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SYNMEC

5BY- 10B SEED COATING MACHINE

Reliable seed coating solution for you

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SYNMEC

The world top Manufacturer for Grain Cleaning Solutions
Adviser for Seed Processing

5BY-10B Seed Coating Machine



Parameter reference:

Model	5BY-10B
Capacity	10000 kg/hour
Qualified coating rate	≥99%
Seed damage rate	≤0.1%
Power	4.09 KW
Dimension (L*W*H)	2230×1040×3080 mm
Weight	1100 kg

Application:

The 5BY-10B Seed Coating Machine is mainly used for seed processing. It has wide application in coating seed of various crops, such as seed of wheat, barley, maize, sorghum, soybeans, cotton, vegetable seed, fruit seed and so on.

It has the optimal design, and is very famous in international market. It has many advanced designs such as use the high-speed centrifugal rotational disk for liquid medicine atomization, and use soft auger for mixing. It has many advantages such as compact size, easy for operation, low failure, reliable, easy to clean-up, accurate coating medicine injection, make uniform film of coating medicine and widely application.

5BY-10B Seed Coating Machine construction:



Centri disc motor 0.55KW



Feeding motor 0.75KW



Soft auger motor 1.5KW

Chemical tank motor 0.37KW



Dosing pump 0.55KW

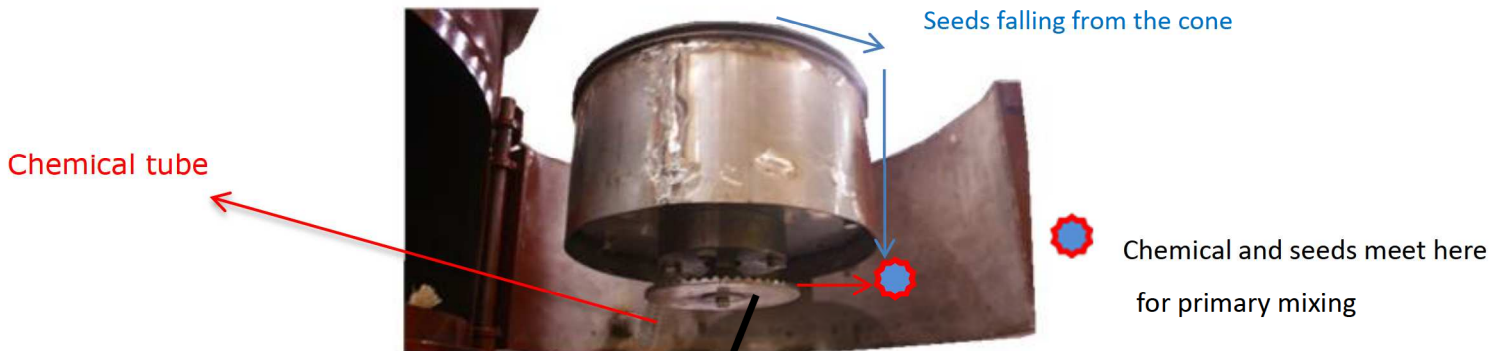
Brush motor 0.37KW

Inverter control the soft auger rotation speed

The 5BY-10B Seed Coating Machine has two times mixing system

The Primary Mixing System:

The Seeds will drop into the into cylinder even through feeding bucket, at the same time quantitative medicine will be atomized by the high speed centrifugal rotary disk and adhere to the surface of seeds.



Chemical rotary disk

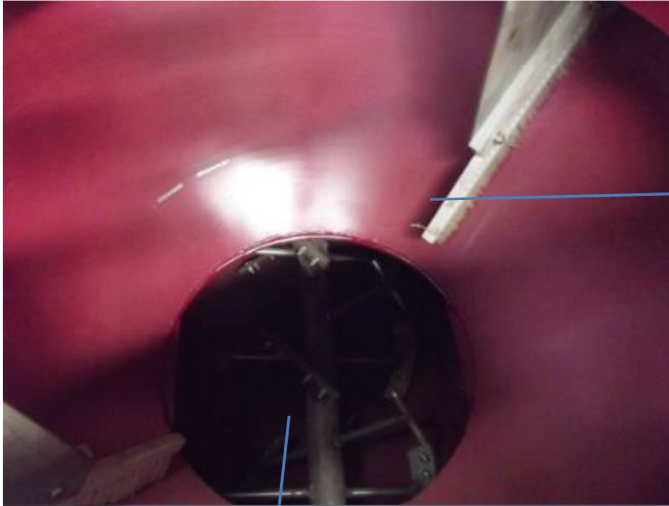
Its wave edges, when it rotates at high speed, the chemical liquid will be threw out and atomized by the centrifugal force. After atomization, the chemical is much fine and increase the coating uniformity.

The Secondary Mixing System:

The seeds will be chemical will be completely mixed in the stainless steel cylinder. There is soft auger inside. PVC fan and small cylindrical steel tube design provide near zero seed damage rate and ensures seeds' high germination percentage.



Details of 5BY-10B Seed Coating Machine



Soft auger in secondary Mixing Cylinder



Brush

It is used for remove the sticky liquid chemical from the sides of primary mixing tank.



Mobile stainless steel chemical tank (304)

The tank is fully made of 304 type stainless steel. It is durable, and easy to clean. There are two scraper blades in bottom for chemical liquid mixing.



Switch

High quality switches with high accurate adjustment for liquid medicine.

Chemical tube

Transparent tube is easy to watch the chemical liquid.

We offer soft and durable tube.





Dosing pump & motor
Pressure: 0.5Mpa
Power: 0.55Kw



Dosing pump control chemical amount precisely

Customized Seed Coating Machine Available

Customized 5BY-10B Seed Coating Machine for Uruguay Customer



Client's coating chemical consists 4 types different chemicals.

We made 4 units separately small stainless steel tanks contain 4 types chemical.

Then the 4 different chemicals will be mixed in one big stainless steel tank.

Each tank has single dosing pump for accurately control chemical amount.



5BY-10B Seed Coating Machine overview



Seed coating effect:



We are the best choice for you!

Factory view



We have professional manufacturing equipment!

Drilling and milling machine	CNC lathe	Laser cutting machine
		
Plasma cutting machine	Bending machine	Shearing machine
		

Welcome clients worldwide!



Healthy Grain, Pretty Beans, Strong Seed. SYNMEC

We serve for



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