speed pelleting
- ☐ Easy to operate
- ☐ Simple straight forward design
- ☐ Modular system
- ☐ 100% top access
- ☐ “Off centre” liquid supply
- ☐ Exit door opens in rotary direction (Faster and cleaner emptying of the machine)
- ☐ Standard in hammer tone grey powder coat
- ☐ PLC machines are equipped with a VPN box for external support
- ☐ CE-European Industry standard
- ☐ Special designed rotor/stator connection, slot can be changed even after a couple of years
- ☐ Stator in Duplex Stainless Steel (other version available)
- ☐ LED Light in cover plate to have good visual access
- ☐ Pressure fan for air between rotor/stator (no expensive compressed air required)

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 system (Smart Liquid Supply)

Technical information	
Power	3~400 Vac / 50Hz / 16A
Connector	EU standard 5-pole round plug (16A)
Capacity	50l/batch / 4000 liter/hour
Dimensions	800mm

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.

