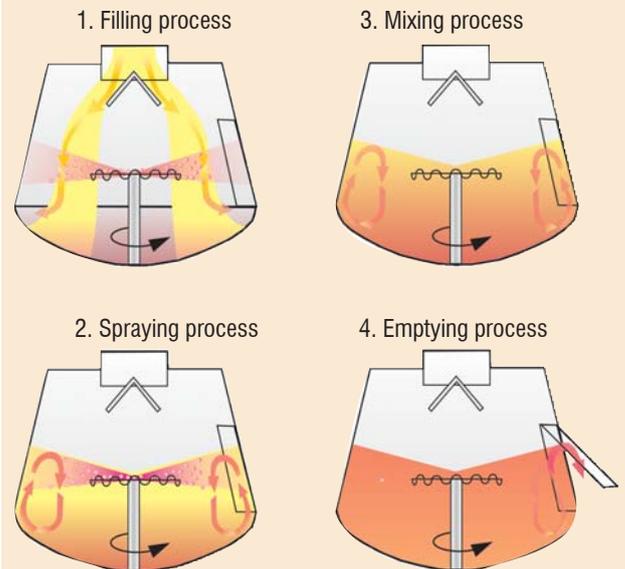




Batch treating process flow



The **PETKUS Batch Chemical Seed Treater CT 50** functions on the Rotor-Stator-Principle. The special development of the rotor and the stator ensures the complete and even coating of the grain surface at a high flow rate. The heavy duty stainless steel walls of the mixing cylinder allow for safe continuous use in large scale grain plants, even at 10,000 tons per season. The double curtain of seed formed by the dished boiler rotor and the conical stator enable an effective primary distribution of the liquid to the seed.

Description of chemical treating process:

The seed batch is weighed simultaneous to the treating process. The seed enters the batch treater centrally as a curtain and, at this point the treating agent can already be distributed as a fine mist onto the seed.

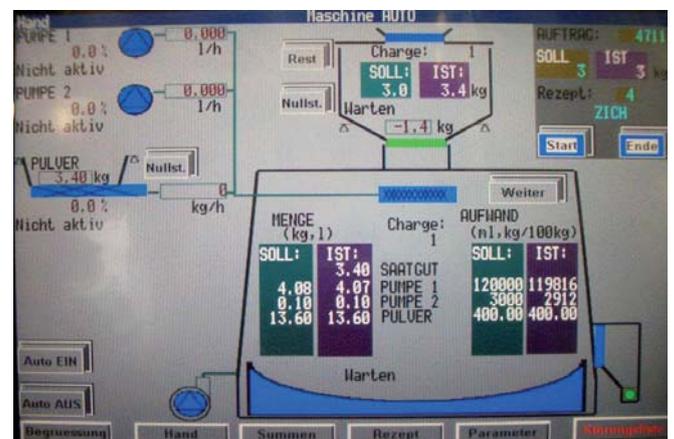
The chemical agent is dosed by a metering pump and sprayed with the high speed rotating spraying disc on the seed. During the mixing process, the seed is moved up the walls in an outer curtain and due to the conical shape of the stator, the seed reaches a smaller diameter and falls back to the rotor as the inner curtain. An effective mixture is reached without seed damaging baffles.

Dust is extracted from the seed in all process stages by the central cone. At the end of the process, the seed is emptied by an electro-pneumatic flap into the outlet.

All process stage times can be selected freely. Stored programs allow the common formulas to be reproduced quickly and with high repeating accuracy in the integrated PLC.

