

NoroGard R1000 Batch Seed Treater

The NoroGard R1000 Batch Seed Treaters are designed for complex treatments to meet high demands regarding treatment quality, reliability, operator safety and economy.

The R1000 NoroGard can be equipped to meet your need for dressing, incrustation, coating and pelleting of seeds with diameter more than 2mm.

The R1000 NoroGard Batch Treater is easy operated with an automatic PLC controlled system. The integrated scale allows you to vary the size of the batch. The maximum capacity, based on wheat with a hectoliter-weight of 85kg, and mixing 15 sec per batch, is 30 ton/hour.

- The speed of rotor and spinning cup can be varied.
- The mixing time can be varied.
- The opening time of the outlet-hatch can be set.
- The pumping time for the dosing pump can be set.
- The pump-capacity can be varied.
- You can save 99 seed treatment recipes in the operating system.

Control system with manual calibration is made by pumping the treating liquid to a separate measuring glass in a closed system. When the settings and calibrations are made, the machine run continuously.

R1000 NoroGard offers options like modem for connection to NoroGard service department, connection from a computer to the R1000 via an



internet-protocol, and connection to printer to make printouts of statistics.

The treatment as well as the treaters handling of the treatment liquid, from barrel to treating, takes place in a closed system. The maximum batch size is 200 liter. You can add up to 10 separate dosage systems, make adjustments and operate from a built-in keyboard with display. All vital parts are easily accessible for cleaning and service which is a great advantage as the safety of operation is directly dependent on the maintenance.

By adding NoroGard ULD Control system to your system you get an automatic calibration of dosage rates for both liquids and powders, and a continuous control of dosage rates. You also get an even more sophisticated supervision system with a larger size touch screen.

SEED TREATMENT

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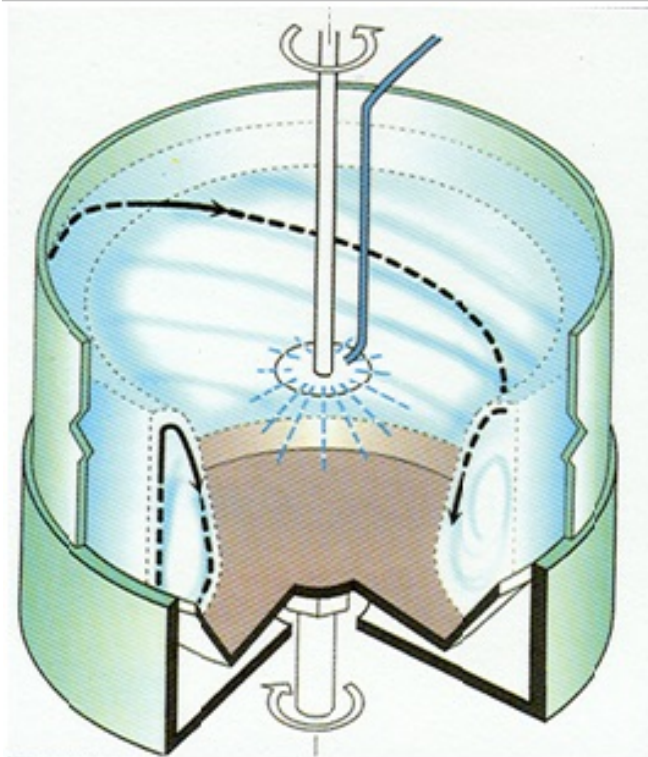
Options for NoroGard R1000.

- R1000 ULD Control system.**

An automatic calibration of dosage rates for both liquids and powders and a continuous control of dosage rates. You also get a more sophisticated supervision system with a larger size touch screen.
- Up to ten separate dosage units.
- Powder application systems.
- Air drying system, start and stop.
- Remote control box consisting of a keyboard with display and a start/stop handle. This should preferably be placed at the filling-up station.
- Printer for printing out statistics.
- Modem for location of faults and programming of the machine directly from NoroGard. Or for supervision of your seed treatment in progress.
- Pre-mixing station.

