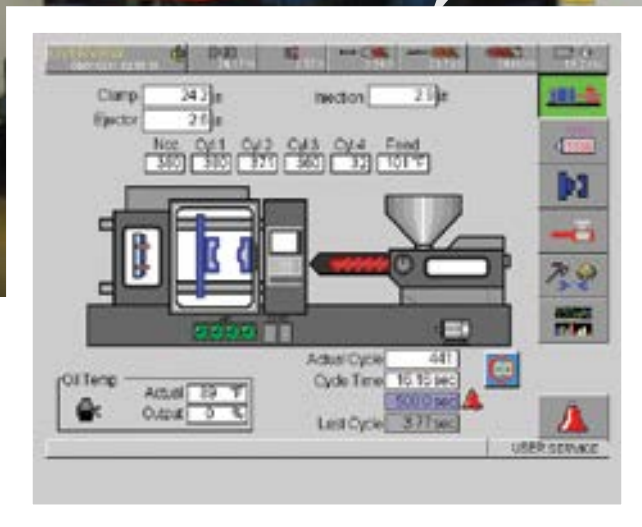
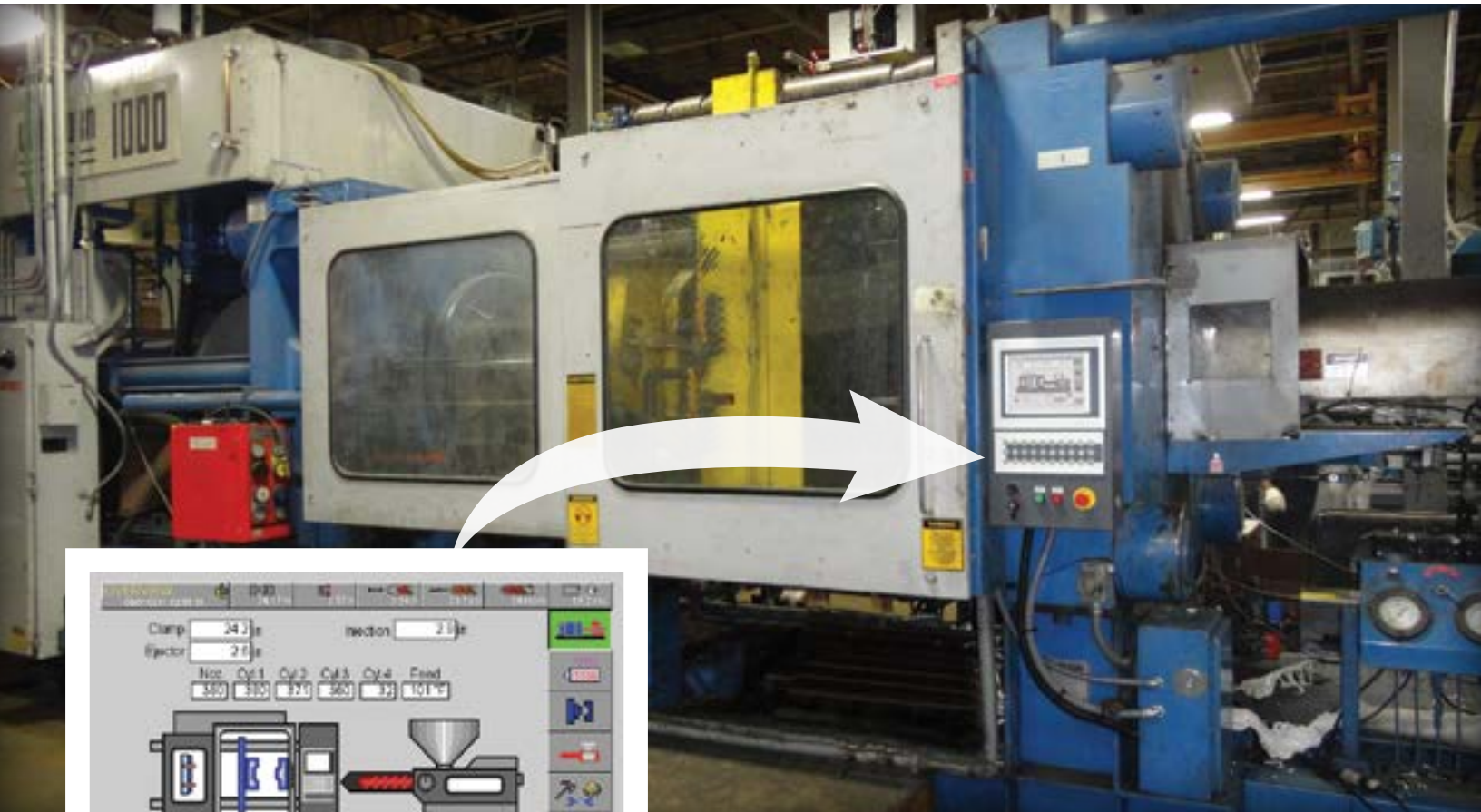




CINCINNATI PROCESS TECHNOLOGIES

# Control Retrofits

Modern control upgrades for your molding operations



Precision solutions. Measurable results.

# CPT's process controls help your existing machinery run like today's state of the art technology.



## WHY RETROFIT?

- Mechanical equipment that is decades old is still performing functions critical to a business's success.
- A modern control system brings the productivity and efficiency benefits of today's computer technology to reliable workhorse machinery often designed to last a half century or more.
- A retrofit can cost a fraction of a total machine replacement and yield the same or even better production results.

