

KSi AutoTreat V3.2 Start to Finish

1. Device Setup

- a. Conveyors
- b. Scale
- c. Treater
- d. Pumps

2. Seed Source Setup

- a. From KSi AutoData
 - i. Setup Seed Information
 - 1. Supplier (not required)
 - 2. Seed Kind (not required)
 - 3. Seed Variety (required)
 - 4. Seed Lot (required)
 - ii. Setup Seed Source
- b. From Touch Screen
 - i. Setup Bin Parameters
 - 1. Capacity; Bin Fill Amount; Seed ID; Lot ID; seed cal weight (not required if AB only)

3. Customer Setup

- a. From KSi AutoData
 - i. Add customers individually by completing the new customer form for each customer
 - ii. Import customers in bulk by following the import wizard on the AutoData application
- b. From Touch Screen
 - i. Add customers individually from touch screen by completing Manage Customer form and selecting Save As, which saves that customer back to the database

4. Setup Treatment Information

- a. From KSi AutoData
 - i. Recipe
 - ii. Treatment Item
- b. From Touch Screen
 - i. Add recipes and treatment items from touch screen by using the Manage Recipe form and then selecting Save As, which saves that recipe and treatment items back to the database

5. Setup Pick Up Orders

- a. These are orders entered in advance and can be called up from the touch screen at a later date
 - i. This step is optional as these orders can be entered on the fly from the touch screen

6. Run AutoSet for each bin

- a. Sets Preact and Discharge Rate

7. Pump Setup

- a. Pump and Flow Meter Calibration
 - i. 180 sec run, twice a day
- b. Pump and LIW Calibration
 - i. Once for every new type of chemical or slurry

8. Setup Order

- a. Load Order from Database
 - i. Load order either with Pick Up Order Number or Pick Up Order Name
 - 1. This populates all the order information including:
 - a. Customer Information
 - b. Seed Information
 - c. Treatment Information
 - 2. The order can then be edited from the Touch Screen as needed and saved back to the Database
- b. Create new order from Touch Screen
 - i. Select Customer
 - ii. Select Tank and Seed Amount
 - iii. Select Recipe
 - iv. Save the Order back to the Database

9. Run Job

- a. Start Job (Master Start)
- b. Enable Bin
 - i. Scale fill conveyors will start and bin gate will open
 - ii. Scale will fill to desired weigh
 - iii. The scale fill conveyors will turn off
 - iv. Treater fill conveyor will start and scale gate will open to move seed to treater inlet hopper
 - v. Once the seed reaches the treater inlet high level, the scale gate will close and the treater fill conveyors will turn off
- c. Begin Treating
 - i. Discharge conveyor and treater drum will turn on
 - ii. Once drum has reached speed the seed wheel will turn on and the system will begin treating
 - iii. The treater fill conveyor will turn on and the scale gate will open to keep the treater inlet hopper full
 - 1. It is best to set the manual scale control chute so that the scale discharge rate closely matches your treating rate to minimize conveyor cycling on and off

- d. Continue Treating
 - i. Once the scale is empty and the treater inlet low level no longer senses seed the treater will go into cleanout mode
 - ii. When the next batch is ready to treat, the treater will start back up and continue treating
- e. Job Complete
 - i. Once the last batch for the job has been treated, the treater will begin to clean out for the final time
 - 1. Drum will shut down and then run in reverse for a preset amount of time
 - 2. The load out conveyors will run for a preset amount of time and then shutdown (assuming Auto Discharge is enabled)
- f. Return home and print ticket
 - i. Ticket is printed and Job is recorded to database
- g. For next order, repeat steps 8-9

10. View Past Transactions from KSi AutoData

- a. View Pick Up Transaction Report in KSi AutoData