



MATERIAL REQUIREMENTS PLANNING (MRP)

SATISFY CUSTOMER REQUIREMENTS WHILE MAINTAINING OPTIMAL INVENTORY LEVELS USING THE POWERFUL ACUMATICA MANUFACTURING EDITION MRP PLANNING TOOL.

Generate time-phased manufacturing and purchasing plans for optimal inventory availability tied to forecast and customer demands. Reduce inventory while improving customer service and avoiding shortages.

MRP DISPLAY

- This core MRP screen shows the planner exactly what needs to be purchased and/or produced.
- All supply and demand can be viewed from this one centralized location.
- Production and Purchase Orders can be created directly from this screen.

FULL REGENERATION

- Schedule regeneration to run anytime, day or night.
- All existing planned orders for all items are eliminated.
- MRP starts over, calculating gross and net requirements, and then replans what materials are required to either be produced or purchased.

MASTER PRODUCTION SCHEDULE

- Drive your plan and your plant from the Master Production Schedule (MPS).
- MRP plans all requirements based upon MPS.
- MPS will be treated as a pre-planned production order and will act as a supply for other demand requirements.

aterial F	Requireme	nts Planning		0	Rev	vision Two HQ -	MRP Display 🔺							CUSTO	MIZATION	HEL
			Search	PU	RCHA	SE MANUFACTUR	RE TRANSFER INQUIRIES									
	•	ht	\$	c	H	×									×	•
ANAGE				ER.		Inventory ID	Description	Source	Warehouse	Base Gly	ActionDate	Promise Date	Preferred Vendor ID	Type	Reference N	be .
						AMSHEET10	Sheet Metal 10 Guage	Purchase	WHOLESALE	4.9900	11/22/2016	12/2/2016	AAVENDOR	MRP Requirement	S0003895	
Forecast Master Production Schedule						AMCIRBOARD	Circuit Board	Purchase	WHOLESALE	498.0000	11/24/2016	12/9/2016	ACITAISYST	MRP Requirement	S0003695	1
		luie				AMBLACKOYE	Black Dye	Purchase	WHOLESALE	499.0000	11/28/2016	12/2/2016	INDGLOBAL	MRP Requirement	S0003895	1
PLORE						AMRESISTOR	Resistor	Purchase	WHOLESALE		12/2/2016	12/9/2016	ACITAISYST		S0003895	i -
RP Disp						AMBASE	Base Unit	Manufac.	WHOLESALE	499.0000	12/2/2016	12/12/2016		MRP Requirement		
IP Exce	ptions					AMPUMP	Pump	Purchase	WHOLESALE	500.0000	12/5/2016	12/12/2016	PUREWATER	MRP Requirement	S0003695	1
tail Inqu	iry					AMMIREHARN	Wire Hamess	Purchase	WHOLESALE	1,000.0000	12/7/2016	12/12/2016	ELEEASTCOM	MRP Requirement	S0003695	
S Listin	9					AMPC8	Printed Circuit Board	Manufac	WHOLESALE		12/9/2016	12/27/2016			S0003895	1
ecast Li	sting					AMDRIPTRAY	Drip Tray	Purchase	WHOLESALE	499.0000	12/9/2016	12/12/2016	ASARHARD		S0003695	1
						AMSSSCREW	Stainless Steel Screw	Purchase	WHOLESALE	998.0000	12/9/2016	12/12/2016	ASARHARD	MRP Requirement	S0003695	£
						AMRESVINLT	Reservoir Inlet	Manufac.	WHOLESALE	500.0000	12/12/2016	12/27/2016		MRP Requirement	SC0003695	1
						AMFHSCREW	Flat Head Screw	Purchase	WHOLESALE	2,000.0000	12/16/2016	12/20/2016	ASARHARD	MRP Requirement	S0003695	
						AMFILTER	Internal Purifying Filter	Purchase	WHOLESALE	500.0000	12/20/2016	12/27/2016	PUREWATER	MRP Requirement	S0003695	1
						AMHZORESV	Water Reservoir	Purchase	WHOLESALE	500.0000	12/20/2016	12/27/2016	PUREWATER	MRP Requirement	S0003695	E
						AMHOUSING	Housing	Purchase	WHOLESALE	500.0000	12/22/2016	12/27/2016	CONHOMED	MRP Requirement	S0003895	i.
						AMCIRBOARD	Circuit Board	Purchase	WHOLESALE	100.0000	12/26/2016	1/10/2017	ACITAISYST	Production Material	0000003	
						AMKEURIG45	Keurig Model 450	Manufac.	WHOLESALE	500 0000	12/27/2016	3/31/2017		Sales Order	S0003695	E
						AMSINGLEHU	Single Hung Doors	Manufac	WHOLESALE	1.0000	1/19/2017	1/19/2017		Sales Order	S0003693	£
						AMSINGLEHU	Single Hung Doors	Manufac	WHOLESALE	1.0000	1/25/2017	1/25/2017		Sales Order	S0003894	E
						AMSINGLEHU	Single Hung Doors	Manufac	WHOLESALE	1.0000	2/3/2017	2/3/2017		Sales Order	S0003695	E
						AMRESISTOR	Resistor	Purchase	WHOLESALE	196.0000	2/3/2017	2/10/2017	ACITAISYST	MRP Requirement		
						AMRESISTOR	Resistor	Purchase	WHOLESALE	100.0000	2/8/2017	2/13/2017	ACITAISYST	SafetyStock		
						AL D5 BLK ABLE	D5 Black Able	Manufac	WHOLESALE	24.0000	2/10/2017	2/10/2017		Sales Order	S0003694	1
						AMPCB	Printed Circuit Board	Manufac	WHOLESALE	49.0000	2/10/2017	2/13/2017		SafetyStock		
						AMSSSCREW	Stainless Steel Screw	Purchase	WHOLESALE	200.0000	2/10/2017	2/13/2017	ASARHARD	SafetyStock		
				>		CONBABY2	Little Tikes Bold n Bright Table &	Transfer	RETAIL	7.0000	2/13/2017	2/13/2017	CONNETJENN	SafetyStock		
						AL BLK BAT CAPS	Black Battle Caps	Purchase	WHOLESALE	326 0000	3/17/2017	3/28/2017	AAVENDOR	MRP Requirement	FCST0000	100