Technical specification:

Power requirement (Kw):	30	
Compressed air (l/min @5,5 bar):	100	
Air extraction (m ³ /h):	500	
Capacity (batch volume in liters):	10-200	
Dimensions (mm):		
Width:	Depth:	Height:
1100	2300	2300
Weight (kg):	1310	



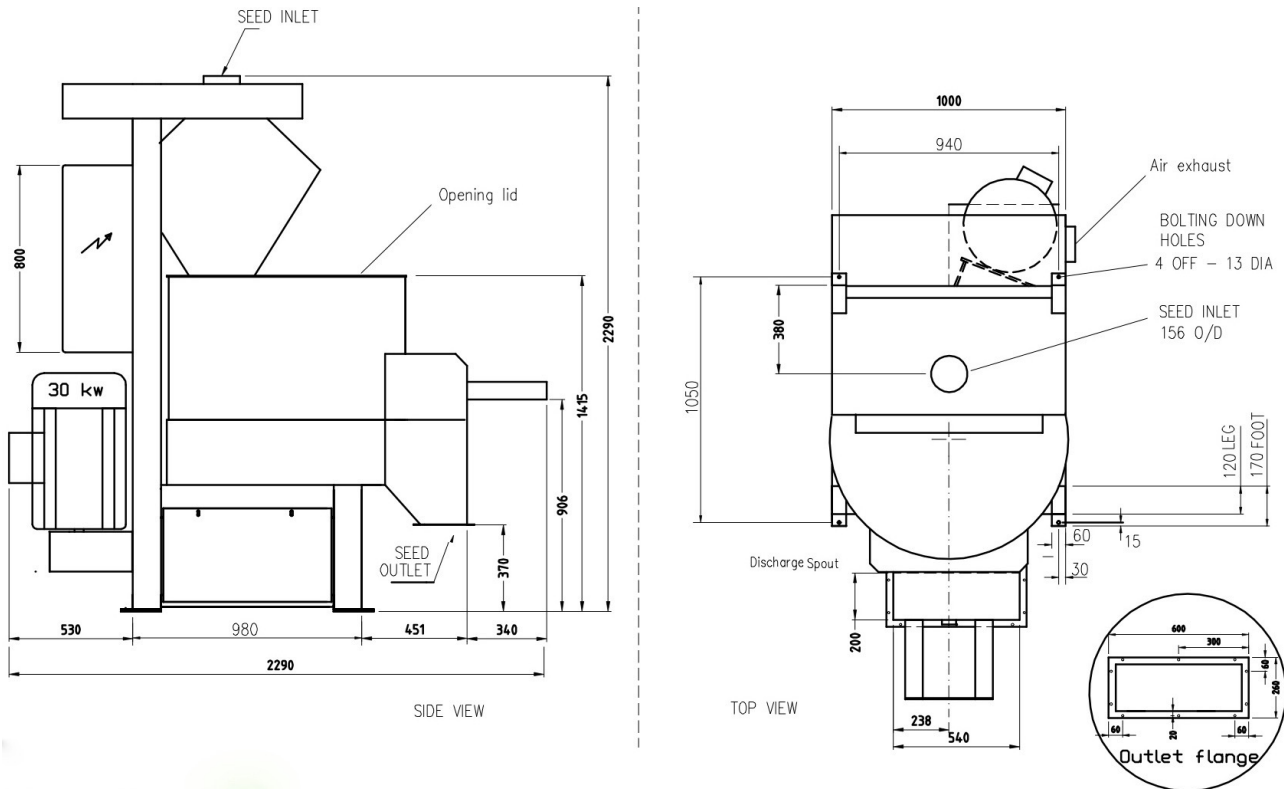
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The NoroGard Batch Seed Treater was the first on the market.

NoroGard AB has been producing high quality Seed Treatment Equipment since 1965. Jim Elsworth, UK, the inventor of Batch Seed Treaters sold his company and drawings to NoroGard in year 2005. NoroGard AB has since then continued the development of the batch treater and high quality seed treatment equipment. Now days the NoroGard Batch Seed Treater has a sophisticated control system and NoroGard Diaphragm pumps. The NoroGard pumps are made in house and specially designed to perform under tough conditions. NoroGard Diaphragm pump is outstanding in reliability and low maintenance compared to any peristaltic pump on the market. The NoroGard pumps have a pressure equalization for an even flow with less pulses, which insures high dosing accuracy. The NoroGard pumps are also reversible, easy to operate and have a long life cycle.

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