



OpenPro ERP Software

OpenPro Application Manufacturing Standards

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Last Updated April 2023

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Introduction

Thank you for your interest in OpenPro. This Demonstration Guide is designed to orient you to the OpenPro product. The guide contains *getting started* information as well as a more detailed overview of the basic business flow. We hope you'll find the scenarios in the overview to be useful. We've loaded the same set of data used to populate the overview screen shots into the database you'll be accessing during your evaluation period.

If, after your evaluation, you would like to learn more about how we might assist your enterprise, do not hesitate to contact us at salesop@openpro.com or call 714-378-4600. And again, thank you for your interest.

On-line training processes

On the www.openpro.com website you can find our on-line training, which walks you through the processes in this manual.

Or go to <https://openpro.com/training/#container>

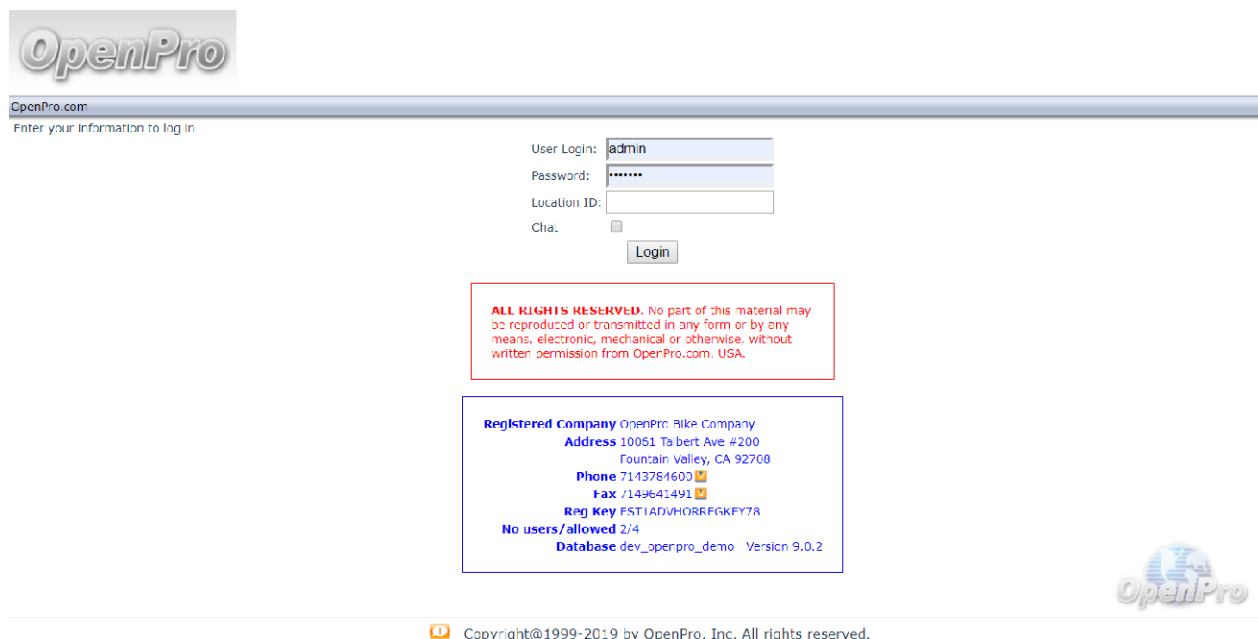
This has general information on the OpenPro ERP packages, as well as video training sessions by application.

Log in to OpenPro ERP software

Figure 1.1: Login Screen for OpenPro Client for Windows

Note

This is a fully functional OpenPro Client. It is hard-coded to access a demonstration database on our company server. Due to heavy usage we must limit the number of concurrent connections to the software. If you don't connect the first time you try, please try again later.



When logging into the OpenPro Standard Solution, you are presented with the following options:

User Login: Enter the Username we assigned you when you requested your evaluation copy.

- This will be the same Username as the Username you use to log into the OpenPro website.

Password: Enter the password we assigned you when you requested your evaluation copy.

- This will be the same password as the password you use to log into the OpenPro website. The password you type into this field will not display on your screen, but will be represented by asterisks (*) for security purposes.

Company ID: Enter the word “demo.”

Once you log in, you will notice at the top menu bar, to the far right of the screen, the following buttons are available:

LOGOUT: ends your session and brings you back to the login screen.

Note: Simply closing the web browser window will NOT log you out of the program.

HELP: Click to see detailed help information about the screen you are working on.

MANUAL: Detailed manuals about each application, including policy and procedures.

SUPPORT: Online support during normal business hours, or can be emailed at supportop@openpro.com

HOME: Takes you back to the main menu screen.

Once your Username and password have been successfully authenticated, the main application desktop will appear, as shown below.

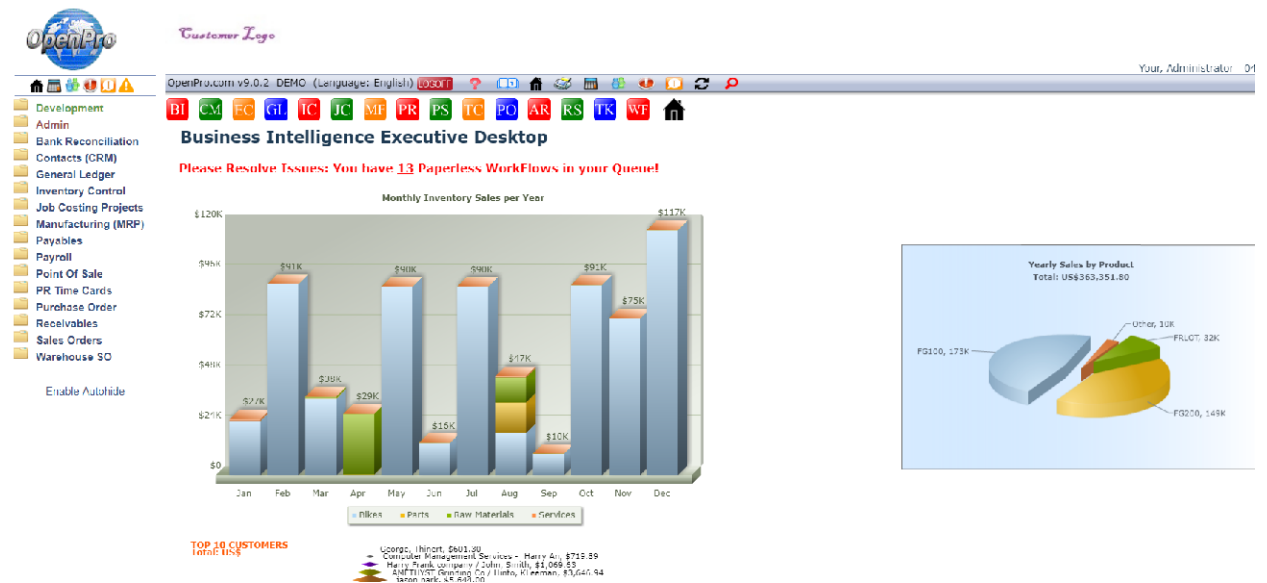
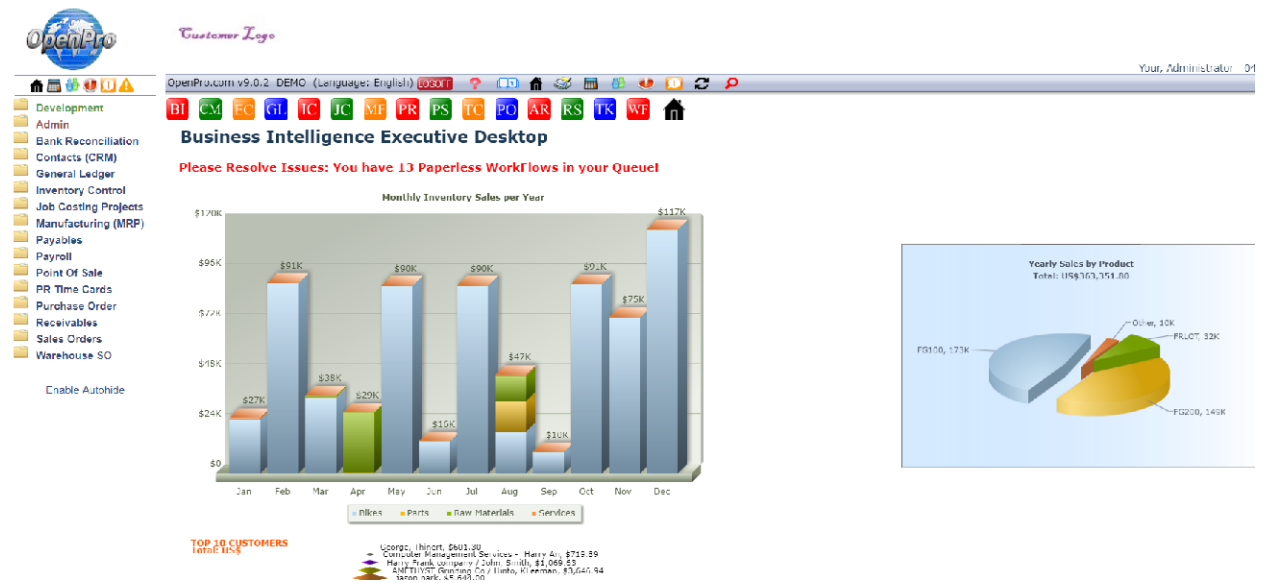


