

Included	DESCRIPTION
PlantStar Job Scheduler	Allows customers to schedule jobs through PlantStar utilizing the drag and drop scheduler. Customers can also schedule jobs through their ERP/MRP system and PlantStar can integrate to their ERP systems. This allows shop floor personell to get a live look at the current schedule.
Live Job Summary	Real-time look on KPI's on every machine. You have the ability to quickly select any machine or a group of machines. Provides information on the current running job, sub jobs, product images, required date/time, estimated time remaining, standard cycle time, average cycle time, OEE, and parts information for the current job and shift.
Live Machine Status	Provides a real-time (dashbord) view of all machines and a breakdown of OEE, parts per hour, good parts, rejected %, and shift data. Color codes are used on every machine and can flash when a machine is Down, Idle, high rejects, in assit, has a process exception etc. These can trigger email/text alerts to certain employees.
Live Production Summary Reporting	Live reporting for a specific machine or ALL machines which can be exported. This report shows machine, job, product, tools and live data of # of good parts made, # of good parts per hour, Overall Performance, # of parts remaining, reject %, average cycle time and standard cycle time.
Production Events	This allows you to filter all production events that have occurred. Events can be filtered by type, machine, job event reason, rejects, downtime, assists, etc. All data selected will be automatically filtered and can be exported.
Scrap/Reject Reporting	Shows real-time number of rejected parts per job, both for the shift and total for the job, as well as the number of rejected parts for any Subjobs. The Reasons Chart will automatically provide the top 5 rejeas for the job and shift in a pie chart. The reasons table will provide a list view with all reject reason codes, % of rejects and total # of rejects.
Downtime Reporting	Provides downtime for the job and for the shift. Reason History edit provides you with showing all logged downtime by reason. The reasons chart will autometrically place the top 5 down reasons for the job and the shift on a pie chart. You have the ability to create force downs, auto up, auto scrap and should ignore cycles.
Email & Text Alerts	This feature is included with the system. PlantStar can provide email and/or text alerts for a wide variety of production/process exceptions that can alert a certain or group of personnel.
Job Setup Sheets (Part Process Standards)	Videos can be added from YouTube or anywhere on the internet, as well as locally on your own network. You have full control. Embed documents and Images can also be added within the PlantStar job setup sheets.
Job Shift Summary Reporting	Shift by shift data for any particular job. Simply choose a machine from the drop down and select a particular job. All data is immediately provided for the job and for the shift. Total parts made, total rejected parts, reject %, OEE Performance, Up time, Average cycle time, etc.
Production Dashboard	PlantStar provides you the ability to create and customize your Production Event dashboard. Create your charts and select which charts you want shown on the Production Dashboard.
OEE Tracking	OEE tracking has many different functions within the system. The machine status will show real-time OEE by machine. Reporting can show OEE by machine, shift, job, etc.
Unlimited User Licenses	PlantStar provides an unlimited amount of user licenses for their system.
Net Parts Counting	Allows PlantStar to receive information on good parts that are confirmed finished goods. A signal is used everytime a carton is complete and PlantStar logs the number of units. PlantStar can provide push buttons or interface with printers.
Operator Check in/out	Simple operator check in/out procedures. Can check into a single machines or a group of machines. Administrators and Supervisors can view all Operator checkin/checkout periods and utilize as an time & attendance record.
Additional Features	DESCRIPTION
Operator Action Security	Provides the ability to track and control every action taken by PlantStar users and operators. All operator actions and system configuration changes are logged and can be identified with the associated PlantStar user. User authentication can be associated with a user log in or badge scan.
Tool Life Tracking	Tracks the time and number of cycles that an individual tool was used. Includes access to Tool Maintenance where life cycle information can be reviewed and maintenance can be tracked.
Labor Tracking	Provides the ability to collect and report labor hours by machine, job, shift or employee. Operator and support time is tracked by logging in and out of HMI. Job history labor reports can be used to forecast staffing requirements on a shift or weekly basis.
Label Printing	Label printers can be connected via network or directly to a PlantStar DCM and barcode or other labels may be printed for any process requirement. FORMER Designer License is provided for customer label customization.
ERP interface/integration	Customized interface for import/export of production schedules and related information from customers ERP/MRP system.
Material Usage Reporting	Generates reports on material usage by job, shift, day or other period. Export data back to ERP to improve operations and control.
Material Forecasting	Anticipate material usage/demand based on scheduled jobs and materials specifications to improve operations and control.
Material Lot Tracking	Track material lot numbers from ERP work order through production and maintain association between material lots and jobs, work orders, and finished goods to provide traceability and control.
Text to voice paging	The ability to broadcast messages relating to currently monitored exception conditions such as Down, Idle, Fast, Slow, Production and Process exceptions. These messages can be heard on speakers or public address systems.
Process Monitoring	With this added feature, PlantStar has the ability to measure and track a large variety of process variables. Process variables relate to speed, pressure, and time based intervals. Examples are cycle time, fill time, charge time, take-out time, injection start, cushion, barrel zone temps, nozzle temps, thermolator temps, chiller return, etc.
Process Variable Chart Viewer	This allows you to chart out any provided process variable. The process variable analysis allows you to chart process profiles which provides views of a single cycle and all changes over time within the cycle. Process Single Value which is 1 value per cycle, then plotting the value for each cycle to look back at trends. Or utilize a XBar-R chart which is the SPC chart and shows how the process trends are doing over a longer period of time. All these can be exported and shared.
Process Variable Table Viewer	This is a summary of every single process variable by machine for a specific job. This is a live table viewer that charts critical minimum, warning minimum, values, active readings, warning maximum, critical maximum, the average.
PlantStar Human Machine Interface (HMI)	Rugged touch screen device made for the manufacturing industry. The PlantStar HMI allows operators to interact with the system. You can review images and specs on our website at the Plantstar hardware page.
Machine Interface Support	PlantStar has the ability to utilize machine interface protocols such as EuroMap, OPC/UA, ModBus, V50/V70 or can provide a direct wire approach.
Custom Reporting	PlantStar provides custom reporting for specific reports upon customers requests.