# **XL800 PRODUCTIVITY APPLIANCE**<sup>™</sup>



with Alphanumeric Graphics Display



# THE CHALLENGE

You need a simple and effective way to improve manufacturing productivity. A way to gather actionable information that exposes problem areas, and a way to inspire and motivate the people that have the greatest impact on productivity – your plant floor employees. You need information fast – and at your fingertips. Not buried in a report that is days or weeks old. With resources and budgets already stretched thin, somehow you need to produce more with less. And you need an easy and affordable solution with no software to install, no contracts to sign, and installation measured in hours – not weeks or months.

# THE SOLUTION

Introducing the XL800 Productivity Appliance<sup>™</sup>. A "bolt-on" performance management tool that is so easy to use that it can be self-deployed in about an hour. The XL800 automatically tracks production in real-time and instantly delivers meaningful, accurate, and actionable information anywhere in the world. We call it *Data Anywhere, Data Everywhere*<sup>™</sup>. The integrated large area visual display informs, alerts, and motivates your plant floor employees, while the built-in Ethernet LAN connection delivers instant production reports and analytics to supervisors and managers – wherever they are. All from one, low-cost, fully-integrated hardware appliance.

# THE PRICE

XL800-32080T	4-Line	80 Column	\$3,990
XL800-32160T	4-Line	160 Column	\$5,490

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# **KEY BENEFITS**

- A complete solution—plant floor scoreboard, production reporting system, historical analytics, and browser-based live data—all included.
- No software to install. Simply plug the XL800 into your LAN and it delivers instant plant floor performance data.
- No changes to your process. It's a "bolt-on" solution that easily connects to your existing process.
- No waiting. Instant production reports delivered in Excel<sup>®</sup>, Word<sup>®</sup>, and CSV formats.
- Live production data delivered directly to your desktop via a standard web-browser.
- Motivates plant floor employees to meet and exceed goals with real-time performance feedback.
- Eliminates time consuming and error-prone manual data entry.
- Tracks 100+ metrics including OEE, Target, Performance to Takt, Rate and Down Time.
- Exposes losses in real-time for immediate corrective action.
- Shows if process is on target (green), slightly deviating (amber), or requires immediate attention (red).
- Adapts to your process with intuitive browserbased configuration tools.
- Field proven with thousands of installations across all maior industries.
- Self-deployed in about an hour.
- **FREE 90-day trial with expert technical support.**



We Improve Manufacturing Productivity<sup>™</sup> = 1-877-767-LEAN = www.vorne.com

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# "SIX-IN-ONE" PRODUCTIVITY APPLIANCE™

The XL800 is an incredibly flexible performance management platform that combines six products into one simple package:

- Visual Display Informs, alerts, and motivates employees
- Production Monitor Tracks manufacturing performance
- Data Warehouse Manages real-time and historical data
- I/O Processor Provides flexible connectivity to your process
- Embedded Server Distributes data to managers everywhere
- Programming Platform Tailors operation to your process

#### **VISUAL DISPLAY**

The XL Visual Display provides instant performance feedback to the plant floor. Information that informs, alerts, and motivates your plant floor employees.

#### See Goals, Meet Goals

Goals are a powerful motivator, and the XL Visual Display establishes a shared set of goals for the plant floor. In fact, for most applications, the XL Visual Display is the fastest path to productivity gains. It channels people's natural competitive spirit and harnesses their desire to win by establishing SMART goals (Specific, Measurable, Attainable, Realistic, and Timely).

#### **Focused Feedback**

XL delivers the right information to the right people at the right time. It translates complex manufacturing data into easy-to-understand performance feedback. The result is a well informed, strategically-aligned workforce that is truly focused on improving productivity. Think of XL as a real-time performance dashboard for the plant floor.

#### Customizable - Not Custom

Every production situation is unique. That's why XL makes it especially easy to select the metrics that are most meaningful for your plant floor. With 100+ metrics available "out of the box", XL easily adapts to your needs. Plant floor events are immediately reflected on the XL Visual Display, providing a direct link between action (line goes down) and reaction (operator resolves problem).



Flip screens automatically based on what's happening on the plant floor.

# PRODUCTION MONITOR

The XL Production Monitor connects to your manufacturing process with plug-and-play simplicity. Seven integrated modules provide metrics and KPIs that are critical to understanding and managing your production: Counts, Rates, Cycles, Production Times, Visual OEE™, Targets, and Goals.

NO SOFTWARE TO INSTALL!