Maintain optimal inventory levels while keeping your customers happy

DATA SHEET

KEY BENEFITS

COORDINATE ACTIVITIES

- Manage your entire business with complete, real-time information for your operations
- Coordinate labor, machines, and inventory and optimize your company's processes

STAY ON ONE PLATFORM AS YOU GROW

- Adapt the software to meet your changing needs
- Leverage powerful features and functions for multiple production environments

MRP EXCEPTION MESSAGES HANDLE PROBLEMS WITH EASE

- Shows the planner recommendations to defer, expedite, and delete supply items
- Identify late orders and display any transfers that are available from another warehouse or site





DATA SHEET

MATERIAL REQUIREMENTS PLANNING FEATURES AND CAPABILITIES

Forecasting	Forecasts can be calculated or entered manually. These forecasts can be dependent and consumed by sales orders, or can be independent. Forecasts can be input as one-time, weekly, monthly, or yearly.
MRP Detail	Review and execute the complete material plan through MRP screens that show all activity, orders, requirements, balances, and recommendations for an inventory item.
Bucketless System	Enhance your manufacturing resource planning by planning every requirement for every item. Acumatica MRP does not ignore detail by grouping requirements together.
Multi-Site Planning	Controls whether MRP will plan requirements by site or by a combination of sites.

