PROCESSING

CENTRICOATER
CC10/20 - S

GENERAL

Brand	Cimbria
Designation	Centricoater
Model	CC10/20 - S
Use	Industry

The CC10/20-S is based on a fully automatic CC10/20 using a CC10/20 mixing drum. All slurry and powder dosing lines according pricelist can be added. The seed can (optionally) be measured by a built-in scale using electronic loadcells, the indication of the weight is done by an HBM - display. Filling of the pre-scaled seed into the mixing drum is done automatically. The coated seed is bagged manually after the coating process, and the bag removal and sewing is also done manually. A small PLC controls the heart of the process i.e. the coating of the seed. This guarantees reproduce-able conditions and quality for each batch.
The whole machine is ready-prepared for operation, only the main power supply must be plugged in, and connection of the pneumatic air supply. A spout for connecting the existing aspirating system is also prepared on the CC10/20-S, the aspirating system must be provided locally. The slurry dosing lines will be connected with the pump by means of flexible hoses.

Operation:
The operator of the CC10/20-S will manually pre-scale the necessary amount of seed, either using an external weighing platform, or the (optional) built-in scale. This seed is filled manually into the small hopper on top of of the CC10/20-S. A bag for the coated seed must be fixed at the discharge of the mixing drum.
After preparing the Centricoater, the operator starts the coating process by pushing the start button. The seed is emptied automatically into the mixing drum, the slurries are injected, powders are added, the seed is mixed and emptied into the prepared bag. After removing the coated seed, a new batch can be added. Several safety features are included using the PLC, eg. preventing adding new seed during running coating operation or starting coating operation without a prepared bag at the discharge.
It is recommended to operate this machine with minimum two persons. One person prepares the seed, the second person removes the coated seed and fixes a new bag at the discharge to start the process again. This makes it possible to keep a capacity of approximately 40 .. 60 batches per hour.

Technical data	
Mixing drum	
Mixing drum size	10 kg
(Reffered to wheat)	25 kg
Recipes: (values can differ depending on type of seed and quantity of slurry)	
Dosing of slurries within	5 .. 15 s
Mixing after dosing within	5 .. 10 s
Discharging seed within	5 .. 10 s
Power supply: (standard)	
Main power supply (5 m cord with plug)	3/N/PE 400V 50 Hz min. 16A
Air volume	
Air requirement	300 m³/h @ΔP 1.5 kPa
Pneumatic	
Requirement	2 Nm³/h, 6 bar nom.
Dimensions	
Length	1 600 mm
Width	1 300 mm
Height	2 200 mm
Total weight	
Net	500 kg

Technical data can vary for certain of the above due to continued development or a different machine composition.

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