Figure 1.2: Main Application Desktop for the Windows Client

If you do not reach the application desktop, verify that you have entered your Username and password correctly. Also keep in mind that we have limited the number of concurrent sessions. Our server may be busy when you try to log in initially. Try again later and see if this corrects the problem. If you are still experiencing difficulty, visit the Frequently Asked Questions (FAQ) section of our website. Or contact Customer Service at info@openpro.com.



In the top **menu bar**, to the far left of the screen, the following buttons are available:

Printer Icon: Prints information on the screen to the right of the scroll down menu. This is used to print reports and screens. You can use right client print option as well.

Calculator: Opens an on-line 10 key calculator.

Messenger Services: This option can be used to send instant messages to anyone who is logged into the system.

! Icon: Brings up a list of incidents.

Q: Allows you to view current queues.

Info Icon: Shows your user information, IP address, and current activity.

The menu bar on the right side of the screen shows you what version of the software you are running, and who you are logged in as. This information is also stored into the database for historical purposes.

On the **application scroll down menu** section at the bottom of the menu:

Enable Autohide: This will make the menu disappear until you move the mouse over to the far left of the screen. This allows you to view more of the process on the right side of the screen and

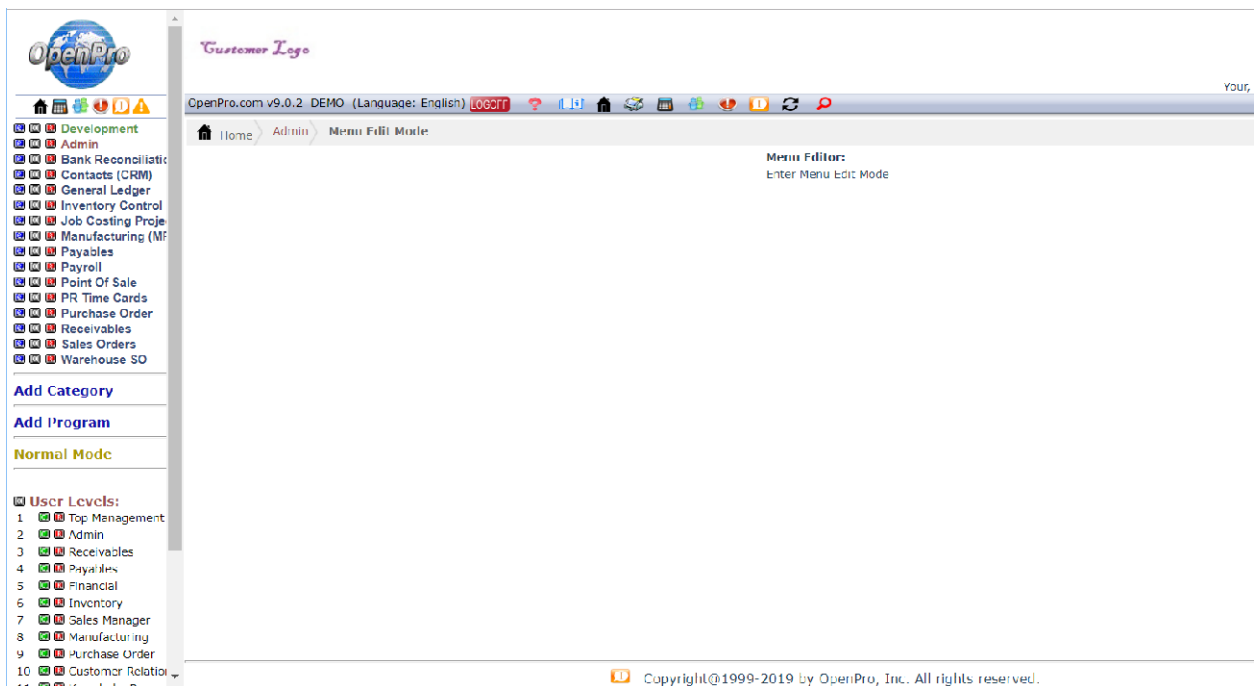
keep the menu hidden. Clicking on “Enable Autohide” will make it change to “Disable Autohide.”

Disable Autohide. This makes the menu fixed, always open and on the left side of the screen.

The Application menu is user definable; based upon your login id you can have different items on this menu.

If you login as an administrator this gives you the capability to change the menu, names of the fields etc.

The menu system is fully customizable. With the menu editor, you can add, change, and delete menu items per login type. For instance, it can be configured so that an employee in Accounts Payable can only see AP screen information.



Application Fundamentals

The OpenPro Standard Solution contains a number of fundamental features designed to simplify your use of the software. In this section, we describe those fundamentals in an effort to familiarize you with their use. Let's look first at a sample Inventory Item screen, as shown below. We will use the Item Search screen to illustrate several of the application fundamentals to be found throughout the application, across multiple screens and modules.

Go to **Inventory Control\Item Find**

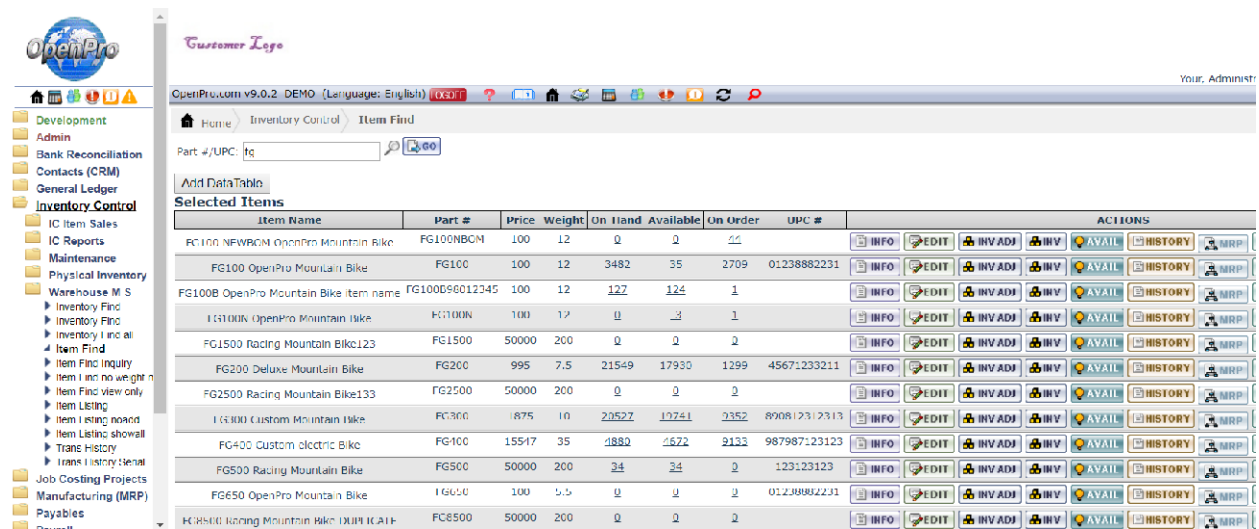
The image displays two screenshots of the OpenPro application interface. The top screenshot shows the 'Inventory Control' menu with a 'Shortcuts' section containing icons for 'Item Find', 'Reports', 'Transaction', 'History', 'Item Categories', and 'Inventory'. The bottom screenshot shows the 'Item Find' screen with various search criteria fields such as 'Item Name', 'Part #/UPC', 'Bin', 'Pallet', 'Vendor Part #', 'Vendor #', 'Min Price', 'Max Price', 'Manufacturer #', 'Min Weight', and 'Max Weight'. It also includes options for 'Status', 'Inventory Class', 'Item Category', and a 'Search' button.

