

NoroGard R1000 Twin Batch Seed Treater



Designed for complex treatments to meet high demands regarding application quality, reliability, operator safety and economy.

Equipped to meet your needs for dressing, incrustation, coating and pelleting of seeds with diameter minimum 2 mm.

Easy operated and controlled with an automatic PLC system.

CAPACITY

60 ton/hour

The integrated scale allows you to vary the size of the batch. The maximum capacity, based on wheat with a hectoliter-weight of 85 kg, and mixing 15 sec per batch, is 60 ton/hour.

NoroGard 
sophisticated seed treatment

- Speed of rotor and spinning cup can be varied
- Mixing time can be varied
- Opening time of the outlet-hatch can be set
- Pumping time for the dosing pump can be set
- Pump-capacity can be varied
- Save up to 99 seed treatment recipes in the NoroGard operating system

NoroGard R1000 Twin Batch Seed Treater



The NoroGard batch treaters are your obvious choice when you need a more complex treatment like pelleting, application of separate layers with drying in between and for small seeds like vegetable seeds.

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 runs continuously. It is also possible to get an even more sophisticated supervision system with a larger size touch screen. 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.

NoroGard R1000 Twin control system holds a GSM modem for connection to NoroGard service department and/or connection from an optional device like mobilephone, tablet or computer to supervise your operations. All internet traffic is free during warranty, then you choose between continued support or independency.

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 of seed. You can add up to 10 separate liquid dosage systems, make adjustments and operate from a touchscreen with display.

All vital parts are easily accessible for cleaning and service which makes the R1000 Twin fast up and running again after cleaning. By a simple cleaning you prevent the build-up of chemicals in the machine.

With modern complex treatments R1000 Twin will allow you to apply treatment evenly in small dosages for good economy and correct treatment of each seed.

The R1000 Twin is approved for the European CE workers safety system.

TECHNICAL SPECIFICATION

Power requirement	70 kW
Compressed air (at 5,5 bar)	200 l/min
Air extraction	1000 m3/h
Capacity (batch volume)	10-200 liters
Capacity (wheat, 15 sec mixing)	60 ton/hour
Weight	2550 kg
Width	2040 mm
Depth	1461 mm
Height	2600 mm
Warranties	Orgalime S2012



The integrated scale allows you to vary the size of the batch.



NoroGard machines are build to last for 20 years.

