

XL Bolt-On HMI Product Information



USE CASES:

Operator replacing barcode scanner & barcode sheets

For clean-room applications where barcode scanner and barcode sheets are inappropriate due to sanitation/sterility requirements

For environments where operators aren't able to see the XL in order to know what it's showing

For environments where multiple barcode scanners (more than 2) are required or barcode scanners would be too far away from the XL to communicate (RS232 is limited to approximately 25 meters without extension hardware).

Production Manager needing to remotely make supervisory changes/updates to the operation of the XL like adding comments, starting different parts/jobs, manually starting/ending shifts.

Maintenance personnel controlling the XL with separate set of downtime reasons.

Manual work-cells where sensors aren't useful as input devices. Operators can use buttons to count production and set production state as well as all other normal XL functions.

Use a single XL for creating and managing parts list and reference that device as the data source for starting parts on ANY XL. Easy and "free" parts list & editing tool built right in to the XL.

BASIC LICENSE FEATURES:

Set Downtime Reason Codes

- Individual buttons for each Downtime Reason

- Drop-down list of reasons

- One or more pages to group reasons

Enter Reject Reasons with Quantities

- Allow operators to enter dynamic quantity

Manually Control Run/Down

- Turn off XL's automatic Run/Down detection and let user's control the production state.

Execute Breaks/Lunch/Shift Start/Shift End

Start New Team with Variable Crew Size (V2 only)

- Operators can also create dynamic team name & size

Execute Pre-programmed Parts & Jobs

Users can create embedded job/part info for each button.

Operators can pick from XL's onboard job/part lists (V2 Only)

Create New Parts & Jobs On-the-Fly

View XL Scoreboard

Scoreboard View also doubles as a screen saver after inactivity for xx seconds

Trigger Digital Inputs

Manually stroke inputs on the XL. Add any quantity to any input configured as a counter

Write Data to User Strings and User Numbers (V1 only)

Arbitrary Data Entry to XL V1 User Strings and User Numbers

Attach Operator Comments to any Channel (V2 only)

Arbitrary Data Entry for operator to comment on a selected channels (Shift, Part, Down Event)

Add comments to current or past downtime events

ADVANCED LICENSE FEATURES:

Send Alerts via E-Mail to Call Attention to Production

Formatted or free-form data entry with drop-down lists

Send to any E-mail recipient (e-mail to text/sms phones)

Automatic data to indicate line, time and other meta-data and XL production metrics

Attach Structured Comments (V2 Only)

Formatted or free-form data entry with drop-down lists

Attach to any channel

Automatic data to indicate line, time and other meta-data and XL production metrics

Pick and Start Jobs From ERP/MES (V2 Only)

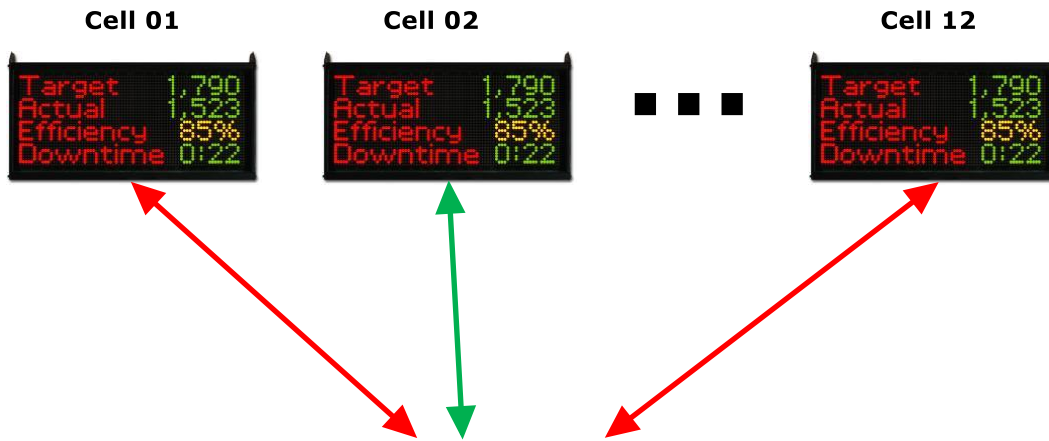
Operators can pick from job/parts lists from:

Databases

.CSV or .TXT files

ANY Vorne XL onboard job/parts list

Talk to unlimited number of XLs (one at a time):



Control multiple XLs from a single tablet, touchscreen or PC.



Perfect for production managers or maintenance personnel.

XL BOLT-ON XBHMI Runtime License Holder [DEMO Company] Timeout at [5/4/2023 7:09 PM]

| Asset: Cell 02 | | Total | Good | Reject |
|---------------------|---------------------|------------------|----------|--------|
| Team: Unknown Team | Shift: Second Shift | 2,740 | 2,740 | 0 |
| Job: Unknown Job | Part: Sample Part | 148 | 148 | 0 |
| 5/4/2023 5:28:06 PM | Current Reason | Last Down Reason | 00:01:15 | |
| State: Running | Running Normally | No Material | | |

Start Prod. End Run

Start Down Target: 1,000 Perf: 233.3% Efficiency: 274.5% Down: 2:09:30

Line Select

Downtime Reasons Line Select Changeover Maintenance Schedule Teams Rejects Advanced Features

| | | | |
|---------|---------|---------|---------|
| Cell 01 | Cell 02 | Cell 03 | Cell 04 |
| Cell 05 | Cell 06 | Cell 07 | Cell 08 |
| Cell 09 | Cell 10 | Cell 11 | Cell 12 |

17:27:58 Execute Success: Asset: <Cell 02> Action Label: <No Material> Action Type: <V2 Supply Process State Reason> State: <Down> Reason: <No Mate View