Search Screen

All the screens have many different options on searching records as well as sorting the data that is displayed on the screen. Also, if you just hit the search button it will reply with all the records in the database. OpenPro ERP software has very powerful options with every search screen but has also kept the logic simple for you.

In this example we can search items by the following categories:

Name or description, part #, vendor #, price, manufacturer #, weight and UPC #. Items can also be searched by class or category. If you have multiple warehouse locations you can narrow your search down by that single location. Each field can be searched using a **% for a wild card**. Example search **%FG%** to find all items that have FG in the item name. With our advance SQL database searches are fast and easy.



The screenshot shows the OpenPro ERP software interface. The search criteria 'FG' is entered in the 'Part #/UPC' field. The search results are displayed in a table with the following columns: Item Name, Part #, Price, Weight, On Hand, Available, On Order, and UPC #. The table contains 12 rows of data, including items like 'FG100 NEWBCN OpenPro Mountain Bike', 'FG100 OpenPro Mountain Bike', 'FG100B OpenPro Mountain Bike item name', 'FG100N OpenPro Mountain Bike', 'FG1500 Racing Mountain Bike123', 'FG200 Deluxe Mountain Bike', 'FG2500 Racing Mountain Bike133', 'FG300 Custom Mountain Bike', 'FG400 Custom electric Bike', 'FG500 Racing Mountain Bike', 'FG650 OpenPro Mountain Bike', and 'FG8500 Racing Mountain Bike (XMR ICAT)'. Each row has a set of action buttons: INFO, EDIT, INV ADJ, INV, AVAIL, HISTORY, and MRP.

Item Name	Part #	Price	Weight	On Hand	Available	On Order	UPC #	ACTIONS
FG100 NEWBCN OpenPro Mountain Bike	FG100NBCM	100	12	0	0	0		INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG100 OpenPro Mountain Bike	FG100	100	12	3482	35	2709	01238882231	INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG100B OpenPro Mountain Bike item name	FG100B6012345	100	12	127	124	1		INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG100N OpenPro Mountain Bike	FG100N	100	12	0	0	1		INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG1500 Racing Mountain Bike123	FG1500	50000	200	0	0	0		INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG200 Deluxe Mountain Bike	FG200	995	7.5	21549	17930	1299	45671233211	INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG2500 Racing Mountain Bike133	FG2500	50000	200	0	0	0		INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG300 Custom Mountain Bike	FG300	875	10	20527	19741	2352	890812312313	INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG400 Custom electric Bike	FG400	15547	35	4880	4672	2132	987987123123	INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG500 Racing Mountain Bike	FG500	50000	200	34	34	0	123123123	INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG650 OpenPro Mountain Bike	FG650	100	5.5	0	0	0	01238882231	INFO EDIT INV ADJ INV AVAIL HISTORY MRP
FG8500 Racing Mountain Bike (XMR ICAT)	FG8500	50000	200	0	0	0		INFO EDIT INV ADJ INV AVAIL HISTORY MRP

Once you received the result listing you can **sort** the listing by clicking on the top header of each column that is underlined.

If you have a large result, you can search by using the **find** option on your browser (ctrl+f).

You can **print** the information by clicking on the Printer Icon from the menu bar or doing a right click print anywhere on the screen.

If at any time you want to change your search you can click on New Search or click Item Find on the left menu bar.

Application Fundamentals

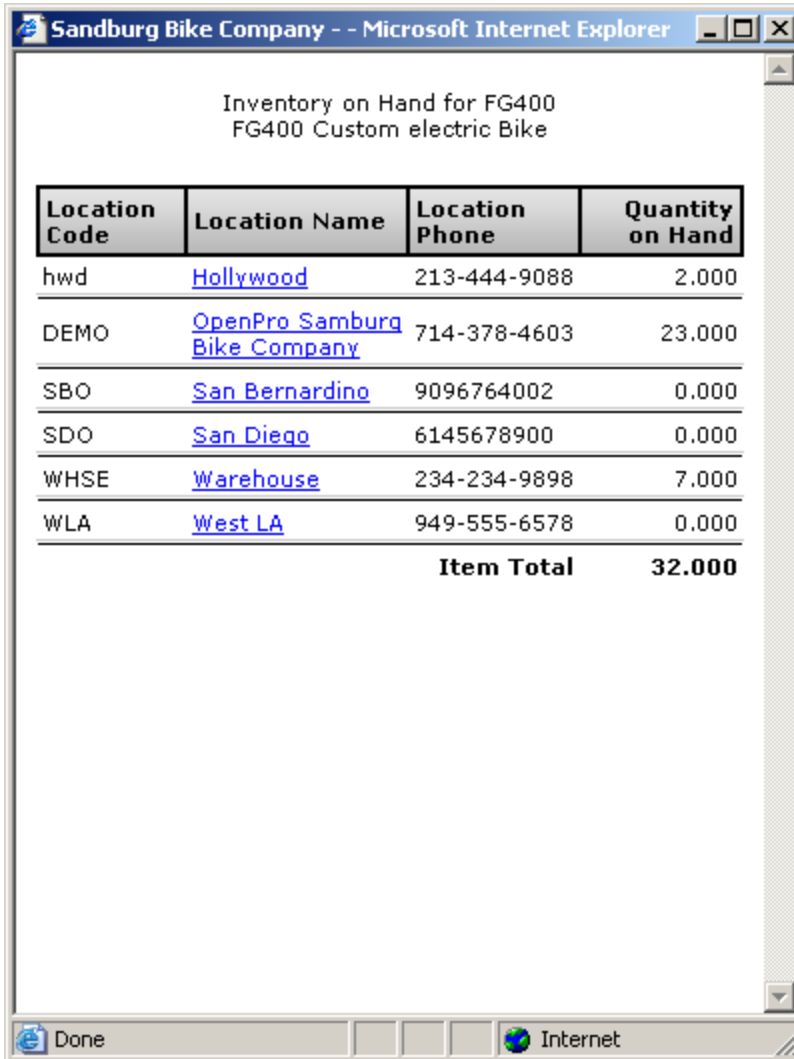
On the right side of the listing are action icons, where you can drill down into more details about this record (items).

Here is the item availability (Availability icon) screen that is used for **available to promise** for your customers.

Date	Beginning Balance	Required	Receiving	Committed
12/19/2005	19.00	<u>95.00</u>	<u>4275.00</u>	<u>7.00</u>
12/20/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/21/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/22/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/23/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/24/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/25/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/26/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/27/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/28/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/29/2005	4192.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
12/30/2005	4192.00	<u>0.00</u>	<u>500.00</u>	<u>0.00</u>
12/31/2005	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/1/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/2/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/3/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/4/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/5/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/6/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/7/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/8/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/9/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/10/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/11/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/12/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/13/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/14/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
1/15/2006	4692.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>

Application Fundamentals

Here is the **show inventory** screen (View All Inventory icon), displaying the current stock on hand at the different specified warehouse locations.





