Epicor CMS
PlantTalk:Pack
Delivered by Datanational Corporation

Labeling and Packing Validation for CMS

PlantTalk:Pack is a comprehensive pack-off system that integrates with CMS for production reporting and container label printing. It supports the automated pack list printing based on standard packs. It also provides the validation of the unpack/repack process.

Our system is scan-enabled to support packing of the parts into the final shipping containers to ensure that the correct part and quantity is being packed. The system provides the ability to allow containers to be configured as needed (by customer, by load) to ensure the flexibility of the container loading process, while still providing the full scan validation of the finished load.

The packing application provides the required validation that only a single part can be packed/scanned into a single container. When the rack is full, the operator scans all of the parts that are in the rack. If all are the same part number, and the standard pack quantity is met, the proper shipping rack label will automatically print from CMS, based on the part setup information in the application and the file upload to CMS.

As an optional add-on function to PlantTalk:Pack, we can also implement on-demand labeling to print barcoded serialized part labels. These can be triggered via a PLC interface, touch screen interface or a scanner trigger. Once the parts are uniquely labeled, they would then be scanned into your containers.

Datanational's PlantTalk:Pack software is tailorable to deliver on the automated finished goods container labeling and timely production reporting into CMS based on the direct triggers from the PLCs from the production machines. If an output file receipt from the PLC is not feasible, for the PLC communications with an applicable machine, we will define the scope and the software tools & hardware required to establish the communications.

Software Built Around You

PlantTalk MES is supported by Datanational's support and development team around the clock. As your one-stop shop for innovative business solutions, this system is field tested, customer endorsed and positioned to help you meet today's growing business demands as well as those of the future.

Automated Production Reporting for CMS

1. Using a PC workstation or a Windows tablet, the production supervisor
will set up the line after they have completed running the test/sample parts
but before the start of the full production run for the part. This password
protected option will provide for the entry of the following fields:

      a. Department
      b. Resource #
      c. Production Employee # (optional)
      d. Any additional required information

This application setup function can also be performed ahead of the
production setup phase, and then the supervisor switches to Run mode
once the setup testing has been completed.

2. Once the Run mode has been activated, the PLC interface will be turned on, collecting the production
triggers from the resource.

3. The PlantTalk application will send a record to CMS to record production for the scanned part, using the data
queues to send data records to the CMS SF223 program for batch label processing, using the respective CMS
event codes. We will also populate the appropriate traceability field(s) in CMS with the collected data string, if
applicable.

4. Upon reaching the standard pack value for the part, a specific CMS event code will be used to trigger the
generation of a container label from CMS.

Production Status Dashboard for CMS

The above screen is displayed when the program starts. The display shows the Resources for the Department.
The screen shows the resources status by color to make it easy to determine the status of the resources at a
glance.