

## Use Real-Time Work Center Schedule and labor Post Operation with **MAX Electronic Work Orders** for real time shop Visibility and Schedule.

Migrate your work center schedules and labor data collection from the paper to the employee work center.

### **Eliminate Manual Data Entry and Ensure Accurate Order Costs**

MAX Electronic Work Orders gives you complete visibility and control over current activity on your shop floor you know exactly which job each employee is working on and can precisely monitor labor hours. By knowing which employees are most efficient on various types of work, you can evaluate employee performance and manage profitability.

Your Employee will know what order and operation needs to work on first and what is coming to the work center.

When the las operation is reported operator will be able to receipt or backflush the work order into inventory.

### **Improve and Simplify Data Collection, and Reduce Data Entry Errors**

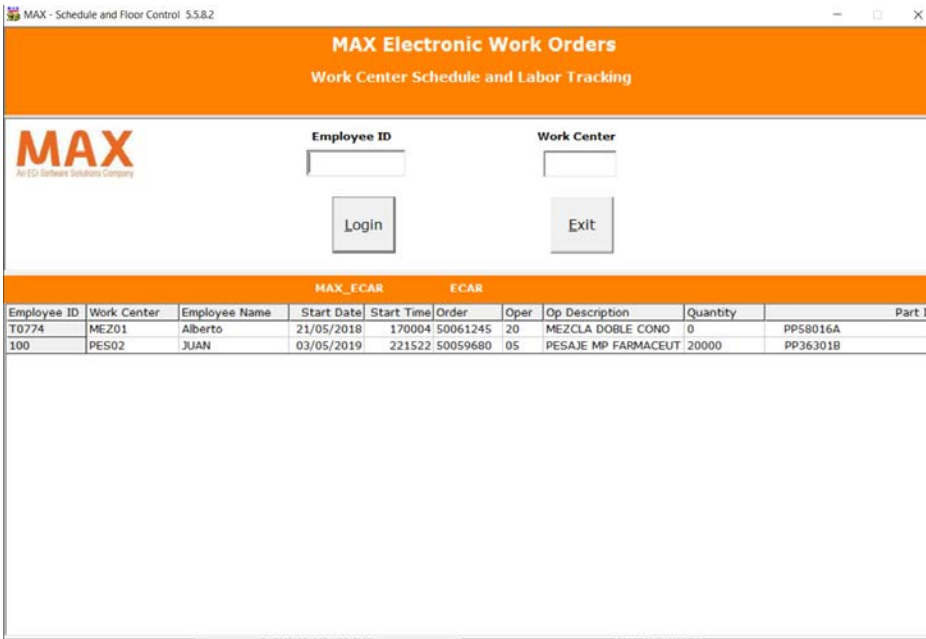
With MAX Electronic Work Orders, you can keep track of how much labor goes into each job and review powerful costing reports to make sure you are profitable on each job.

MAX Electronic Work Orders is a very flexible management system, allowing employees enter data directly using strategically placed input devices such as keyboards, bar-code wands, computer monitors, and touch screens, which helps reduce or eliminate data entry errors.

MAX Electronic Work Orders allows you to take each work center schedule to the floor, so each employee knows what to work on and what is next.

### **Real-time activity on the shop floor is at your fingertips with MAX Work Station Driver, letting you easily**

- ✓ Manage Work Assignment on line at the work center.
- ✓ Put the power in the operator's hands, letting them work off of dispatch list to select their next order.
- ✓ Manager clocking-in and clocking-out with a press of a button and not writing it down on a paper.
- ✓ Eliminate manual data entry with real-time data and automatically validate to improve accuracy.
- ✓ Eliminate hard-to-read handwritten shop cards and time tickets.



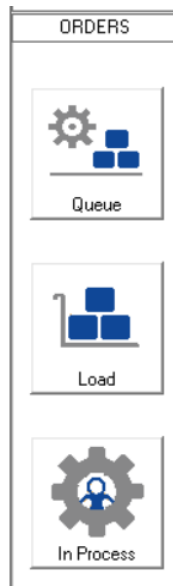
This screen will be at each monitor at each work center.

It will show all active order operations with activity open at all shop work centers.

It will allow the operator to read his ID and the work center he will be working on.

It will validate the Employee ID and the Work Center and allow the Operator to see all activity at the work center He login to.

Clicking the grid with refresh it with new operation started.



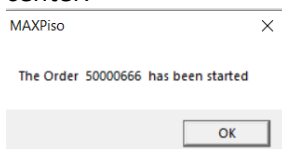
Once Log-in He will be able to see 3 options:

1. Queue all operations that are in queue at this specific work center.
2. Load all operations that are coming from other work centers but have not come in yet.
3. In Process all operations this specific operator is working on.