Inventory on Hand for FG400
FG400 Custom electric Bike

Location Code	Location Name	Location Phone	Quantity on Hand
hwd	Hollywood	213-444-9088	2.000
DEMO	OpenPro Samburg Bike Company	714-378-4603	23.000
SBO	San Bernardino	9096764002	0.000
SDO	San Diego	6145678900	0.000
WHSE	Warehouse	234-234-9898	7.000
WLA	West LA	949-555-6578	0.000
Item Total			32.000

Application Fundamentals

Here is the Item Edit screen (Edit icon), displaying the item and all its characteristics.

 2
 04-16-2019

Item

FG200 Deluxe Mountain Bike
 1
 Active

FG200

Ship Reference
 Sellable
 Taxable
 E-Commerce

General						
	Material	Labor	F.Overhead	V.Overhead	Outside	Total Cost
Cost	8.63500	3.75145	3.75145	1396.93000	0.00000	1413.0679

Regular
 FGItem - Finished Goods item

995.000
 990.000
 980.000
 970.000
 960.000

Bikes

Choose File No file chosen

45671233211
 Multiple UPC

Open Pro Demo company


FV200

OP

Blue
 17
 Lake

54

Description	Description 2
Deluxe Mountain Bike with wood side rails	candy apple red color



Basic Process Flow

This section is a continuation of Application Demonstration Guides I and II and is designed to introduce you to the basic process flow through the **Openpro Manufacturing Standard Solution**. We've assembled a series of related screenshots to illustrate a logical sequence of business scenarios. We hope you'll find the scenarios to be useful. Feel free to test them out yourself. Your evaluation database comes pre-loaded with the same sample data used to generate the screen shots in this section.

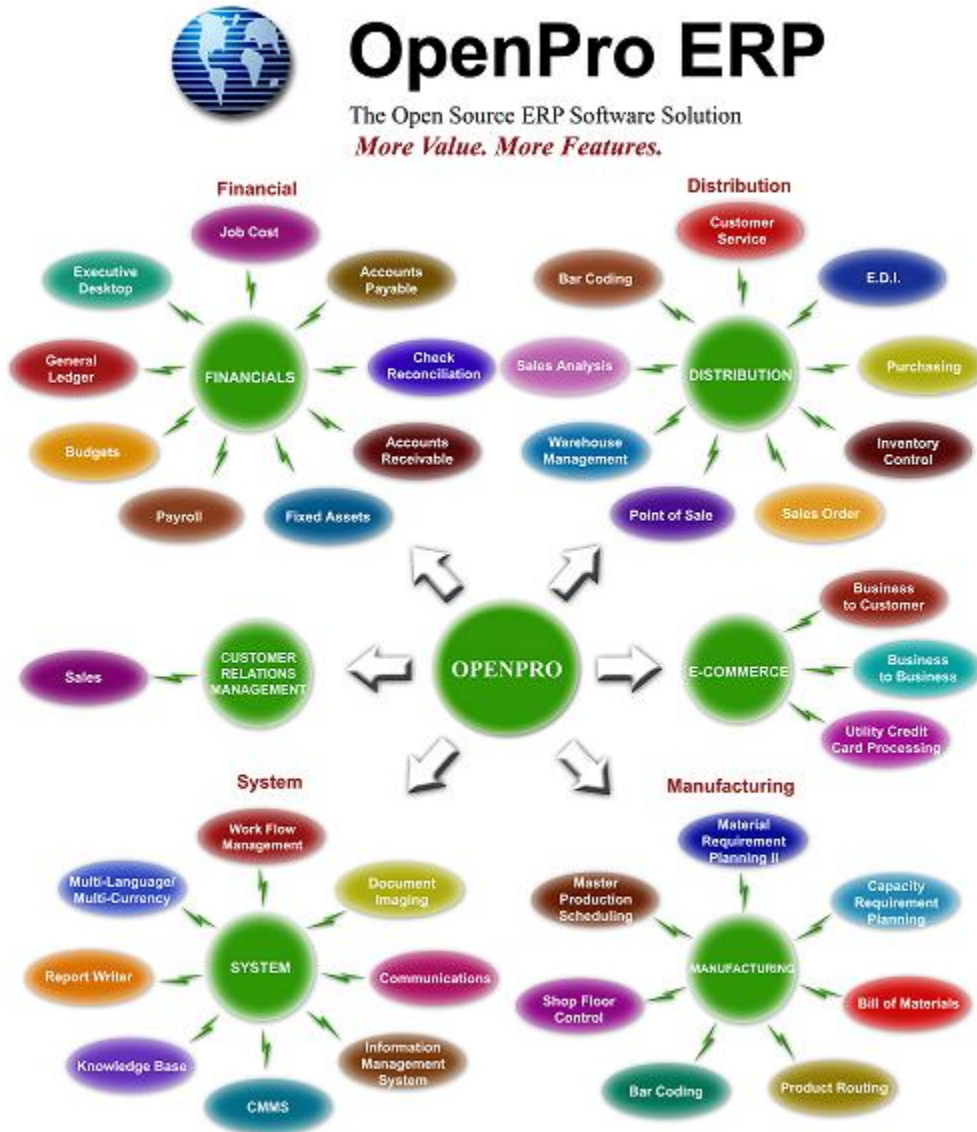
The basic flow starts with Manufacturing Bill of Materials, Routings, exploded Bills, Inventory Items Setup, Sales Order Manufacturing configurator, Work order processing and scheduling.

Key Corporate Benefits for ERP Manufacturing modules are as follows:

- Reduce Inventories, increase inventory turns and increase ability to meet clients' demand.
- Increase production capacity and improve asset use thereby reducing unnecessary capital expenditures.
- Increase profits by improving productivity and reducing cost through minimal scrap and manufacturing waste
- Catch costing trends before they happen through the automatic data checking and warning system.
- Lower cost by optimizing production
- Increase utilization through scheduling optimization
- Improve customer service with faster lead times and on-time deliveries.

Basic Process Flow

- This section shows you the overall OpenPro system data flow and integration between systems.



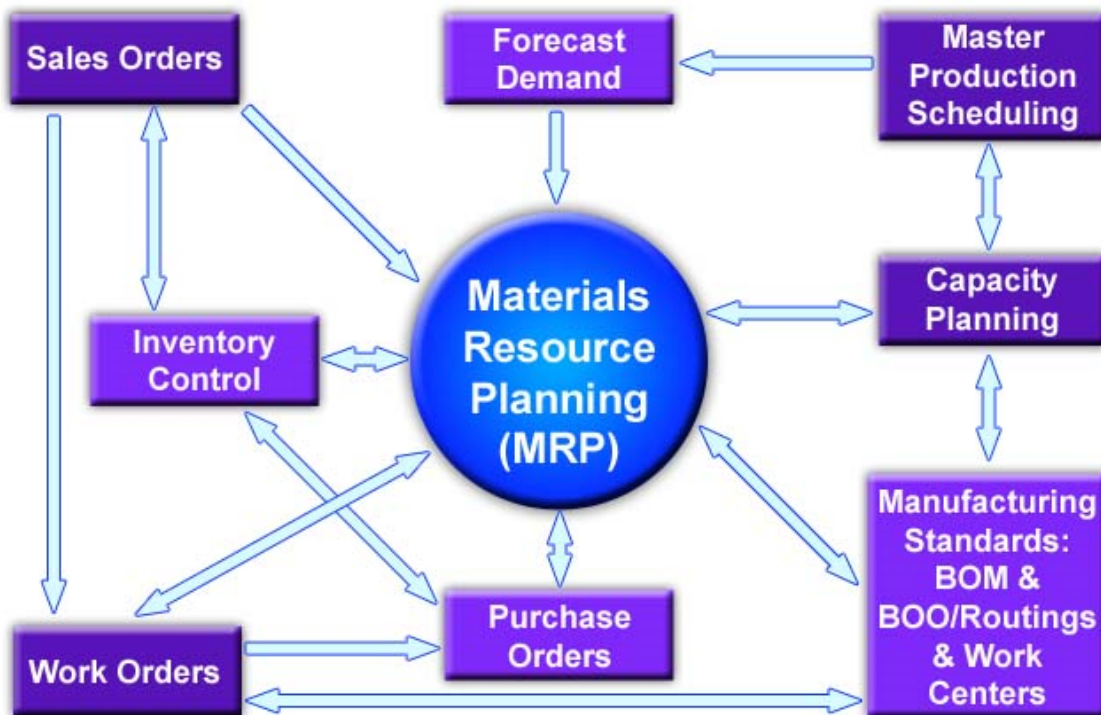
Getting Started with Manufacturing Standards setup for MRP

Before you can run MRP process you need to setup products and bill of materials and suppliers. As you can see below MRP talks to each part of the system.