## WHY CPT?

- CPT focuses on your return-on-investment and will calculate various ROI scenarios to determine the best retrofit solution for your specific operation.
- Because we're industry specialists, we know the value of minimizing the project lead time and the downtime for installation.

**CPT's engineers and technicians have more than 100 years combined experience in the plastics industry.**

**If you're looking to expand production capabilities, improve operating efficiency, lower energy costs or simply modernize one machine or an entire production line, call CPT today and put more than 100 years of plastics machinery expertise to work for you.**

**Engle Vertical Rotary**



**Nissei 400 Ton**



**Mitsubishi 950 Ton**

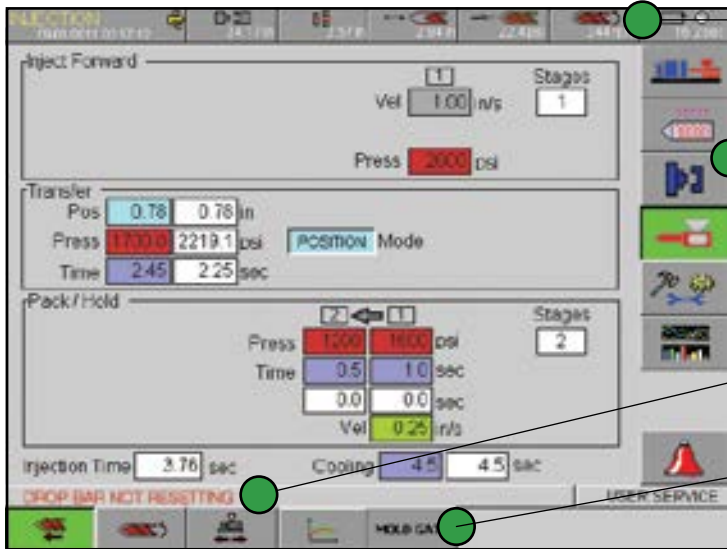


**“An ideal retrofit scenario is for machinery with a high replacement cost that may be worn or difficult to maintain but is still mechanically sound. The ROI typically makes the decision easy.”**

## **REASONS TO CONSIDER A CONTROL RETROFIT FROM CPT INCLUDE:**

- Reduce energy consumption via auto shut-down, reduced cycle time, capture/reuse of heat loss and optimal sizing of drive components
- Significantly reduce downtime associated with component failure
- Reduce scrap via improved accuracy and repeatability
- Enhance production capabilities using new software and custom ‘recipes’ stored at the control or provided via portable flash media
- Add new capabilities including robotics, multiple cores, valve gate controls, process monitoring, and proportional speed and pressure control
- Reduce cycle time through improved clamp control and core sequence
- Extend productive life of machinery
- Facilitate monitoring and maintenance via remote diagnostics, alarm screens and meticulous documentation
- Gives you the latest user-friendly, closed-loop process control technology with full calibration
- Support for current technology upgrades and enhancements

# B&R INTUITIVE TOUCH SCREEN INTERFACE



## Status Bar

Provides a quick glance of active Menu / Date / Time and actual machine parameters

## Main Menu Keys

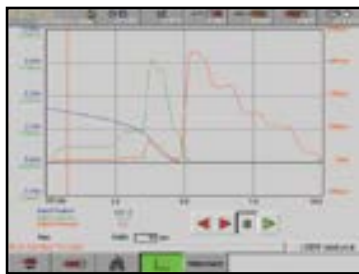
- Overview
- Temperatures
- Clamp / Eject
- Inject / Extruder
- Configure / Maintenance
- Process Data
- Alarms / Messages

## Message Bar

Displays important Alarms and Messages

## Additional Menu Access Keys

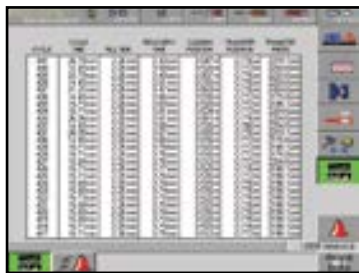
Keys located at bottom of screen are used to navigate to sub-menus



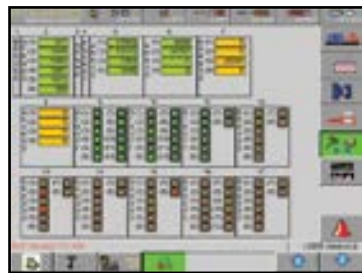
Injection Plotting Graphs



Clamp Screen



Production Data



Troubleshooting and Diagnostics

## SOFTWARE FEATURES

- Position-based clamp control
- Closed loop control for injection velocity and pressures
- Five injection velocity segments
- Five pack and five hold pressure segments
- Core pull and core set software (A1-A4, B1-B4)
- PID temperature control all zones and nozzle with auto tuning
- Operator change log
- Multiple levels of password protection
- Recipe storage for mold data locally (40) or to USB device
- Alarm log and alarm history of last 200 alarms
- Screen capture and save to USB device
- Process monitor and alarms
- Machine diagnostics of analog and digital I/O
- Robot interface software

For plastic processors trying to expand productivity without a large capital expenditure, a well-engineered control retrofit could be the perfect solution.



**CINCINNATI PROCESS TECHNOLOGIES**  
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