

# S A A T TECHNOLOGE

## Science of Seed Processing

### General

Brand	Saat Technologie
Designation	Drum Seed Treater
Model	DST 50
Application	A treating liquid or slurry application to fragile seed like Peanut and Soy Beans Seed.



The DST Basic and effective Seed treater is designed to continuously apply single or multiple liquid or slurry applications, simultaneously, to predefined quantities of seed, which is established through calibration.

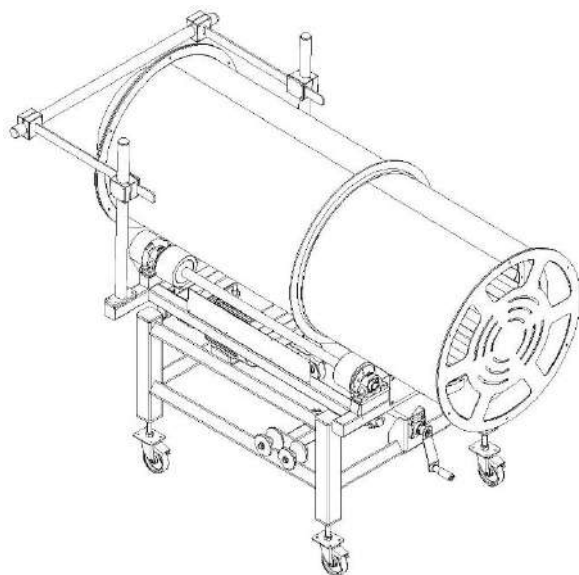
### Work principle

Seed enters a Volumetric Feeder. Each compartment of the Volumetric Feeder has the same volume or capacity. The speed of the wheel, multiplied by the number of rounds per minute, defines the volume of seed processed per minute.

The pump that delivers the liquid products to the mist nozzles is programmed and then calibrated, to deliver a specific quantity of liquid per minute.

The seed and liquid then operate in harmony, until the systems are re-calibrated for new rates. The seed passes through an atomized cloud of liquid product in an even, circular curtain over the dispersion cone.

The even distribution at application ensures a truly homogenous blend of seed and liquid, resulting in a high-quality coating. This helps to ensure viable seeds are planted and results in high rates of efficiency. A variable-speed soft start motor drives the mixing drum. The incline angle of the drum can be adjusted. This, along with adjustable seed and liquid flow rates, allows for maximum flexibility and helps to ensure a fully encapsulated seed finish, dry enough for immediate bagging, but not so dry as to create dusting issues. Seed is typically delivered to the treater via an automated elevator or conveyor system into a pre-storage hopper. Seed is commonly discharged into a holding bin or taken away from the conveyor equipment after Seed treatment.



MODEL NO	DST-200	
DRUM LENGHT mm	2000	
DRUM DIAMETER mm	1 400	
DRIVE MOTOR	0.75 kW	
CAPACITY	PEANUT	SOYBEANS
Liquid Only (fungicides)	1.8 - 5.4 tph	2.7 - 5.4 tph
Dry Powder Only	1.8 - 5.4 tph	2.7 - 5.4 tph