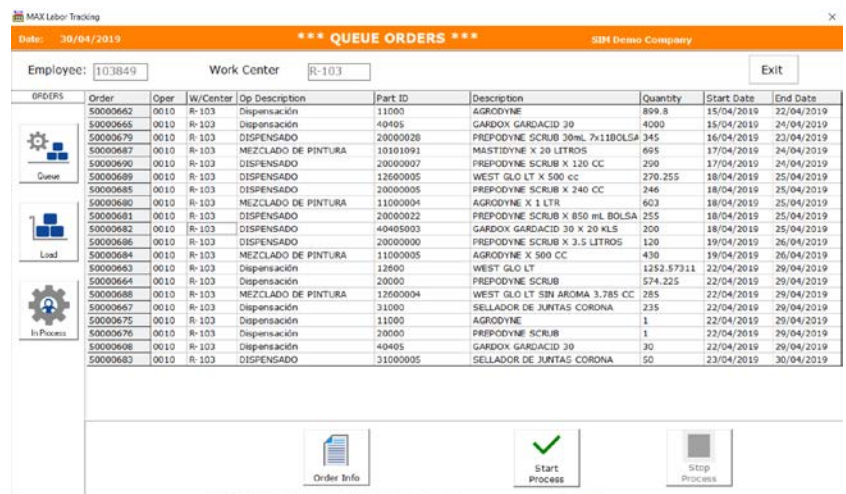
Once Log-in Operator will be taken to the Queue Orders screen, these are all operations that are in Queue at this specific work center.

When the operator highlight a line have two options:

1. Login to the operation. This will start the operation for this specific employee and work center.



2. Have the Order Information. It will give all order and routing information for this specific shop order.



Shop Floor Order

Order: 50000666 Part ID: 01101100 Description: ACIDO IODHIRICO

Type: MF-Manufacturing Reference: Priority: -0.207 Customer PO:

Quantity: 21641 Due Qty: 21640 Planner ID: PG1 Lot Number: 9000000147

UDF Ref: UDF Key: Firm: N Pst Stock ID: PP-0101 Status: 3

ORDER ROUTING

Oper	W/Center	Op Description	Process Tim	Setup Time	Comple	Due Qty	Scrap	Hold	Queue Col
0010	R- 103	Dispensación	1	0	21640	0	1	N	C
0020	C- 102	Mezclado	1	0	0	21640	0	N	Y
0030	CA001	Control de Calidad	0.2	0	0	0	0	N	N

Shop Order Information when you click the Order Information option.

Close

This are all Orders and Operations that will be coming to this work center but have not arrive yet as they still in a previous work center.

This will give the operator a complete view of the orders he is expecting to arrive at his work center.

MAX Labor Tracking

Date: 30/04/2019 \*\*\* LOAD ORDERS \*\*\* SIM Demo Company

Employee: 103849 Work Center: C-102 Exit

ORDERS	Order	Oper	W/Center	Op Description	Part ID	Description	Quantity	Start Date	End Date
	50000662	0020	C-102	Mezclado	11000	AGRODYNE	899.8	22/04/2019	22/04/2019
	50000665	0020	C-102	Mezclado	40405	GARDOX GARDACID 30	4000	24/04/2019	29/04/2019
	50000667	0020	C-102	Mezclado	31000	SELLADOR DE JUNTAS CORONA	235	29/04/2019	29/04/2019
	50000675	0020	C-102	Mezclado	11000	AGRODYNE	1	29/04/2019	29/04/2019
	50000676	0020	C-102	Mezclado	20000	PREPODYNE SCRUB	1	29/04/2019	29/04/2019
	50000608	0020	C-102	Mezclado	40405	GARDOX GARDACID 30	30	29/04/2019	29/04/2019
	50000663	0020	C-102	Mezclado	12600	WEST GLO LT	1252.57311	29/04/2019	29/04/2019
	50000664	0020	C-102	Mezclado	20000	PREPODYNE SCRUB	574.225	29/04/2019	29/04/2019

Queue Load In Process

Order Info Start Process Stop Process

MAX Labor Tracking

Date: 30/04/2019 \*\*\* IN PROCESS ORDERS \*\*\* SIM Demo Company

Employee: 103849 Work Center: C-102 Exit

ORDERS	W/Center	Employee Name	Start Date	Start Time	Order	Oper	Op Description	Quantity	Part ID
	C-102	Camilo	29/04/2019	115744	50000631	0020	Mezclado	998	01101100

Queue Load In Process

Order Info Start Process Stop Process

These are the orders this Employee is working on, He might have more than one operation open a the same time if the Employee Master file has the multiple Privilege selected.

