



## CorrPlan® Plant Floor Data Collection

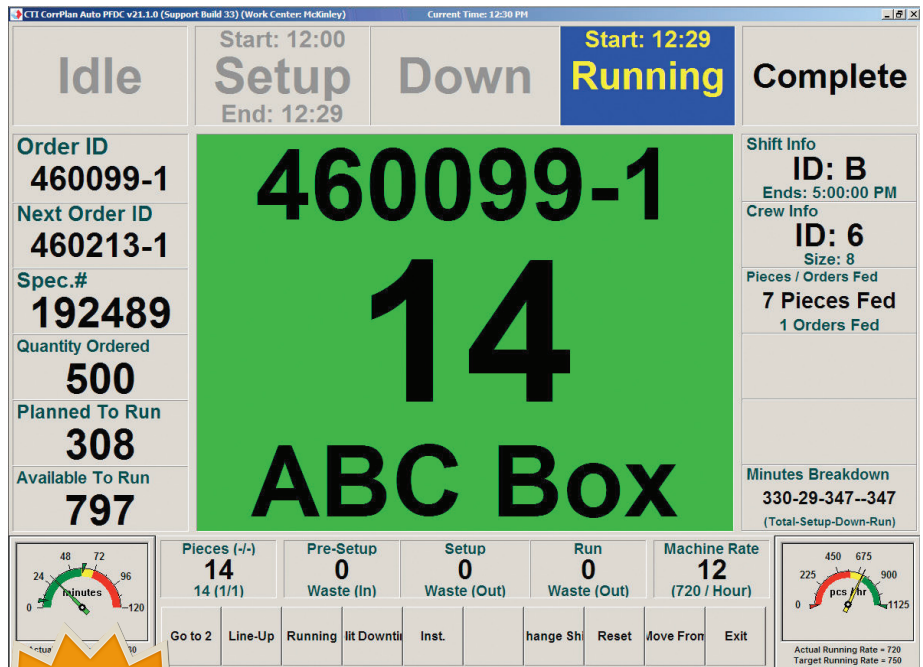
The CorrPlan Plant Floor Data Collection module is the most robust, flexible, and complete manufacturing data collection solution for companies in the packaging industry.

### Intelligent, Automated, Plant Floor Data Collection

Available as part of CTI's CorrPlan Finite Scheduling module—CorrPlan PFDC helps you increase production, improve equipment and crew efficiency, and reduce manufacturing costs. Easy to use and fault tolerant—CorrPlan PFDC provides CTI's customers with complete visibility of their manufacturing operations and supports quality improvement efforts.

#### Business Benefits

- Increases productivity
- Increases machine utilization
- Provides complete visibility
- Improves production efficiency
- Increases manufacturing flexibility
- Improves plant floor communication
- Supports quality improvements



PFDC provides machine operators with an easy to use user interface and supports interfaces with productivity awareness stack lighting systems.



## Features and Functions

CorrPlan Plant Floor Data Collection (PFDC) provides schedules, manufacturing specifications, performance feedback, and other information to machine operators and production supervisors. CorrPlan PFDC is the source of production related information provided to users and to other applications—such as CorrPlan—within an integrated manufacturing environment.

CorrPlan PFDC uses Programmable Logic Controllers (PLC) and optical sensors to count sheets and automatically record the start and stop times of activity segments as appropriate for different converting machines. CorrPlan PFDC displays real-time machine line-ups, set-up times, run durations, downtime, and waste tracking, on its large, easy-to-read user interface.

Operators need only enter downtime and/or waste codes (you can configure to suit *your* requirements). Extremely fault-tolerant—PFDC will automatically collect production data, even if its connection to the host network is severed.

CorrPlan PFDC functions include:

- Automatic adjustment of set up/make-ready based upon historical set up and run rates for spec
- Select and view details for any order in a machine's schedule
- Select and view any order in another machine's schedule
- Split (partial) an order
- Enter production information manually
- Manually initiate set up/make ready and running of an order, and record downtime, and waste
- View the schedule for any machine
- View the manufacturing requirements for any scheduled or in-process order
- View production history for the current shift on assigned machine

## Support for Productivity Awareness Light Stacks

There are new outputs available from the Plant Floor PLCs, which are used to drive Productivity Awareness Stack Light displays on the shop floor. These lights can display whether a machine is performing to target, outside of target, down, etc; allowing plant floor supervisors to determine which machines/crews require support at a glance.

## Real-Time Machine Status

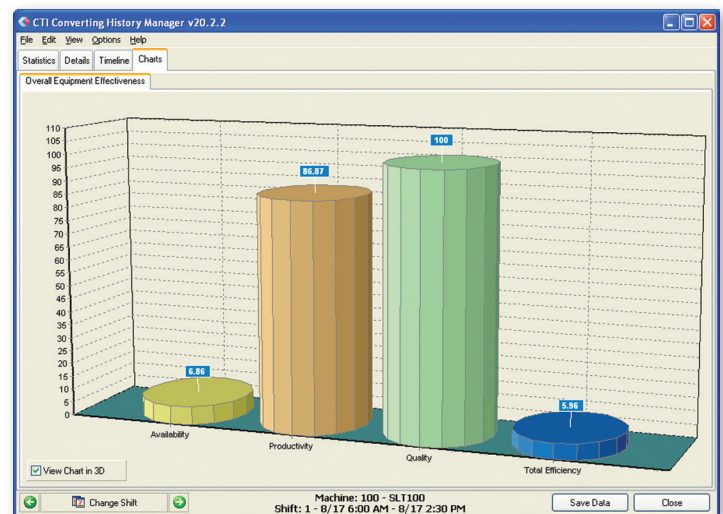
CorrPlan PFDC provides the following status information for each converting machine:

- Machine state (e.g. set-up, running, stopped)
- Order identifier (if processing an order)
- Set-up start time (if processing an order)
- Set-up stop time (if processing an order and setup is complete)
- Run start time (if processing an order)
- Quantity (if processing an order)
- Start of stop period (if stopped)
- Stop reason (if stopped)

## Real-Time OEE Metrics

CorrPlan PFDC's Overall Equipment Effectiveness (OEE) tracking facilitates quality manufacturing—metrics for each machine center include:

- Total production
- Waste
- Good production
- Productivity targets
- % productivity per hour/run
- % down - % available
- Average set-ups
- Average down time
- Average run time
- And more...



Overall Equipment Effectiveness (OEE) tracking provides valuable real-time and historical data—essential for improving efficiency