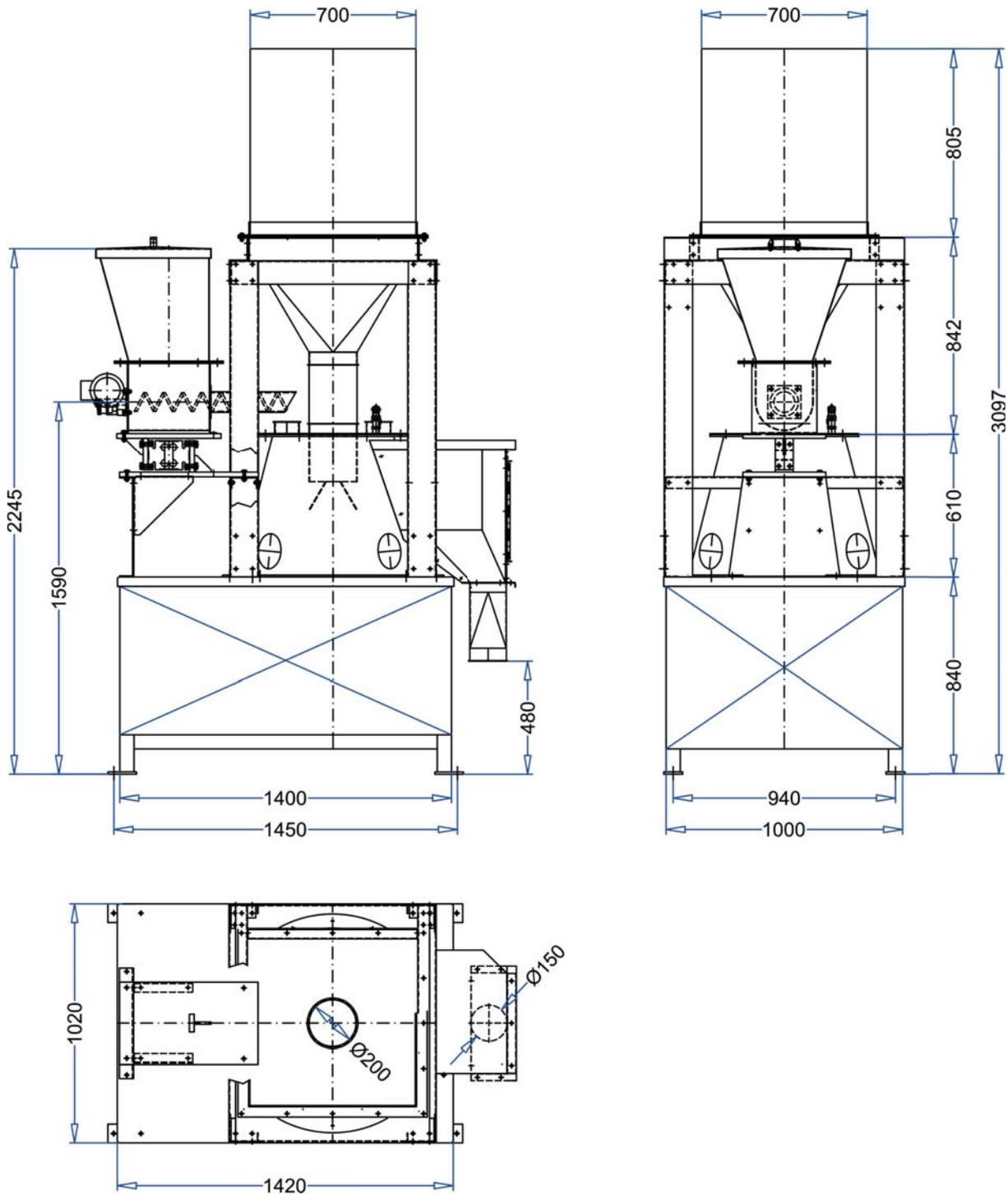
Features:

- Absolutely even and complete covering of the seed surface,
- High flow rate,
- Precise, gravimetric dosage of the seed,
- Precise, gravimetric dosage of the chemical,
- Documentation of the process data,
- Double curtain effect,
- Gentle to the seeds,
- Self-cleaning,
- Self-emptying,
- Fully-automatic system,
- Programmable system.



Display of automatically process

Batch Chemical Seed Treater Type CT 50



Technical Data		CT 50
Capacity (based on wheat seed)	t/h	up to 10
Quantity/Batch	kg	25-50
Cycletime/Batch	s	normal 15
Motor rotor and Simpeller disc	kW	7,5
Motor fan	kW	0,55
Gear motor metering pump SP15	kW	0,37/0,55

Technical Alteration reserved.