The operator only have to highlight the operation He want to log-out from and hit the Logout Order option and a new screen comes out for him to report quantity and scrap.

This screen allow the Operator to report:

- ✓ Actual SetUp Time
- ✓ Completed Quantity
- ✓ Scrap Quantity
- ✓ Defect Code

It will validate quantities, and require defect code when scrap is reported.

After Log Out Operation a screen comes out.

Order Logout

Employee ID  Name

Work Center  Sequence  Shift

Part ID  Description

Started Date  Started Time  :  :  Elapsed Time

Quantity Completed  Setup Time  :  :  Run Time

Quantity Scraped  Defect Code  Shift

MF Order Receipt

Receipt  Receipt  Receipt Backflush

Alternate Stock ID Backflush Stock ID

Receipt Stock ID Stock ID

MF Order Receipt

MAXPiso

You are reporting Order: 50000652, Operation Sequence: 0020, End Date: 190423, End Time: 121533, Quantity: 200 and Scrap: 1

MAXPiso

The Orden: 50000652 Has been posted ok

If the last operation is reported and quantities are completed, then the next part of the screen will be activated so the operator can receipt or Backflush the work order into inventory and issue materials if backflush is used.

MF Order Receipt

Receipt  Receipt  Receipt Backflush

Alternate Stock ID Backflush Stock ID

Receipt Stock ID Stock ID

MF Order Receipt

This process will close the order set to status 4 and receive it into inventory and do a Backflush if selected.

## PLANT MONITOR IS ALSO PART OF THIS MAX MODULE

Plant Monitor This monitor is in the plant monitoring 4 work centers of selection by the user. You can have more than one Monitor at the shop floor.



The 4 work centers to be monitored are configured. You can have several monitors around the plant.

MAX Data Parameters

**MAX**  
An ECI Software Solutions Company

License For:

License Id No.:

SQL Server Name:

SQL User:  SQL Password:

MAX Company DataBase:

MAX Company Name:

Default Work Centers

Work Center 1	<input type="text" value="R-302"/>	Work Center 2	<input type="text" value="F-102"/>
Work Center 3	<input type="text" value="R-104"/>	Work Center 4	<input type="text" value="D-E02"/>

Milliseconds to Refresh:

The Monitor allows you to see the work centers and the orders that are being worked on in each of them.

The screenshot displays the 'MAX Shop Floor Monitor' interface for 'SIM Demo Company'. It contains four data tables, each with the following columns: Employee, Name, W/C, StartDate, StartTime, Order, Oper, Op Description, Part ID, and Qty. The 'Name' column uses color coding to indicate the status of the work order: Green (ahead), Yellow (on time), and Red (delayed).

Employee	Name	W/C	StartDate	StartTime	Order	Oper	Op Description	Part ID	Qty
ALEX	ALEX	R-302	25/07/2019	141822	50000694	0010	PROCESO DE MEZC	011000	10
JUAN	Juan	R-302	29/07/2019	173456	50000677	0010	PROCESO DE MEZC	310100	205

Employee	Name	W/C	StartDate	StartTime	Order	Oper	Op Description	Part ID	Qty
1234567	JUAN	F-102	20/06/2019	223438	50000656	200	PULIDO DE TUBERIA	PP340152	100
JUAN	Juan	F-102	4/07/2019	144820	50000670	200	PULIDO DE TUBERIA	PP340154	0
ALEX	ALEX	F-102	17/07/2019	084908	50000656	200	PULIDO DE TUBERIA	PP340152	100

Employee	Name	W/C	StartDate	StartTime	Order	Oper	Op Description	Part ID	Qty
9999999	PEDRO	R-104	20/06/2019	223104	50000692	0020	SEGUNDO PROCESC	011000	30
103849	Camilo	R-104	24/07/2019	113718	50000692	0020	SEGUNDO PROCESC	011000	30
ALEX	ALEX	R-104	24/07/2019	125353	50000692	0020	SEGUNDO PROCESC	011000	30

Employee	Name	W/C	StartDate	StartTime	Order	Oper	Op Description	Part ID	Qty
ALEX	ALEX	D-E02	24/07/2019	110605	50000681	0020	EMPAQUE	20000022	0
103849	Camilo	D-E02	24/07/2019	113604	50000685	0020	EMPAQUE	20000005	246

The colors in the Employee's NAME column denote the following:

- Green:** Work Order is ahead.
- Yellow:** Work Order is son Time.
- Red:** Work Order is delayed.



For more information contact:

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