In this manual we will show you how to setup inventory items, manufacturing, purchasing, forecast, sales order and then MRP.



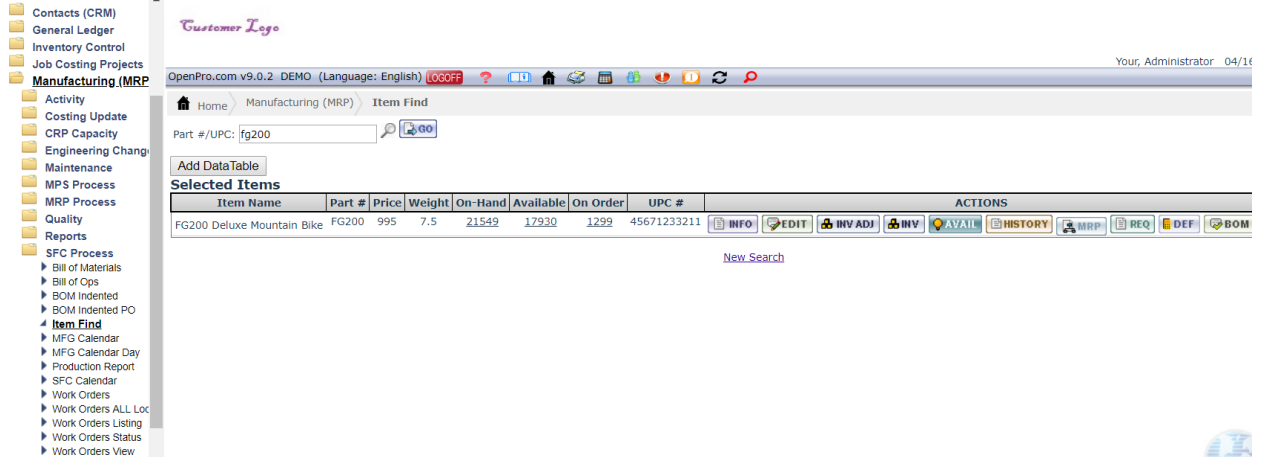
Manufacturing Process Flow



After you Login go to Manufacturing sub menu.



Item Find – for MRP you want to setup Item, BOM, BOO and Requirements page



for MRP you want to setup Item, BOM, BOO, Suppliers for purchased items and Requirements page

Item SAVE REQ DUPLICATE NOTE SEE NOTE + SCREEN WE 04-16-2019

Name FG200 Deluxe Mountain Bike **Rev #** 1 **Status** Active

Part Number FG200 **Model Number** label **Picture Preview** [Box Label Creation](#)

Ship Reference **Sellable** **Taxable** **E-Commerce** **Superceded**

BOM **BOO** **Add Supplier** **Suppliers** **Item History** **INV** **AVAIL**

General **Dimensions** **Description** **Userdef** **Pictures**

General

	Material	Labor	F.Overhead	V.Overhead	Outside	Total Cost
Cost	8.63500	3.75145	3.75145	1396.93000	0.00000	1413.0679

Inventory Tracking Regular **Inventory Class** FGItem - Finished Goods item

Price 995.000 990.000 980.000 970.000 960.000

Item Category Bikes


Image Choose File No file chosen

UPC Code 45671233211 label Multiple UPC

Manufacturer Open Pro Demo company

Mfr. Number FV200 label

Vendor Number OP label



Current Image

Item requirements page can be setup different for each location or warehouse setup.

Part #: GO

Item Location Requirements for FG200: FG200 Deluxe Mountain Bike

[Set up a new Location](#) - choose - Multiple UPC CLOSE WINDOW

Edit	Copy	Location	Reorder Quantity	Current Quantity	Planner	Order Person	Delete
Edit	<input type="checkbox"/>	DEMO: OpenPro Samburg Bike Company	22.000	21541.000	Administrator Your	Administrator Your	Delete
Edit	<input type="checkbox"/>	DROPSHIP: DROPSHIP	0.000	1.000			Delete
Edit	<input type="checkbox"/>	WHSE: Warehouse	44.000	6.000			Delete

There are several options when setting up the requirements page

Item requirements fields

Quantity Reorder Point

Economic Order Quantity

Safety Stock

MRP lot size – if you want MRP to make order sizes to a specific quantity. So if you have a product that batches are in lot size of 100 each, then you put in 100. If MRP calculates are shortage of 102 then it will make 2 lot sizes of 100. Or 200 units.

Planner and Buyer if for reporting to different groups of people.

Lead time to receipt is used for scheduling work orders (days)

Planning time window in days, this says it will take 3 days to plan on a work order for this item.

Replacement Method – if an item is manufactured should be make if purchased it should be purchased if both the make it the one that is most likely happen.

MRP type – says this product is used in MRP planning

MRP uom – if you want to change the base UOM of an item.

Item Requirements

Item FG200: FG200 Deluxe Mountain Bike
Location DEMO: OpenPro Samburg Bike Company

Quantity Reorder Point	22.000	Planner	101: Administrator Your
Economic Order Quantity	31.000	Buyer	101: Administrator Your
Inventory Frequency (ABC Analysis)	Weekly	Lead Time from order to Receipt (days)	1
Safety Stock	5.000	Planning Time Window	3
Shrinkage %	2.0000	Replacement Method	<input checked="" type="radio"/> Make <input type="radio"/> Purchase
Last Inventory Date	07/18/2004	MRP Type	MRP
Maximum order quantity	0.00000	Reorder Formula	
Default Bin	BIN3	Store Pack	0.00
MRP Lot Size	0.000	MRP UOM	- choose -
Variability		Base Demd	
Price Sens		Stock Sens	

Multiple UPC

SAVE

Getting Started with Manufacturing Bill of Materials

Try clicking on “Bill of Materials” first, using FG100 as an example of an item number.

The screenshot shows the OpenPro Manufacturing Bill of Materials (BOM) interface. The interface is divided into several sections:

- Navigation Menu:** Located on the left side, it includes options like Development, Admin, Rank Reconciliation, Contacts (CRM), General Ledger, Inventory Control, Job Costing Projects, Manufacturing (MMP), Activity, Coding Update, ERP Capacity, Engineering Change, Maintenance, MPA Process, ERP Process, Quality, Reports, and SFC Process.
- Header:** Displays 'Customer Logo' and 'OpenPro v9.0.0 DEMO (Language: English)'. The user is identified as 'Yous, Administrator' on '11/27/2018 09:53:3'.
- Main Content Area:**
 - Part Information:** Part: FG100, build, Part # FG100, Name: FG100 OpenPro Mountain Bike, Description: FG100 OpenPro Mountain model This is more detail for this item.
 - Unit of Measure:** Unit: Pch, Type: Build.
 - Plan Information:** Name: [empty], Begin Date: [empty], End Date: [empty].
 - Plan Location:** Browse... No file selected. Show Current.
 - Actions:** REMOVE, UP, DOWN, ADD, SAVE, DUPLICATE, NOTE, SEE NOTE, SCREEN.
 - BOM Table:** A table with columns: S/L, Seq No, Part Number, Description, UOM, Issue, Quantity Per, Scrap Percent, Effective Date, Expire Date, ECN No, Reference No, Bill of Operations Reference, and Config Link. The table shows three levels of BOM items:

