



Centricoater CC50

The CC50 is a fully automatic operated CENTRICOATER, for installing within a seed-line. The operator sets all necessary parameters on the display, eg. weight, speed of drives, timing of dosing the slurries, ect. . After starting the CENTRICOATER, the seed is measured by an built-in scale, using electronic load cells. Filling of the pre-scaled seed into the mixing chamber is done automatically. The dosing of the different slurries is done according to the setup of the operator. A PLC controls the heart of the process, the coating of the seed. This guarantees the same and reproduce-able conditions and quality for each batch.

The whole machine is ready prepared for operation, only the main power supply must be connected, and connecting the compressed air supply must be done. A spout for connecting the existing aspirating system is also prepared on the CC50, the aspirating system must be provided locally. The dosing lines for the slurries must be connected by means of flexible hoses with the chemical tank.

Standard components (for liquid coating):

- self-supporting all-steel construction, consisting of
 - * scale with electronic loadcells, accuracy ± 0.25 % referred to max. weight
 - * mixing chamber using the CENTRICOATER-principle
 - * with the dosing systems described below
- electric switchboard on main frame, ready completed, consisting of
 - * the input device for setting the parameters for weighing and coating
 - * the PLC for controlling the coating process
 - * the controller for the scale
 - * incl. fuses, circuit breakers, motor protection switches, etc.
 - * possibility for connecting an external level indicator for the scale's pre-bin and silo below
 - * possibility for external connection to a sample-taker
 - * possible to add future upgrades
 - * analoge modem for remote maintenance

Recipes:

- Capacity 6,0 .. 9,0 t/h wheat
- with 20 .. 30 seconds / batch
- dosing of the slurry within 5 .. 15 s
- mixing of the seed within 5 .. 10 s
- discharge of the seed within 5 .. 10 s

values and capacities can differ depending on type of seed and quantity of slurry

Data:

Mixing chamber:	max. 50 kg, referred to wheat
Scale:	Feeding with big and fine flow flaps, using electronic loadcells, beltfeeder optional
Liquid dosing:	available with glass cylinders, pumps and flowmeter- and massmeter-systems
Powder feeders:	optional equipment
Power supply:	3/N/PE, 400V, 50Hz, min. 25A
Pneumatic:	2,0 Nm ³ /h, 6 bar
Aspiration:	300 m ³ / h @ $\Delta p=1,5kPa$
Painting :	RAL 3002 Red

