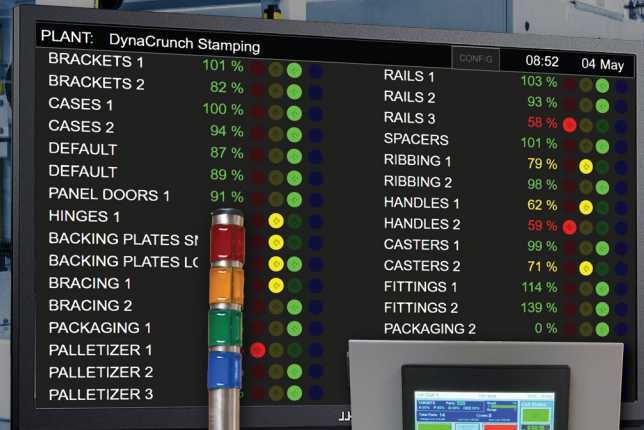


HORNER OEE SOLUTION

Making Manufacturing Improvements Easy!

A pre-programmed solution that is fast and easy to implement. No development on the user end, just a simple setup on the touchscreen and you can start monitoring and collecting data in minutes



OVERALL EQUIPMENT EFFECTIVENESS

COMPLETE SOLUTION

Remote tools are available for management visibility of all work cells being monitored for OEE. These tools include datalogs and dedicated management screens independent of operator screens. Data is made available for management to analyze shift, day, week and even monthly production information.



HORNER OEE SOLUTION

Monitor Any Machine...Any Process...Anywhere

WHAT IS OEE?



AVAILABILITY

Unplanned Stops /
Equipment Failure

AVAILABILITY LOSS

Planned Stops /
Setup & Adjustments



PERFORMANCE

Small Stops /
Idling & Minor Stops

PERFORMANCE LOSS

Slow Cycles /
Reduced Speed



QUALITY

Production Rejects /
Process Defects

QUALITY LOSS

Startup Rejects /
Reduced Yield



OEE

OVERALL EQUIPMENT EFFECTIVENESS

PRODUCTIVE & VALUABLE OPERATING TIME

WHY DO I NEED OEE?



INFORMATION

Identify Constraint /
Capture Loss Information
View Shift / Batch Changes



DECISION

Pick a Top Loss /
Decide Countermeasures
Make Plant Adjustments



ACTION

Implement Countermeasures /
Capture What You Learned
Make Corporate Decisions



RESULTS

WHERE CAN I USE OEE?



Oil & Gas - Gather data from remote locations.



Manufacturing - Send OEE data to corporate headquarters and the cloud for data analytics, improvements and predictive maintenance.



Water/Wastewater - Efficient remote site monitoring.



Food & Beverage - Enable track and trace, path to continual improvement, Real Time adjustments.



Power Utility - Virtually instant data reporting from remote locations.



Logistics - Send vast amounts of data to corporate central locations and cloud for big data analytics.



Medical Manufacturing - improve the quality of their products along with improving their production operations.





HORNER OEE SOLUTION

Monitor Any Machine...Any Process...Anywhere

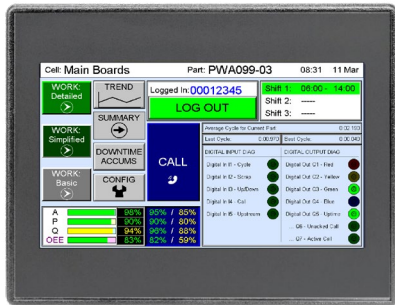
A Pre-Programmed Solution that is Quick and Simple to Set Up

REPORTS - SMART OEE ON EVERY PROCESS:

- Log production data that is immediately available to every user on your network
- Instantly generate data to use for work cell or shift reports for a process, area, plant, division or your entire enterprise
- Collect work cell OEE performance data and alarms, downtime reason codes and operator calls
- Data to create custom dashboards and reports exactly how you want them from the OEE stored data files

RESULTS - IMPROVEMENT AT EVERY LEVEL:

- Single source of data - detailed, accurate, timely and precise
- Operators - Meet production targets by empowerment to improving focus and quicker reaction to downtime and quality events
- Supervisors - Set shift targets using data to analyze and be proactive
- Leadership - Launch projects, set goals and compare investments with results



XLW Prime:

- Manual operator input via HMI or automated input from the machine / process
- Plant wide connectivity - (WiFi/Ethernet) to a data concentrator.
- Data storage on µSD memory card

Horner Bundle:

- Packaged together with HMI, Network connectivity, Data Storage, power supply and power disconnect, 4 color tower light, pre-wired terminal blocks for automated sensor inputs and protective enclosure

Tower Light:

