

# MERLIN Operator Portal

## Real-Time Manufacturing Analytics Interface

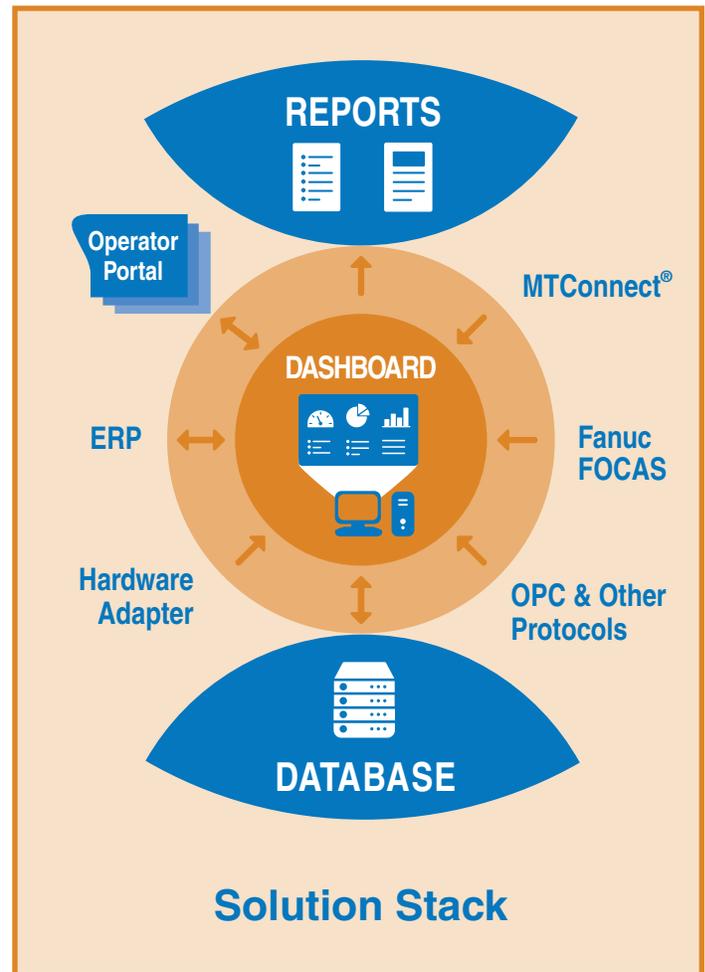
The MERLIN Operator Portal application is a human machine interface. It displays critical machine metrics and information along with providing operator input to the MERLIN system, all in Real-Time.

### FEATURES

- User customizable screen for buttons, labels and information
- Real-time queue for work orders and Ad-hoc work order creation
- Operator auto-prompt for down-time reasons
- Touch screen support
- Barcode scanner ready for work order interaction
- Operator selectable part quality classification and part count
- Fully integrated with Merlin platform
- Kiosk mode for multiple machine and operator support
- Pro-active operator email alerts
- DNC remote file call to Merlin DNC applications
- Built in onscreen barcodes
- One button electronic work instruction access
- Requires a Windows based PC

### BENEFITS

- Enables the operator for greater efficiency
- Lightweight application that can be run on windows computing devices such as tablets, laptops and computers
- Optimized with touch capability for ease of use
- Rapid down-time, part reject classification and rework capabilities through a simple operator interface
- Real-Time critical operations information available at all times
- Efficient multi-machine access through one operator console
- Enhance paperless environments with the work instruction feature
- Same user interface for both machine centric and manual operations
- Eliminate data input errors through intuitive barcode data entry



Machine ID	Machine Name	State	Prod. Std. Cycle Time	Job IN-CYCLE Time	Operator/Name	Utilization	Parts To Go
101	Gap Lathe GL54	IN-CYCLE	11 d	5 h, 42 m, 36 s	Utilization Operator	75.01 %	5139
105	Mori Seiki Lathe	N/A	1156 d	0 s	Utilization Operator	65.23 %	99930113

MACHINE DETAIL LIST for: 101 / Gap Lathe GL54	
Machine Group:	MTC Sim
Machine State:	IN-CYCLE
Current Amount of Time in Machine State:	22 seconds
Run Time Total:	5 hours, 25 minutes & 6 seconds
Down Time Total:	1 hour, 48 minutes & 18 seconds
Down Time Count:	780
Operator: ID / Name	100 / Utilization Operator
Work Order:	44589-W
Product ID:	Washer- PT5643
Product Description:	Nylon Washer
Good Parts Made: Shift / Job	64 / 3657
Reject Parts Made: Shift / Job	23 / 1203
Parts Required:	9999
Parts Made: Shift / Job	87 / 4860
Parts To Go:	5139

## ABOUT MEMEX™

The Industrial Internet of Things (IIoT) powered by machine to machine (M2M) connectivity coupled with software capable of collecting, analyzing, and intelligently presenting streams of manufacturing data represents no less than the next Industrial Revolution. MEMEX with its visionary attitude has been on the leading-edge of the convergence of the industry trends in Computing Power, Connectivity of Machines, Industry Standards, Advanced Software Technology, and Manufacturing Domain Expertise. Leading this transformation is MEMEX Inc., the developer of MERLIN, an award winning IIoT technology platform that delivers tangible increases in manufacturing productivity in Real-Time.

MEMEX, with its comprehensive understanding of the manufacturing industry, is the global leader in machine to machine connectivity solutions.

Committed to its mission of “Successfully transforming factories of today into factories of the future” and encouraged by the rapid adoption and success of MERLIN, MEMEX is relentlessly pursuing the development of increasingly innovative solutions suitable in the IIoT era. MEMEX envisions converting every machine into a node on the corporate network, thereby, creating visibility from shop-floor-to-top-floor.

MEMEX, with its deep commitment towards machine connectivity, offers solutions that are focused on finding hidden capacity by measuring and managing Real-Time data. This empowers MEMEX’s customers to effectively quantify and manage OEE, reduce costs and incorporate strategies for continuous lean improvement.



### PRODUCTIVITY

10%-50% average productivity increase



### PROFITS

20% + profit improvement based on just a 10% increase in OEE



### PAYBACK

payback in less than four months with an Internal Rate of Return (IRR) greater than 300%



### CONNECTIVITY

connects to any machine, old or new

Contact MEMEX to implement IIoT data-driven manufacturing now.



**MEMEX**  
Measuring Manufacturing Excellence™

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