

MAX

# PLANNING SIMULATION

Make promises you can deliver.



We've embedded the Planning Simulation option in the MAX Master Scheduling and Sales Order Processing modules for carrying out "what if" ATP (available-to-promise) scenarios. Using existing MRP data, part numbers, BOMs and schedules for quicker and accurate delivery estimates, salespeople can answer customer order queries in real time without conducting a meeting.

## WITH PLANNING SIMULATION, YOU CAN:

1. Improve customer communication
2. Simulate demand quantities
3. Project on-hand balances
4. Highlight shortages and surpluses
5. Display projected ATP dates
6. Create "what if" scenarios
7. Re-use MRP data without overwriting it

ATP often costs many thousands of dollars more than core planning modules. We sell it for a fraction of that cost.

Through excellent design and reuse of the fundamental planning algorithms, the Planning Simulation option adds ATP to the MAX core functionality with no added implementation costs.

**Planning Simulation** provides your sales force with an easy-to-use tool that answers customers' most frequently asked question: "When can I have it?"

- Simulate actual demand using real parts and existing MRP conditions without affecting current WIP.
- Quick and easy to use, get an ATP date in seconds with the "click of a button."
- Provide accurate ATP dates directly to Sales Order Entry.

- Create "what if scenarios" without using complex spreadsheets.
- View Part Lead Times directly on the Consolidated Demand Grid.
- Sales people can reuse MRP data without changing MRP data.
- "Seal the Deal" by creating a Quote or Sales

## Planning Simulation Options include:

- Select to Display Surpluses, Shortages or Both
- Select to Include Purchased, Manufactured Parts, or Both
- Exclude or Include Planned Orders and Requirements
- Choose to Display Demand ONLY if Net Required > 0
- Choose to Exclude Forecast Orders at the Simulated Level

## Planning Simulation Display Highlights:

- Green: Items may be promised to ship by the displayed ATP date.
- Yellow: Warns Sales to confirm current shop workload before promising availability.
- Red: Indicates No Part Availability on the displayed ATP date, based on current supply.

Planning Simulation 2

Request Date: 10/21/2016

Simulated Demand

Part	Create Order	Quantity	Description	CPLT	ATP	Revenue
11100	<input checked="" type="checkbox"/>	10.00	Computer MAX	11/07/2016	10/03/2016	\$11691.00
11150	<input checked="" type="checkbox"/>	50.00	Fluorescent Case (LOT/SECT)	10/17/2016	10/17/2016	
11160	<input checked="" type="checkbox"/>	10.00	Computer, Midway (SN)	11/23/2016	10/03/2016	\$0.00
4	<input type="checkbox"/>	0.00				
5	<input type="checkbox"/>	0.00				
6	<input type="checkbox"/>	0.00				
7	<input type="checkbox"/>	0.00				

Affected Orders

Include	Assembly	Sales Order	Order	Date
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

Consolidated Demand / Projected Shortages

Part	Description	Net Required	Qty. OH	Proj. OH	Proj. Supply	Proj. Date	Cont.	Ext. Cont.	Start Date	Lead Time	Available Date	Cum. LTD	Parent ATP	Planner ID	Buyer
11100	Computer MAX	10.00	7.00	454.00	454.00	11/07/2016	556.241	252933.517	10/03/2016	5	11/07/2016	0	11/07/2016	PL1	
12100	System Unit	0.00	4.00	-557.00	-557.00	10/10/2016	444.802	247754.541	10/03/2016	5	10/10/2016	5	10/17/2016	PL1	
12200	Cabinet	0.00	10.00	10.00	10.00	10/10/2016	10.503	105.025	09/12/2016	5	09/19/2016	10	10/03/2016	PL1	
12500	Metal T6061	0.00	379.50	351.50	351.50	10/17/2016	20.000	219.698	09/15/2016	10	09/29/2016	25	10/03/2016	PL1	BY1
12300	Mother Board	0.00	2.00	5.00	5.00	10/10/2016	212.297	1968.496	09/12/2016	5	09/19/2016	10	10/03/2016	PL1	
13400	Microprocessor	0.00	14.00	16.00	16.00	10/17/2016	280.000	4000.000	09/29/2016	10	09/12/2016	15	10/03/2016	PL1	BY1
13700	Memory 32 MB E	0.00	8.00	6.00	6.00	10/17/2016	20.000	120.000	09/29/2016	10	09/12/2016	15	10/03/2016	PL1	BY1
13800	Printed Circuit B	0.00	41.00	538.00	538.00	10/17/2016	1.500	807.000	09/29/2016	10	09/12/2016	15	10/03/2016	PL1	BY1
13900	Resistor 100 Oh	0.00	957.00	938.00	938.00	10/17/2016	0.008	7.504	09/29/2016	10	09/12/2016	15	10/03/2016	PL1	BY1

Run a Planning Simulation to Display Projected Surpluses and Shortages based upon Simulated Demand

The MAX Planning Simulation Option adds Available-to-Promise Date visibility to the core MAX Master Scheduling and Sales Order Processing modules without additional implementation cost. This easy-to-use design provides your sales force the opportunity to project product availability based upon simulated customer demand and real time MRP data without impacting WIP.

Add the Planning Simulation Option to Your MAX System, Contact Your MAX Account Manager today!

Order Detail Inquiry3 - 12100

Part ID: 12100, Part Type: A - Normal MRP Mfg. Part, Description: System Unit

Order Detail Inquiry3 - 11000

Part ID: 11000, Part Type: M - Master Schedule Part, Description: Computer MAX

Supply (\*adj'd for scrap)

UDF Key	UDF Ref	Reference	Order	Parent Part	Type	St	Qty	Available	ATP	ATF	Date	
1			20000005-01	11000	CI	3	0.00	7.00	7.00	7.00	12/17/2004	
2			20000008-01	11000	CI	3	15.00	-8.00	-8.00	7.00	10/27/2006	
3								-5.00	-5.00	10.00	10/27/2006	
4								15.00	15.00	30.00	11/03/2006	
5			10000001	11000	FC	3	25.00	-10.00	-10.00	15.00	5.00	11/10/2006
6			20000010-01	11000	CU	3	1.00	-11.00	-11.00	14.00	5.00	12/07/2006
7			December D:	10000003	FC	3	15.00	-26.00	-14.00	-10.00	12/08/2006	
8								-11.00	-11.00	29.00	5.00	12/08/2006
9								-9.00	-9.00	31.00	7.00	12/29/2006
10								-7.00	-7.00	33.00	9.00	08/01/2016

Peg down directly to Order Detail Inquiry from Consolidated Demand for any part

For further information please call 1.855.392.2862