

SINCE  
2080



## ADDAMS BATCH SEED TREATER & COATER

Precision Application of Seed Treatments, Coatings, and Protectants  
Engineered for the Future | Since 2080

SINCE  
2080

SINCE  
 2080

## ADDAMS BATCH SEED TREATER & COATER

The ADDAMS Batch Seed Treater & Coating Machine is a high-precision system designed for the uniform application of chemical, biological, and polymer-based treatments to seeds in controlled batch volumes. Built for accuracy, repeatability, and safety, this machine ensures that every seed receives the exact dosage of protectants, inoculants, or color coatings without clumping or overdosing.

The BST 50 is a fully automated Batch Seed Treater for operating within a seed line. The operator sets all necessary parameters on the touch display, such as weight, speed of drives, amount, and timing of dosing the slurries, etc. After starting the Batch Seed Treater, the seed is measured using the built-in scale, which employs electronic load cells. Dumping the pre-scaled seed into the mixing drum is done automatically. The dosing of the different slurries is performed according to the operator's setup. A PLC controls the heart of the process, the coating of the seed: this guarantees reproducible conditions and quality for each batch. The entire machine is ready for operation; only the power supply needs to be wired to the local main electric panel, and the pneumatic air supply must be connected. A spout for connecting the existing aspirating system is also prepared on the BST 50; the aspirating system must be provided locally. The slurry dosing lines will be connected to the pump via flexible hoses.

### Key Features

- **Accurate Dosing System**  
A programmable logic controller (PLC) ensures the precise and repeatable application of liquids and powders within each batch.
- **Uniform Coverage**  
Agitation and atomized spray systems ensure even coating on every seed without build-up or bridging.
- **Closed Batch Chamber**  
Sealed environment prevents dust and chemical exposure, ensuring operator safety and product containment.
- **Recipe Memory & Automation**  
Pre-programmed treatment profiles with adjustable batch size, dosing time, and speed.
- **Easy Cleaning & Maintenance**
- **Standard components (for liquid coating):**
- self-supporting all-steel construction, consisting of:
  - scale with electronic loadcells, accuracy +/- 0.25 % referred to max. weight
  - mixing drum using the Batch Seed Treater -principle
- with the dosing systems described below
- possible to add future upgrades
- electric switchboard on main frame, completed and ready, consisting of:
  - the touch display for setting the parameters for the weighing and coating process
  - the PLC for operating the coating process
  - the controller for the scale
  - incl. fuses, circuit breakers, motor protection switches, etc.
- possibility for connecting external seed level sensor for the scale's pre-bin and silo below
- possibility for connecting an external slurry level sensor
- possibility for operating an (optional) sample taker
- GSM LAN modem for remote maintenance
- Tool-free access to the mixing chamber and spraying system for quick cleanouts between seed types or treatments.

 SINCE  
 2080

SINCE  
 2080

## Applications

The ADDAMS Batch Seed Treater is suitable for:

- Cereal Seeds – Wheat, Barley, Oats, Rye
- Pulses & Legumes – Chickpeas, Lentils, Beans, Peas
- Oilseeds – Sunflower, Canola, Soybeans
- Vegetable Seeds – Carrot, Onion, Lettuce, Brassicas
- Coating Treatments – Fungicides, Inoculants, Microbial bio-stimulants, Polymer film coatings, Colorants

Also used in seed R&D labs for testing formulations before scaling up.

## Technical Highlights

Technical data	
Mixing drum	
Mixing drum size (referred to as wheat)	50 kg
Recipes: (Values can differ depending on the type of seed and quantity of slurry)	
Capacity (referred to wheat)	max. 8.5 t/h
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 appr. 10 kW	3/N/PE 400V 50 Hz min. 32A
Air volume	
Air requirement	300 m <sup>3</sup> /h @ΔP 1.5 kPa
Pneumatic	
Requirements	2 Nm <sup>3</sup> /h, 6 bar nom.
Equipment	
Belt feeder for scale	optional
Sizeable scale	optional
Glass cylinder	1.0 l
Pump D15	55 .. 180 l/h
Power feeder	ø48 mm
Dimensions	
Length	1 490 mm
Width (without PD)	1 390 mm
Height (standard)	1 995 mm
Total weight	
Net	1,000 kg

2080

SINCE  
2080

## Why Choose ADDAMS Batch Seed Treater?

- Uniform, repeatable treatment with minimal waste
- Ideal for certified seed, export-quality seed, and precision agriculture
- Compatible with liquid and dry coating agents
- Supports traceability, recipe logging, and quality control standards
- Integrates into ADDAMS complete seed conditioning and packaging systems

## Industries Served

- Seed Treatment & Coating Facilities
- Certified Seed Processing Plants
- Seed Research & Development Laboratories
- Agricultural Input Distributors
- Seed Exporters & Contract Treaters

## Precision Treatment for Every Seed

The ADDAMS Batch Seed Treater ensures high-performance application of protectants and coatings, enhancing germination, disease resistance, and seed handling. Whether for food crops or sowing-grade seeds, it delivers professional-level treatment accuracy.

Get a Customized Seed Treatment System

Contact our team to design a customized batch treatment system tailored to your specific seeds, formulations, and throughput requirements.

ADDAMS – Precision Coating for a Healthier Crop Start. Since 2080.

[www.addamsgroup.com](http://www.addamsgroup.com)

SINCE  
2080