<complex-block>

 Opennet (biology)
 Open

Handle exceptions with ease

			ISTRIBUTION CONF		JEACTURING SYS	ITEM HELP				2/13/2017	6 08 PM 👘	ADMIN
III of Material Production Management Ma	aterial Reg.	rements	Planning Estimating	Product Configurator	Dashboards							
laterial Requirements Planning	OR	avision	Two HQ + Genera	te Forecasts 🔺						cus	TOMIZATION	HELP
Type your query here Search	8 1	ROCES	55 PROCESS ALL	CALCULATE								
2 > H Q	. Error	and Dates	2/13/2017 +	Years of History	1							
PLANNING	Type		Regular +		Dependent							
Regenerate MRP	Seas	anality:		∉ Customer:	P	1						
Generate Forecasts	Grow	h Rate:	0.0000	Warehouse.	Q	1						
	Facto		1.0000	Inventory ID:	p	1						
			Calculate By Month	Item Class:	P							
	C	+ ×										
	-	• •										
	El Sele	ted	* Inventory ID	* Worehouse	* Begin Data	* End Date	Quantity		Change in Units	Percent Change	Dependent	
	Sole 3	ted	*Inventory ID AACCAIPUTO1	WHOLESALE	1/27/2017	1/26/2018	2,647.0000	EA	0.0000	0.00		
	Sele-	ted	*Inventory ID AACOMPUT01 AALEGO600	WHOLESALE	1/27/2017 1/27/2017	1/26/2018 1/26/2018	2,647.0000 6,260.0000	EA EA	0.0000	0.00		
	Selec	ted	Investory ID AACOMPUT01 AALESCOO AAMACHINE1	WHOLESALE WHOLESALE WHOLESALE	1/27/2017 1/27/2017 1/27/2017	1/26/2018 1/26/2018 1/26/2018	2,647.0000 6,260.0000 2.0000	EA EA EA	0.0000 0.0000 0.0000	0.00 0.00 0.00		
	Sele-	ted	Investory ID AACOMPUT01 AALEGO00 AAMACHINE1 AAPOWEBAID	WHOLESALE WHOLESALE WHOLESALE RETAIL	1/27/2017 1/27/2017 1/27/2017 1/27/2017	1/26/2018 1/26/2018 1/26/2018 1/26/2018	2,647.0000 6,260.0000 2,0000 3,010.0000	EA EA EA	0.0000 0.0000 0.0000 0.0000	0.00 0.00 0.00 0.00		
	Sole	led	Investory ID AACCMPUT01 AALEGOSO0 AAMACHINE1 AAPONERAD CONAIRT1	WHOLESALE WHOLESALE WHOLESALE RETAIL WHOLESALE	1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017	1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018	2,647.0000 6,260.0000 2.0000 3,010.0000 10.0000	EA EA EA EA	0.0000 0.0000 0.0000 0.0000 0.0000	0.00 0.00 0.00 0.00 0.00		
	Setter	ted	*Investory ID AACCAPUTO1 AALEGOSCO AAMACHINE1 AAPONERAID CONAIRT1 CONAIRT1 CONAIRT1	WHOLESALE WHOLESALE WHOLESALE RETAIL WHOLESALE WHOLESALE	1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017	1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018	2,647.0000 6,260.0000 2,0000 3,010.0000 10,0000 913.0000	EA EA EA EA EA EA	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.00 0.00 0.00 0.00 0.00 0.00		
)))	ted	Investory ID AACCAPUTO1 AALESOSO AAUACHINE1 AACCAVERAD CONBAR11 CONBAR11 CONBAR12	WHOLESALE WHOLESALE RETAIL WHOLESALE WHOLESALE WHOLESALE	1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017	1262018 1262018 1262018 1262018 1262018 1262018 1262018 1262018 1262018	2,647,000 6,200,000 2,000 3,010,000 50,000 913,000 724,000	EA EA EA EA EA EA EA	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.00 0.		
	5 Series	ted	*Investory ID AALES(2050) AANACHINE1 AAPCONERAD CONNAET1 CONNAET1 CONNAET1 CONNAET2 CONNAET2	WHOLESALE WHOLESALE BETAIL WHOLESALE WHOLESALE WHOLESALE WHOLESALE	1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017	1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018	2,647,000 6,250,000 2,000 3,010,000 50,000 913,000 724,000 804,000	EA EA EA EA EA EA EA	0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000	0.00 0.		
	Series		*Investory ID AACCORPUTO1 AALEGOSO AALEGOSO AAUACHINE1 ACONERAD CONEAR1 CONEAR1 CONEAR1 CONEAR1 CONEAR1 CONEAR1 CONEAR1 CONEAR1 CONEAR1	WHOLESALE WHOLESALE RETAIL WHOLESALE WHOLESALE WHOLESALE	1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017	1262018 1262018 1262018 1262018 1262018 1262018 1262018 1262018 1262018	2,647,000 6,200,000 2,000 3,010,000 50,000 913,000 724,000	EA EA EA EA EA EA EA	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.00 0.		
	Series		*Investory ID AALES(2050) AANACHINE1 AAPCONERAD CONNAET1 CONNAET1 CONNAET1 CONNAET2 CONNAET2	WHOLESALE WHOLESALE RETAIL WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE	1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017	1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018	2,047,0000 6,200,0000 3,010,0000 10,0000 913,0000 724,0000 804,0000 14,0000 14,0000	EA EA EA EA EA EA EA EA EA	0 0000 0 0000	0.00 0.		
	Serie -		*Investory ID AACCARPUTO1 AALEGOSOO AALEGOSOO AALACHINE1 AACONERAD CONBARY1 CONBARY1 CONBARY1 CONBARY3 CONBOTTLE1 CONBARY3 CONBOTTLE1 CONSTRUCT	WHOLESALE WHOLESALE BETAL WHOLESALE BETAL WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE	1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017	1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018	2,647,0000 6,250,0000 2,0000 90,0000 913,0000 724,0000 804,0000 14,0000 14,0000 244,000	EA EA EA EA EA EA EA EA EA EA EA	0 0000 0 0000	0.00 0.		
