

Cleanout of machine:

Exchange of seed batch; The parts to be cleaned are the feeder brush, seed wheel, outlet cone, liquid spreader and the mixing chamber. All parts are easy to inspect and to clean. Time < 10 minutes.

Exchange of liquid and cleaning of the dosage system;

Normally the machine is equipped with multiple dosage systems, up to four. Therefore no cleaning is necessary when changing liquid. Just activate the combination of dosage systems needed. At the end of the season or between long intervals, cleaning is done by running several dosing tests with water or cleaning liquid recommended by the seed treatment manufacturer(s).

The machines are manufactured and marketed by:

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R15-2, R20-2 Seed treater



- ◆ **A machine for treatment of cereals, corn, peas, soybeans, rape seed, cotton seed, sunflowers etc.**
- ◆ **Capacity: R15-2: 6 to 15 tons of seed/hour
R20-2: 8 to 20 tons of seed/hour**
- ◆ **Easy dosage calibration in a closed system**
- ◆ **Easy and quick cleaned**
- ◆ **Accurate dosage and application**
- ◆ **Compact and reliable construction**
- ◆ **Minimum of service required**

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Principle of operation

Seed metering wheel

The seed is fed through an intake to the seed metering wheel. The wheel is made up of (10) precisely formed compartments to measure the volume of the seed. A brush mechanism ensures that each pocket is completely filled. A continuous counter monitors the number of compartments that deliver seed to the chemical mixing chamber for an exact measurement of volume seed flowing through the machine. The capacity in tonnes/hour is easily calculated by the seeds weight per hecto-litre. This is a reliable and the most economical means to measure the seed input.

Application zone

From the metering wheel, the seed is fed via a collecting funnel down to a rotating cone. The cone divides the seed flow into an even, rotating curtain. Under the rotating cone the spinning cup is atomising the treating liquid into a mist. The rotating curtain of seed passes through the mist of treating liquid(-s). This creates an even, accurate application on the total surface of the seed.



Secondary mixing

After the application the seed enters the blending chamber. This tube consist of two parts; for transport and mixing. This construction completes the treatment cycle without damaging to the seed. The mixing tube can be rotated through 360 degrees.



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Dosing and security system



2 dosing systems

Dosage system

The machine can be equipped with up to 4 separate dosage systems. The systems can be used separately or 2 or more at the same time. Each system has a capacity of 100 – 1.000 ml/100 kilo seed.

Calibration

Calibration and/or checking of the dosing rate is done in the closed system without sacrificing seed or treating liquid from the machine with complete operator safety.

Transport-pump

Each dosing system includes a transport-pump. This pump should be placed by the liquid-container for transportation of the treating-liquid up to the machine.



Supervision and security system

The machine is equipped with sensors which monitor the flow of seed and treating liquid. When the seed flow to the inlet is interrupted, the machine stops and will restart automatically when the seed flow returns. When there is insufficient treating liquid in the chemical reservoir to ensure an accurate dosage, the machine stops. The machine is approved for the rigorous European CE worker's safety standard.