S/L	Seq No	Part Number	Description	UOM	Issue	Quantity Per	Scrap Percent	Effective Date	Expire Date	ECN No	Reference No	Bill of Operations Reference	Config Link
10	01	D1000	Special Roll Metal	each	Build	10.0000	10.0000	07/30/2014			10	20 Fineness Copper Plating	None
20	01	S1000	RAW STEEL BARS	Pound	Build	1.15000	10.0000	07/30/2014				10 Fineness Copper	None
40	01	S1000	RAW WOOD 1 X 4	Each	Build	1.50000	0.0000	07/30/2014			14	10 Etc Copper	None
50	01	S1000	METAL HANDLE	Each	Build	1.00000	0.0000	07/30/2014				10 Etc Copper	None

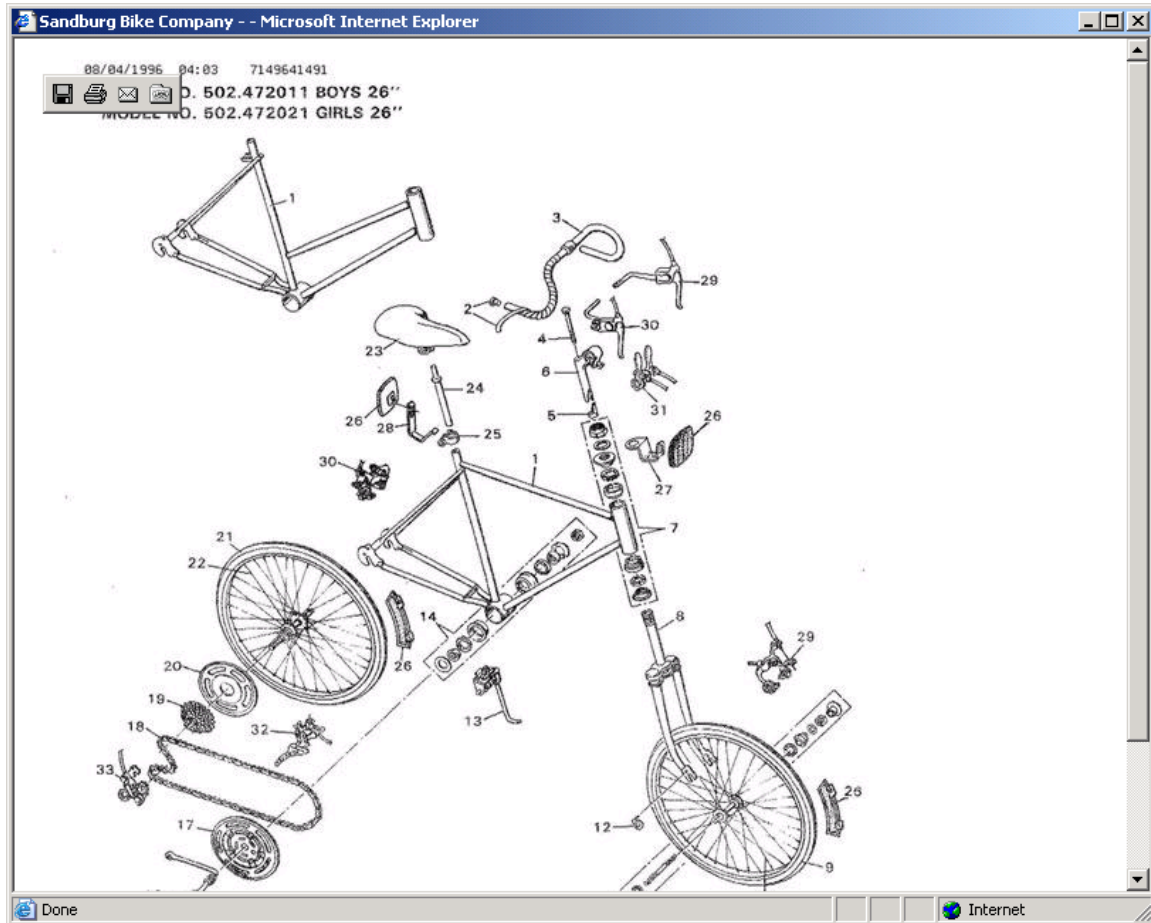
OpenPro Bill of Material features include:

- * unlimited number levels of bill of material.
- * “quantity per” can be up to 5 decimals to the right of the decimal place.
- * handles phantom bills, soft bills, flow through bills, and back flushing.
- * keeps track of scrap percent and costing, based upon both the engineering standard and actual.
- * uses Engineering change control (ECN) to maintain bills of materials.
- * can show pictures of the engineering drawing.

OpenPro has built-in complete manufacturing bill of materials that also integrates with the configurator.

Getting Started with Manufacturing Bill of Materials

With the Bill of Materials attached can be the engineering drawing from a cad/cam system.



Getting Started with Manufacturing Bill of Operations or labor Routings

From the Manufacturing (ERP) menu select Bill of Operations, and enter in FG100 as an example. The system will display the following BOO or product routing records.

You can open up the details of each operation and see details records by selecting an operation and clicking the icon on the right side of the screen.

Seq	Sequence No.	Standard Operations	Work Center	Machine	Description	Date	Quantity	Setup	Run Time	Time Entry	Rate	Labor	Direct Labor	Update Operations	
01	10	ROCKING UP	040202	04	Roll frame a seat into place, be sure handling and handle mounting according to spec. 02-1000	3.00	Always	Always	1.00000	10.00000	19.00000	14.72	2.28	2.22	[DETAIL]
02	20	CRANK FIRM	040202	04	Adjust crank to the frame.	3.00	Always	Always	15.00000	6.00000	19.00000	13.33	1.11	1.78	[DETAIL]
03	30	CRANK CASE	040202	04	Assemble the crank body with the wheel assembly, crank of crank axle.	3.00	Always	Always	3.00000	3.00000	19.00000	11.32	0.88	6.14	[DETAIL]
04	40	QUALITY CONTROL	040202	04	Inspection of the final product.	3.00	Always	Always	1.00000	1.00000	19.00000	16.22	0.41	6.22	[DETAIL]
05	50	POSTCHECK	040202	04	Final check in finished product, make no further work, tag product and get ready for shipping.	3.00	Always	Always	2.00000	2.00000	19.00000	12.22	1.43	1.32	[DETAIL]
									29.00	22.00	(minutes)	617.41	4.34		

Bill of Operations or Routing specifies the tools, work centers and labor required to complete a certain task. Task are like assembly, Paint, etc.

ASSEMBLY

TAPE AND PLUGS

NOTE
A piece of adhesive tape may be used to start wrapping.

- Start tape 50 mm (2 inches) on each side of stem.
- Start by wrapping tape one or two times around Handlebar.
- Wrap toward end of Handlebar making sure tape is tightly wrapped. Each layer should overlap the previous one.
- At end of Handlebar, push remainder of tape inside Handlebar and secure with plug.

REFLECTORS

REAR REFLECTOR
Attach rear reflector to rear reflector bracket with hex nut. Be sure that both reflector studs are in the reflector bracket with the short stud above the long stud. Be certain reflector faces directly to the rear.
Note: On some models a wing nut is used instead of a hex nut to secure the reflector. Reflector should face directly to the rear.
Viewed from the side, be sure reflectors are vertical. NOT tilted upward or downward.

WHEEL REFLECTOR

- Put reflector within the spoke cage, i.e. between the spokes on each side of the rim.
- Starting near the center of the wheel, attach the clamps to adjacent spokes on the SAME side of the wheel. (Use a screwdriver to open clamps slightly if necessary to assist you in the installation.)
- Slide Reflector toward wheel rim as far as possible.
- Do not force installation or overtighten clamps.

WARNING
Do not operate this bicycle without a reflectorization in place and in Functional Condition.