	Serie -		*Investory ID AACCARPUTO1 AALGOKOU AALGOKOU AAMACHINE1 AARCONERAD CONBARY1 CONBARY1 CONBARY2 CONBARY2 CONBARY2 CONBARY2 CONBARY2 CONBARY2 CONBARY2	WHOLESALE WHOLESALE RETAIL WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE	1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017 1/27/2017	1262018 1262018 1262018 1262018 1262018 1262018 1262018 1262018 1262018 1262018 1262018	2,647,000 6,280,000 2,000 3,010,000 913,000 724,000 804,000 14,000 14,000 24,000 16,000 10,	EA EA EA EA EA EA EA EA EA EA EA	0 0000 0 0000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		
	3		*Investory ID AACCARPUTO1 AALEGOSOO AALEGOSOO AALACHINE1 AACONERAD CONBARY1 CONBARY1 CONBARY1 CONBARY3 CONBOTTLE1 CONBARY3 CONBOTTLE1 CONSTRUCT	WHOLESALE WHOLESALE BETAL WHOLESALE BETAL WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE	127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017	1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018	2,647,0000 6,250,0000 2,0000 90,0000 913,0000 724,0000 804,0000 14,0000 14,0000 244,000	EA EA EA EA EA EA EA EA EA EA EA	0 0000 0 0000	0.00 0.		
	3		*Meeting ID AACCORDUTOS AALECOCO AAMACHINEI AACONERAD CONARTS CONARTS CONARTS CONARTS CONARTS CONARTS CONERTS CONCHIO CONCHIO2	WHOLESALE WHOLESALE BETBIL WHOLESALE BETBIL WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE	127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017	128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018	2,647,000 6,280,000 2,000 3,010,000 913,000 724,000 804,000 14,000 14,000 24,000 16,000 10,	EA EA EA EA EA EA EA EA EA EA EA EA	0 0000 0 0000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		
	3		*Investory ID AACCERPUTO1 AALESCOO AAMECHINE1 AAESOCOO CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1 CONBABY1	WHOLESALE WHOLESALE BEDAL WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE	127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017	1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018 1/26/2018	2,647.0000 6,250.0000 2,0000 3,010.0000 913.0000 724.0000 804.0000 14.0000 14.0000 24.0000 615.0000	EA EA EA EA EA EA EA EA EA EA	0 0000 0 0000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		
	5 Sole		*Meeting ID AACCORDUTOS AALECCOO AAMACHINEI ACCORDANIC CONARTS CONARTS CONARTS CONARTS CONARTS CONCREDIC CONCREDIC CONCREDIC CONCREDIC CONCREDIC	WHOLESALE WHOLESALE BETAIL WHOLESALE BETAIL WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE WHOLESALE	127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017	128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018	2,647,000 6,250,000 2,000 3,610,000 913,000 804,000 804,000 14,000 14,000 615,000 615,000	EA EA EA EA EA EA EA EA EA EA EA	0 0000 0 0000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		
	3 Sole		*Breeding ID AACCORE/UT01 AAACCORE/UT01 AAAACCOREAD CORBARY	MHOLESALE MHOLESALE RETAL MHOLESALE RETAL MHOLESALE MHOLESALE MHOLESALE MHOLESALE MHOLESALE MHOLESALE MHOLESALE MHOLESALE	127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017 127/2017	126/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018 128/2018	2,647,0000 6,200,000 3,010,0000 913,0000 913,0000 944,000 14,0000 944,000 915,0000 615,0000 645,0000	ЕА ЕА ЕА ЕА ЕА ЕА ЕА ЕА ЕА ЕА ЕА	0 0000 0 0000	000 000		

Generate highly accurate forecasts with a few clicks

THE ACUMATICA ERP DIFFERENCE

Acumatica delivers a full suite of integrated business management applications unlike any other ERP solution on the market today.

STREAMLINE OPERATIONS

Manage your business more efficiently:

- Automate processes
- Control workflows
- Access the system from anywhere on any device including mobile
- Promote collaboration with allinclusive user licensing

ADAPTABLE SOLUTION

Add and extend:

- Deploy in-house or in a private or public cloud
- Easily configure your solution to fit your needs
- Add capabilities such as CRM or data visualization at any time
- Extend to other solutions and applications beyond ERP

YOUR BUSINESS ACCELERATED

Get a single version of the truth:

- Accelerate business performance and make smarter decisions with automated processes, real-time data collection, financial analyses, and forecasting
- No per user pricing system scales as your business grows