

## Agrosaw R3 Seed treater



A machine for the treatment of cereals, corn, peas, soybeans, rapeseed, cottonseed, sunflowers etc.

### Dosage and security system

#### Dosage System

The R3 machine is equipped with dosage systems. The standard system can handle rates from 100 to 600 ml/100-kg seeds.

#### Supervision & security system

The R3 is equipped with sensors that monitor the flow of seed and treating liquid. When the flow of seed is interrupted, the machine stops and restarts automatically when the flow returns. When there is not enough liquid in the dosage reservoir, the machine stops till refill.

#### Calibration

Calibration for the dosing rate takes place in a closed system without passing seed or treating liquid into the machine.

### Principle of operation

#### Seed metering wheel

The seed is fed through an intake to the seed metering- wheel. The wheel measures the volume of the seed by filling 8 pockets. The attached brush ensures that each pocket is filled. A timer keeps control of the number of pockets being filled in a period. This system ensures an exact measurement of the volume of seeds fed into the machine using the hectoliter weight.

#### Application zone

From the metering wheels, 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 spreads the treating liquid into a mist. The rotating curtain of seed passes through the mist of treating liquid. This creates an even application on the total surface of the seed.

#### Secondary mixing

After the application, the seed enters the mixing tube. The tube consists of two parts: a transport part and a mixing part. This construction completes the treatment without damaging the seed.

### TECHNICAL SPECIFICATIONS

CAPACITY	POWER REQUIREMENT	DOSING RATE	DIMENSIONS
2-3 TPH	1.5 KW	100-600 ml/100 Kg	1410*690*1000 mm

Note: Capacities may vary depending on seed condition, moisture content, seed varieties, type & volumes of contaminants to be separated & the percentage of foreign material acceptable in the final product. Capacity also vary depending on product flow through the cleaner.

\*Capacity based on wheat

### Features

- Easy dosage calibration in a closed system
- Easy and quick cleaning
- Accurate application of treating liquid or powder.
- Compact and reliable construction
- It has a reliable system to measure the volume of seed input.

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