SEAT POST AND CLAMP

- If not installed, install seat post clamp to frame being sure that top of seat post clamp is 3.2 mm (1/8 inch) below the top of the bicycle frame tube. The slot in the rear of frame tube should be centered in the open end of the seat post clamp.
- Install bolt so that the square base under the bolt head is seated in the square hole in the seat post clamp. Put nut on bolt but do not tighten until seat post is inserted and adjusted to the correct height.
- Insert seat post into bicycle frame tube. The seat post insertion mark must not show at the correct height. This will insure that at least 63.5 mm (2 1/2 inches) of the seat post is engaged within the bicycle frame.

MRP processing demand – sales order and forecast processing

From the menu select Sales Orders, Add Order. Search for a customer then select New Order.

The screenshot shows the 'Add order' page in the OpenPro v9.0.0 application. The left sidebar contains a navigation menu with 'Sales Orders' selected. The main content area shows a table of customers and a search form.

Name	Reference #	Company	Phone #	City, State	Actions
	2002012	C.E.J. ROOFING		WINTHROP LAKE, NC	[NEW ORDER] [MORE INFO] [CHANGE] [INVOICES]
	3428	CUTLER LIGHTING COMPANY		WEBSTERVILLE, SC	[NEW ORDER] [MORE INFO] [CHANGE] [INVOICES]
A222AAAAA, FT 400		CCC	1111111111		[NEW ORDER] [MORE INFO] [CHANGE] [INVOICES]
Mathers, Harry	45EHR	Computer Bikes Services LLC	18005320593	Fountain Valley, CA	[NEW ORDER] [MORE INFO] [CHANGE] [INVOICES]
Smith, Frank	6	Cocanac Oil U St CO	17147642140	Fountain Valley, CA	[NEW ORDER] [MORE INFO] [CHANGE] [INVOICES]
Smith, Joe	401	Computer Management Services	1001001059	Westbrook, CT	[NEW ORDER] [MORE INFO] [CHANGE] [INVOICES]

Find Customer
[Click a new Customer Here](#)
 Last Name: _____ Order Type: Phone Order
 First Name: _____ City: _____
 Address: _____ State: _____
 Company: _____ ZIP: _____
 E-Mail Address: _____ Store: ALL
 Customer Reference # _____ Tax ID # _____
 Date of Birth: _____
 Phone Number: () - _____
 Cell Number: () - _____
 Ship to: _____
 Search [] Fax []

Select the Bikes category at the bottom of the page and click on the FG100 details link; see the add-on configured items below.

The screenshot shows the 'Add order' page for a selected customer. The page displays a list of items and a 'Warehouse -- Bikes' section.

Keep	Line Item	Type	Item Name	Part #	Quantity	Details	Discount	Unit Price	Total Price	
<input checked="" type="checkbox"/>	0001	+	ACTIV	FG100 OpenPro Mountain Bike	FG100	1.00 Each	8	0.00	90.00000	-144.93%GP
<input checked="" type="checkbox"/>	0002	+	ACTIV	FG200 Deluxe Mountain Bike	FG200	1 Pound	10	0	990.00000	94.56%GP

update Place Order Invoice Order
 Shipping: UPS - 2 day Air 2 Day Air - 10.00
 Tax Code: CAOR - CALIFORNIA ORANGE COUNTY
 Total Price: 1,080.00 Total Cost: 1,790.20 Total Profit: 1,741.94 GP%: 13.52 Total Qty: 2 Total Volume: 47,916.00 Total Cases: 2 Total Pallets: 2 Total Weight: 20 Rebate: 0.00 Grand Total: US\$1,247.74
 Warehouse -- Bikes
 Add to Cart FG100 OpenPro Mountain Bike Part Number: FG100 Price: 100.00 Manufacturer: OpenPro Toy Company 1 UPC Code: 01238882231 Weight: 12.000 Retail Value: 100.00 Mfr. Number: Manufacture# Stock: 3154

MRP processing demand – Demand creation MPS and forecast processing

Forecast can be imported or entered into the system

Forecast will generate demand for future requirements that MRP will plan for.

The screenshot displays the OpenPro software interface. On the left is a navigation menu with categories like Development, Admin, Bank Reconciliation, Contacts (CRM), General Ledger, Inventory Control, Job Costing Projects, Manufacturing (MRP), MRP Process, Quality, Reports, and SFC Process. The 'Forecasts' option under 'MRP Process' is selected. The main content area shows 'Forecasts Details' with a table of forecast data. The browser address bar indicates 'OpenPro.com v9.6.5 DEMO (Language: English) LOGOFF'.

Edit	Copy	Name	Part Num	Date	Location	Quantity	Forecast Year	Notes	Delete
Edit	Copy	fg200	fg200	06/21/2023	OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200	07/31/2022	OpenPro Samburg Bike Company	300	r - 2022		Delete
Edit	Copy	fg200	fg200	08/21/2022	OpenPro Samburg Bike Company	300	r - 2022		Delete
Edit	Copy	fg200	fg200	07/21/2022	OpenPro Samburg Bike Company	300	r - 2022		Delete
Edit	Copy	fg200	fg200	09/02/2022	OpenPro Samburg Bike Company	300	r - 2022		Delete
Edit	Copy	fg200	fg200	06/12/2023	OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200		OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200	06/21/2023	OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200	11/21/2023	OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200	06/21/2023	OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200	06/12/2023	OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200	07/31/2023	OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200	06/30/2023	OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200	07/21/2023	OpenPro Samburg Bike Company	300	r - 2023		Delete
Edit	Copy	fg200	fg200	09/12/2022	OpenPro Samburg Bike Company	300	r - 2022		Delete

[New Search](#)

Getting Started with Manufacturing Work Order Processing

Work orders are auto generated by MRP but in the status of MRP Planned. When you want to make a work order live you change the status to WIP or Firm Plan

The screenshot shows the OpenPro Manufacturing Work Order Processing interface. The sidebar on the left contains various navigation options, including Development Orders, Admin, Bank Reconciliation, Contacts (CRM), General Ledger, Inventory Control, Job Costing Projects, Manufacturing (MRP), Activity, Coating Update, CRP Capacity, Engineering Change, Maintenance, MRP Process, MRP Process, Quality, Reports, SFC Process, Bill of Materials, BOM Tree, SCM Orders, SCM Orders PO, Sales PO, MFG Calendar, MFG Calendar Day, Production Report, SFC Order, Work Orders, Work Orders ALL Locations, Work Orders ALL Location BOM, Work Orders Summary, Work Orders Listing, Work Orders Aging Tree, Work Orders all stock, Work Orders Status, Work Orders View, Payables, Point Of Sale, PR Time Cards, and Purchase Order.

The main area displays the 'Work Orders' table with the following data:

Work Order #	Item #	Item Name	Work Order Quantity	Qty	Work Order Start	Work Order Due	Creator Representative	Sales Order	Order Status	Warehouse	Priority	Sales Quantity	Type	Lab Rate	Company	Name
edit 2281	FG100	FG100 OpenPro Mountain Bike NSMC	100	09	07/06/2023 00:30:00	07/29/2023	Administrator Your		W.I.P.	DEMO	High	0	Build			
edit 2282	int124	int124	11	11	09/12/2023 00:30:00	10/02/2023	Administrator Your		W.I.P.	DEMO	High	0	Build			
edit 2283	MY00	Make your own bike	10	10	10/29/2023 00:30:00	11/07/2023	Administrator Your		W.I.P.	DEMO	High	0	Build			
edit 2284	int124	METAL HANDLE	10	10	09/12/2023 00:30:00	10/02/2023	Administrator Your		W.I.P.	DEMO	High	0	Build			
edit 2287	int1200	METAL HANDLE	10000	10000	09/14/2023 00:30:00	10/15/2023	Administrator Your		W.I.P.	DEMO	High	0	Build			
edit 8687	FG100	FG100 Custom Mountain Bike	10	10	06/27/2023 00:30:00	08/06/2023	Administrator Your		W.I.P.	DEMO	Standard	0	Build			
edit 6620	FG400	Custom ves.Lus. Dite	50	50	06/27/2023 00:30:00	07/15/2023	Administrator Your		W.I.P.	DEMO	Standard	0	Build			
edit 9686	int111	Lot Control - High metals Lot Control - High metals	20	20	06/27/2023 00:30:00	11/29/2023	Administrator Your		W.I.P.	DEMO	Standard	0	Build			
edit 9731	FG300	FG300 Custom Mountain Bike	100	100	07/04/2023 00:30:00	07/29/2023	Administrator Your		W.I.P.	DEMO	Standard	0	Build			
edit 9732	FG300	FG300 Custom Mountain Bike	50	50	07/19/2023 00:30:00	08/24/2023	Administrator Your		W.I.P.	DEMO	Standard	0	Build			
edit 0812	FG300	FG300 Custom Mountain Bike	10	8	07/19/2023 00:30:00	07/29/2023	Administrator Your		W.I.P.	DEMO	Standard	0	Build			
edit 8689	int100	int100 OpenPro Mountain Bike NSMC	100	40	07/18/2023 00:30:00	08/17/2023	Administrator Your		W.I.P.	DEMO	High	1	Build	6	Company: DE	Franc Smith

Getting Started with Manufacturing Work Order Processing

By clicking on Edit, you can see the details of the work order.