- signal system for At Goal / Caution / Alarm / Call - viewable from a distance

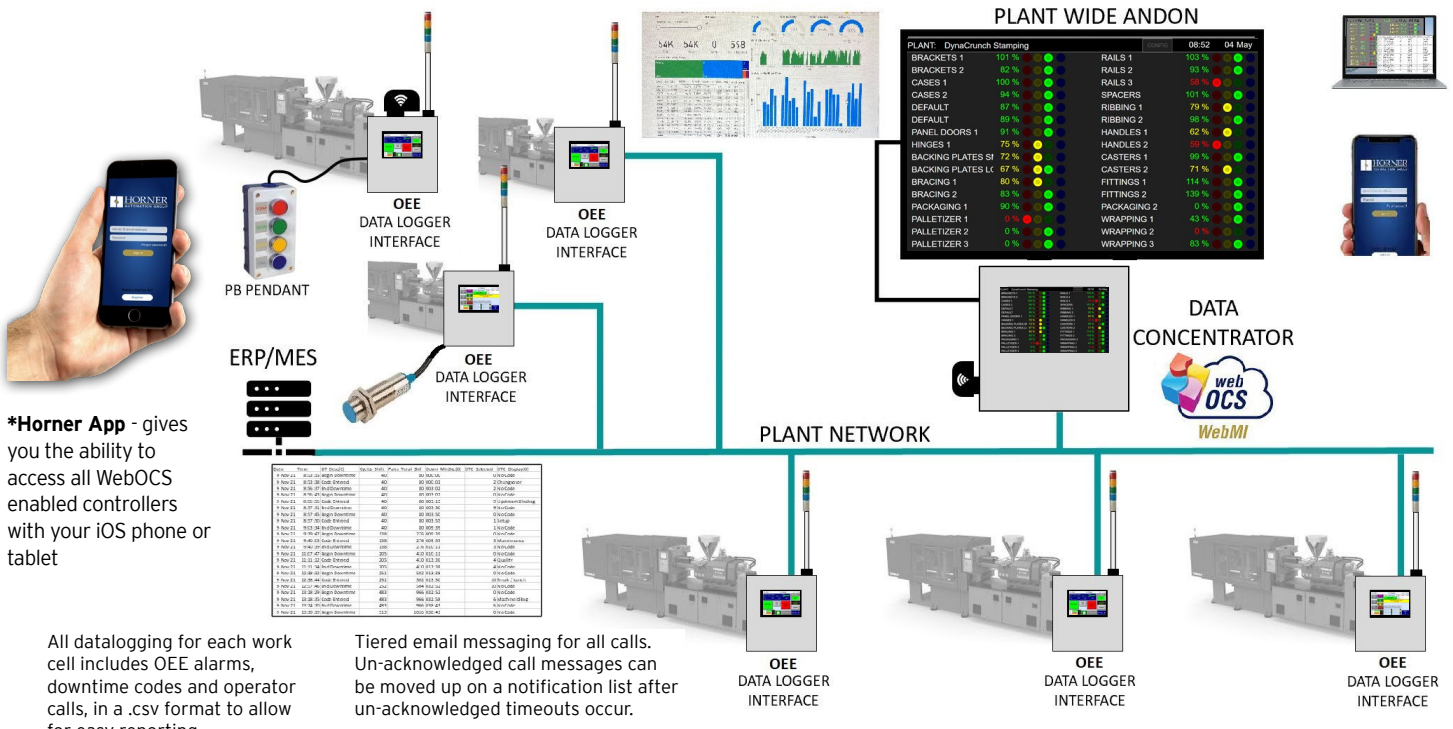
USB Port & Ethernet Port:

- panel mounted options to be available for - external data file transfers, plant wide LAN connectivity. *optional on individual work cells

Optional - WebMI -

- provides remote visibility and accessibility to data, allowing management to monitor operations hourly, daily, weekly and/or monthly
- Plant wide ANDON display





***Horner App** - gives you the ability to access all WebOCS enabled controllers with your iOS phone or tablet

All datalogging for each work cell includes OEE alarms, downtime codes and operator calls, in a .csv format to allow for easy reporting

Tiered email messaging for all calls. Un-acknowledged call messages can be moved up on a notification list after un-acknowledged timeouts occur.

PART NUMBER	DESCRIPTION
HS-EXPLWE3-OEE	OEE Solution Work Cell - Stand-alone controller only
HS-EXPLWE3-BX01-OEE-UL	OEE Solution Work Cell - UL508-Certified Panel
HS-EXPLWE3-BX01-OEE-DC-UL	OEE Solution Data Concentrator - UL508-Certified Panel with WebMI

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