



Rotary Fluid-Bed Drying systems

Over the last two years Hoopman equipment & engineering b.v. has developed some **revolutionary** new drying systems*.

Revolutionary not only because it is a completely new concept but also because it is combining two key drying technologies;

- fluidized bed technology, the preferred drying principle in sensitive, high value pharmacy products
- rotating drum technology that enables a simple continuous flow system.

Key features of the system are;

- **Can be installed in every existing coating line.**
- Very gentle handling of the seed and **absolutely self cleaning** drying drum so **no down time** between orders.
- **Labour saving**; no more transport between coater/dryer/de-duster and easy to automate.
- Sticky/tangled **seed will immediately start to 'free flow'** because of the combined fluidized bed and tumbling action to the rotary drum; no double seeds or clumps, even when applying high liquid rates in the rotary coater
- Running the rotary coating too dry can cause serious 'rub-off' during the last few seconds in the rotary coater; so also if drying is not the key target, it will **'condition' your seed** before going into intermediate hoppers, silos, transport systems to your packing line and helps to avoid bridging, tacking and support free flow down stream
- **Will separate all dust/small particles from the seed.** Rotary coating has an inevitable rubbing/de-bearding effect on seeds such as carrot and beet and this debris is automatically separated from the coated seed
- Available in **different standard sizes and modular extendable** with air drying and recirculation systems
- **Energy efficient, extremely quiet and operator friendly**

Practically proven system.

This system has already proven itself in a commercial integrated coating/drying system that has been **running trouble free for more than one year** with one of the leading seed companies in Holland. Many different seed lots are being processed every day to cater JIT order processing.



Rotary Fluid Bed Dryer connected to a HR600 (600 mm =15 ltr.) rotary coater

Demonstration and Testing Lab.

In our demo/lab facilities in Aalten (NI) we can do test runs with your product to dimension exactly the required capacity needs of the dryer as well as that of the air treatment/filtering units. We can deliver turn key but also only the dryer. We can assist you to source local supply of the air treatment components. We can also train your staff to supervise highly automated coating/drying systems.

* patents granted and patents applied for

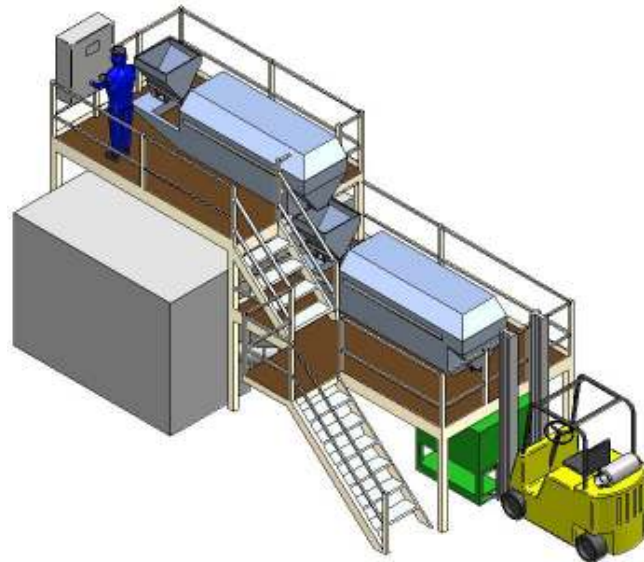


Hoopman equipment & engineering b.v. now offers a complete line of Rotary Fluid-Bed Drying systems to cater both large existing/new rotary coating system**.



RFBD 400 connected to coating system

RFBD 400 has a capacity of about 250 – 750 kg coated/encrusted seed per hour depending on moisture applied and capacity of the optional dehumidification/recirculation system.



RFBD 600 x 2

The RFBD 600 has a capacity of about 500 – 1000 kg coated/encrusted seed per hour depending on moisture applied and capacity of an optional dehumidification/recirculation system.

All systems can also be used 'in tandem' (as RFBD 600 above); in the first dryer the high moisture content is flash-dried off and in the second dryer dry/cool air will make sure the coated seed will be ready for packing.

** There are several standard sizes available. Your seed coating process will most likely need a customized configuration of size of seed dryer and additional air drying equipment. See also comment regarding demo/test lab Aalten above.