XL provides instant browser-

based access to production

reports, historical analytics,

and live plant floor data.

#### Easy Integration

Simply add one or two sensors and get a wealth of actionable information.

YOU PROVIDE	XL PROVIDES
One Sensor	Total Count, Current Rate, Average Rate, Current Cycle Time, Last Cycle Time, Average Cycle Time, Run Time, Last Run Event, Percent Run, Down Time, Last Down Event, Percent Down, OEE Availability
Second Sensor	Good/Reject Count, Percent Good/Reject, Good/Reject Rate, OEE Quality
ldeal Cycle Time	Standard Cycles, Standard Cycles Time, Slow Cycles, Slow Cycles Time, Small Stops, Small Stops Time, OEE Performance, OEE
Takt Time	Target Count, Pace Timer, Takt Timer, Count Variance, Time Variance, Efficiency
Goal	Pieces to Goal, Percent of Goal
Setup Switch	Setup Time, Last Setup Event, Percent Setup
Time Schedule	Standby Time, Last Standby Event, Percent Standby, Remaining Time

#### DATA WAREHOUSE

The XL Data Warehouse manages real-time and historical data with Registers and Streams.

#### Registers

Registers store real-time data such as the 100+ metrics generated by the XL Production Monitor. They also provide hundreds of "uncommitted" registers that can be loaded from PLCs, ERP systems, and other sources.

#### Streams

Streams store archived historical data, such as production records for the last 1,000 shifts and 1,000 jobs.

#### **I/O PROCESSOR**

The XL I/O Processor provides flexible connectivity to your production process.

#### **Digital Inputs**

Eight (8) digital inputs are standard, and can be expanded to twenty-four (24) with a sixteen-input expansion card.

#### **Digital Outputs**

One (1) relay output is standard, and can be expanded to six (6) relay outputs with an output expansion card. *Relay outputs are for annunciation only, and are not designed or intended for control applications.* 

#### **Communication Ports**

Three (3) communication ports are standard: 10/100 Ethernet, RS-232 and RS-232/RS-485 (selectable).

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# EMBEDDED SERVER

The XL Embedded Server provides instant access to production data for supervisors and managers—from anywhere in the world—with no software to install.

# Data Anywhere, Data Everywhere™

Supervisors and managers can view live production data and download shift and job reports in Excel®, Word®, and CSV formats—all via a standard web-browser.

# **Documentation Center**

No lost manuals, no out-of-date information, and no digging for documentation. The XL Documentation Center delivers instant access to complete XL documentation direct from XL via web browser.

# **PROGRAMMING PLATFORM**

The XL Programming Platform makes it easy to tailor XL operation to your specific requirements. Create application specific programs by simply stringing together predefined commands to achieve your desired operation.

### **Time Schedules and More**

Programs can be automatically triggered by time schedules, inputs, presets, production state changes, and more.

#### **Unlimited Applications**

- Drive a stack light based on line speed or downtime
- Automatically display remaining time for breaks
- Create "custom" metrics and KPIs
- Create a maintenance call button with a response timer

# **SPECIFICATIONS**

# Visual Display

- Full matrix display field 32 x 80 to 32 x 160 pixels
- Tricolor (Red/Green/Amber) LED, 12 shades plus effects

#### Digital I/O

- (8) Inputs 5 to 24 VDC Sink/Source (expandable to 24)
- (1) Output 1A, 120 VAC, SPDT Relay (expandable to 6)

#### Electrical

- Voltage: 100 to 240 VAC
- Power: 100 to 280 Watts (depending on model)

#### Mechanical

- XL800-32080T (13.7" H x 26.2" W x 3.5" D; 19 lbs)
- XL800-32160T (13.7" H x 50.2" W x 3.5" D; 33 lbs)

#### **XL - A COMPLETE PRODUCT FAMILY**

XL is much more than a product—it's a complete platform for production monitoring and performance management. The only difference between XL models is the type of visual display. Simply select the most appropriate display for your application.

- XL400 Single line with 4" digits (starts at \$1,890)
- XL600 Multi-line with 2.3" digits (starts at \$2,990)
- XL800 Alphanumeric with graphics (starts at \$3,990)

# FREE 90-DAY TRIAL

XL is an easy and complete solution that will save you significant time and money. We'll prove it! Try an XL unit in your plant for 90 days. After 90 days, simply return it or pay for it.

CALL NOW! 1-877-767-LEAN



We Improve Manufacturing Productivity<sup>™</sup> = 1-877-767-LEAN = www.vorne.com