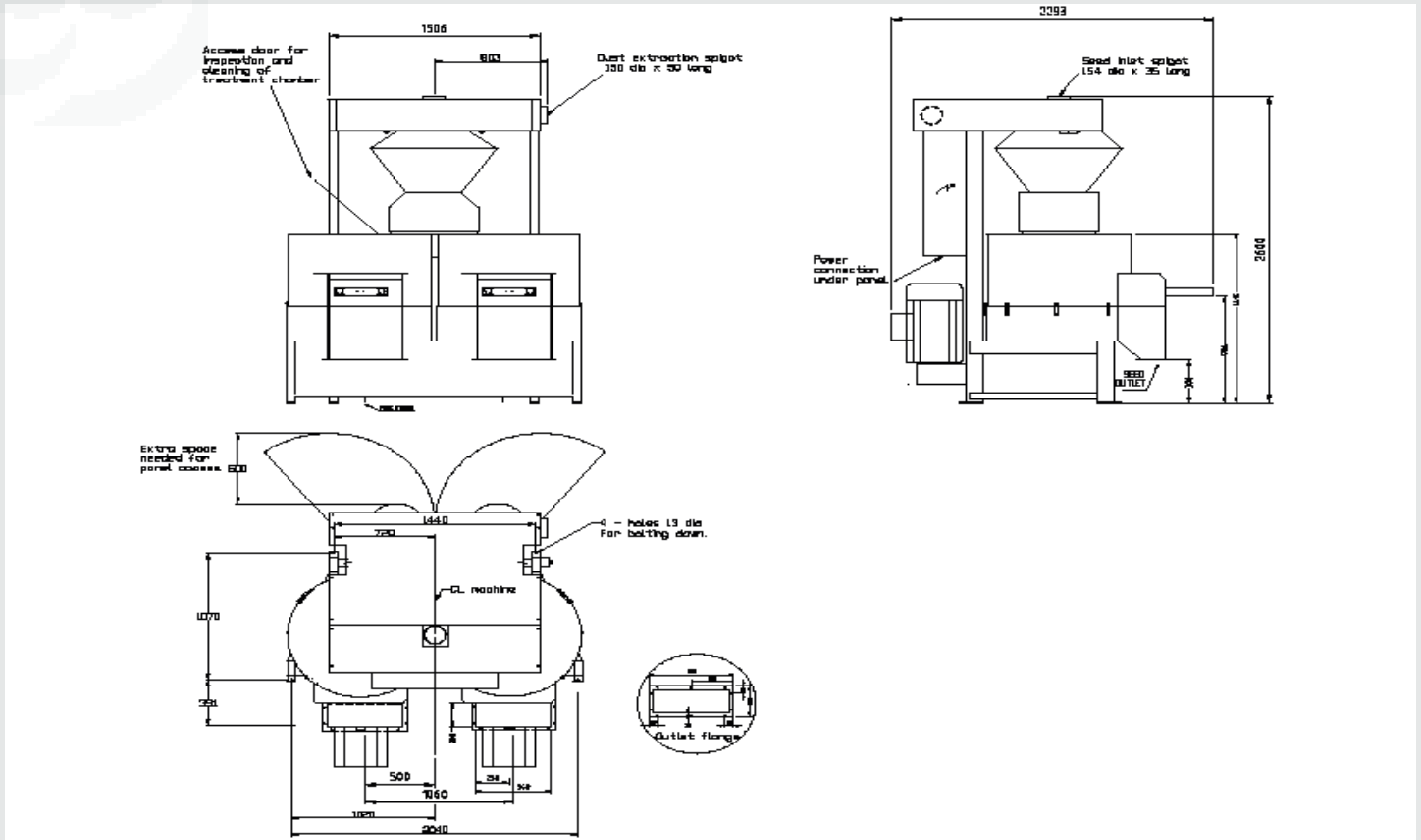
TECHNICAL SPECIFICATION

	R1000 Twin ULD
Scale	R1000 ULD Control system Size of batch can be varied
Variable speed of rotor and spinning cup	Option
Varied mixing time	Yes
Dosage	The pumping time can be set
Calibration	Automatic calibration of dosage rates for liquids.
Continuous control of dosage rates	Yes
Touch screen	15"
GSM Modem connection	Yes, connect to NoroGard service and/or remote computer /device
Statistics report	Yes
Seed treatment recipes	99
Outlet-hatch opening time	Can be set

OPTIONS

- R1000 Twin ULD, Schneider PLC controlled w. NoroGard software including recipe management and automatic calibration with continuous flow control.
- Up to ten separate dosage units.
- Powder application systems.
- Air drying systems.
- Printer for printing out statistics.
- Pre-mixing station.
- Remote control box consisting of a touchscreen with display and a start/stop handle. This should preferably be placed at the filling-up station.
- Varied speed of rotor and spinning cup

NOROGARD R 1000 TWIN BATCH SEED TREATER • MEASUREMENTS



NOROGARD

NoroGard AB is based in Sweden where we develop and have been producing high quality Seed Treatment Equipment since 1965.

The NoroGard Batch Seed Treater was the first on the market. We have since then continued the development of the batch treater and high quality seed treatment equipment.

Today the NoroGard Seed Treaters have a sophisticated control system and NoroGard Diaphragm pumps.

Personal service and customization is a keystone at NoroGard. NoroGard delivers sophisticated Seed Treaters worldwide with personal support.

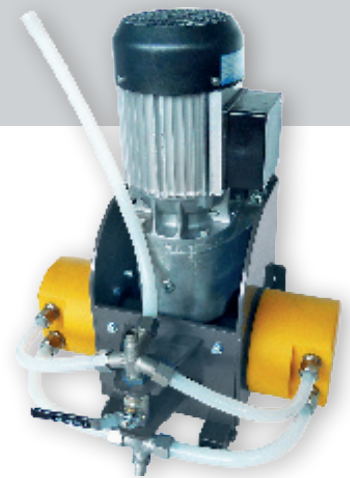
NoroGard seed treaters are built to last for twenty years, should a standstill occur in spite of this, we always keep your spareparts in stock.

OUR INNOVATIONS

The NoroGard pumps are one of our innovations developed and 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.



For more information, please contact your local sales representative.

NoroGard

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