



GTS Series High Output Seed Treating Systems

GTS 10 Standard



GTS 10A System



*Drum guards removed for photo purposes.

GTS 10 and GTS 20 Series

The GTS 10 and 20 series machines are designed for today's high volume treatment requirements where accuracy of treatment application is critical. The GTS systems come in both standard and automated configurations.

All GTS systems offer the following features:

- High flow application chambers.
- High speed application atomizers heads.
- Quick release chamber body.
- High volume variable speed drive peristaltic pump systems for accurate application of seed treatment materials.
- Low seed in-feed sensor.
- Variable pitch coating drum.
- GTS 10 units will process approximately 1000 bushels of soybean/corn product per hour.
- GTS 20 units will process approximately 2000 bushels of soybean/corn product per hour.

GTS 10/20A SYSTEMS

The GTS-A (Automation) systems are based on the standard GTS units augmented with variable speed power feed seed wheel assemblies, and a complete automation package featuring PLC driven computer systems and operator touch screen interfaces. When coupled with the weight and loss tank options available with the GTS-A systems, the automation system offers automatic batch configuring and electronic flow control matching. This system allows the GTS-A operator to see a real-time readout of system performance in both alpha numeric mode and a full real-time graphing mode of the systems application performance.

The performance of the systems application parameters are updated constantly and displayed on the interface screen. The operator can fine tune application parameters on the fly and see the changes displayed immediately on the screen.

GTS Series High Output Seed Treating Systems



GTS-A Operator Interface

As part of the automation package the Operator interface offers the customer complete access to all machine functions. These functions include:

- System motor controls
- All pump functions including priming and calibration.
- System math computing automation for setting up batch parameters.
- Application recording and following in both alpha numeric and graphing modes.
- Specialized timing functions for pumping and seed wheel performance optimization
- Operator security page for “operator only” access to sensitive program options.
- Alarm functions that monitor critical system parameters and automatically shut down the system if necessary or visually warn the operator if the system needs attention.
- Weight and loss electronic flow control management system. (Available only with GTS-A weight and loss tank system).

GTS-A Weight and Loss Tank System

The weight and loss Tank System is available in both 30 gallon poly and 27 gallon stainless steel tank versions. The weight and loss system is required with the automation package. Both tanks are also available as standard tanks, without the load cells, when used with the GTS standard system (without automation). All tanks come standard with integrated mixing units, and all required plumbing fittings.



In the weight and loss configuration when used with the interface the tank can be refilled at any time without affecting the flow control management system. The computer will instantly recalibrate the system and continue all monitoring functions without any operator input.

GTS-A Power Feed Seed Wheel



The Seed wheel is offered as part of the automation package. The seed wheel features a segmented wheel with 16 pockets of identical volume. The wheel is driven by a 1 Hp 90 volt PMDC motor that is monitored with an encoder interfaced with the PLC in the main control panel.