Work order : 1345

Type: Build

Part #: FG200 Revision #: 1

Name: FG200 Deluxe Mountain Bike

Description: Deluxe Mountain Bike with wood side rails

Dimensions: Width: 22.00 Height: 33.00 Depth: 33.00

Customer: Coconut Oil Dist CO [Change Customer](#)

Reference #: ISO: 8207 Line: 0002 [Change Order](#)

Unit of Measure: Feet

Warehouse: DEMO-OpenPro Samburg Bike Company

Created by: Administrator Your

Planner: Your Administrator

Creation Date: 11/27/2018

Status: W.I.R. [Edit / View Bill of Materials](#) [Material Shortages](#)

[Bill of Materials](#) [Edit / View Bill of Operations](#)

[Bill of Operations](#) [Revision #](#)

[Generate Pick List](#) [Generate Routing](#) [Generate Traveler](#)

Lead Time: 1

Quantity Ordered: 12.0000

Quantity Completed: 0.0000

New Quantity Completed:

Due Date: 12/02/2018

Start Date / Time: 12/01/2018 00:00:00

Completed Date:

Priority: High

Issue By:

Issue Date:

Heat No:

Heat Code:

UserDefines5:

[Production Notes](#) [COST](#) [Tasks](#) [NOTE](#) [SEE NOTE](#) [Scrap Items](#) [+ SCREEN](#)

Color: Blue Size: 17 Style: Lake Height: 54

[SAVE](#)

You can also use the links to see details of the BOM and BOO.

Bill of Materials for Work Order # 71, item FG200

SEL	Seq No	Part Number	Description	UOM	Issue Method	Qty Per	Projected Quantity	Scrap Percent	Actual Quantity	Actual Scrap	Ref No
<input type="radio"/>	10	d1000	D1000 Special Roll Metal	Each	Call	15.50	0.00	10.00	0.00000	0.00000	
<input type="radio"/>	20	RM1200	METAL HANDLE	Each	Call	1.00	0.00	0.00	0.00000	0.00000	
<input type="radio"/>	30	RMSTEEL	RAW STEEL BARS	Pound	Call	4.13	0.00	10.00	0.00000	0.00000	
<input type="radio"/>	40	RM2001X4	RAW WOOD 1 X 4	Feet	Call	3.50	0.00	0.00	0.00000	0.00000	
<input type="radio"/>	50	RM1001	SHEET METAL	Pound	Call	4.00	0.00	0.00	0.00000	0.00000	

The system gives you the capability to build immediate purchase orders for raw materials in short supply.

When the work order is completed, the shipping department will be notified that the sales order is ready for shipping.


Getting Started with Manufacturing Work Order Processing


From the work order you can print the manufacturing traveler and the material pick list below.

Sandburg Bike Company - - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Manufacturing Routing

Work Order #: 9 

Item: FG100 
 FG100 OpenPro Mountain Bike FG100 OpenPro standard model This is more detail for this item


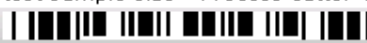

Warehouse: DEMO OpenPro Samburg Bike Company Date: 06/04/2004

Unit of Meas.: Each Status: W.I.P.

Qty Ordered: 5.00 Start Date: 05/10/2006

Qty Completed: 0.00 Due Date:

Customer: joe Smith Reference: 904451


Seq. #	Wrk Center Std Oper.	Description	Tooling Reference	Labor Group	Setup Total Run Total	Setup Remain Run Remain
						
10	Cutting Mill	Cutting metal Edge Mill Operations	large Gold Racks		2.00 5.00	2.00 5.00
Instructions: - Setup machine for program CUT BED FG100 - Run test sample size (2) - Q.C test sample size - Process cutter Take sheets of Metal and cut into 2.5' by 4.2"						
						
20	Cutting Mill	Cutting metal Edge Mill Operations			22.43 172.20	11.49 172.20
Instructions: ertertter wergtewr						
						
30	BEND Mill	Metal Shaping (Press) Edge Mill Operations	Film Developer		43.66 270.00	43.66 270.00
Instructions: asdfasdfasdf						


Production Notes

Sandburg Bike Company - - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Manufacturing Routing

Work Order #: 9 

Item: FG100 
 FG100 OpenPro Mountain Bike FG100 OpenPro standard model This is more detail for this item




Warehouse: DEMO OpenPro Samburg Bike Company Date: 06/04/2004

Unit of Meas.: Each Status: W.I.P.

Qty Ordered: 5.00 Start Date: 05/10/2006


Qty Completed: 0.00 Due Date:

Customer: joe Smith Reference: 904451

Seq. #	Wrk Center Std Oper.	Description	Tooling Reference	Labor Group	Setup Total Run Total	Setup Remain Run Remain
						
10	Cutting Mill	Cutting metal Edge Mill Operations	large Gold Racks		2.00 5.00	2.00 5.00
Instructions: - Setup machine for program CUT BED FG100 - Run test sample size (2) - Q.C test sample size - Process cutter Take sheets of Metal and cut into 2.5' by 4.2"						
						
20	Cutting Mill	Cutting metal Edge Mill Operations			22.43 172.20	11.49 172.20
Instructions: erteter wergtewr						
						
30	BEND Mill	Metal Shaping (Press) Edge Mill Operations	Film Developer		43.66 270.00	43.66 270.00
Instructions: asdfasdfsdf						

Production Notes

Also can keep track of cost and profit from processing work order.
 As you can see below we show Engineered cost (Planned) and Actual Cost (from activity entry, material issued, scrapped, labor clock in and out).

 [LEARN](#)

Costs for Work Order # 1345, item FG200, Quantity: 12.0000 , Quantity Completed: 0.0000

Material Costs

Sequence No	Part	Unit Cost	Planned	Actual	Difference	% Difference	Quantity
10	RM1001 SHEET METAL	6.20	74.40	0.00	-74.40	-100.00%	0.00
20	RM1200 METAL HANDLE	0.30	3.60	0.00	-3.60	-100.00%	0.00
30	RMSTEEL RAW STEEL BARS	5.04	60.46	0.00	-60.46	-100.00%	0.00
40	RM2001X4 RAW WOOD 1 X 4	2.31	27.72	0.00	-27.72	-100.00%	0.00
50	RMPHANTOM Raw Material Phantom Bill	0.00	0.00	0.00	0.00	0.00%	0.00
60	d1000 D1000 Special Roll Metal	28.03	336.34	0.00	-336.34	-100.00%	0.00
70	d1000 D1000 Special Roll Metal	11.94	143.22	0.00	-143.22	-100.00%	0.00
Direct Total		53.81	645.74	0.00	-645.74	-100.00%	
Total Material Cost		53.81	645.74	0.00	-645.74	-100.00%	

Labor Costs

Sequence No	Operation	Work Center	Unit Cost	Planned	Actual	Difference	% Difference
20	Etch Copper	Cutting	0.60	8.49	0.00	-8.49	-100.00%
40	Quality Control Inspection	QC - San Sdgo	0.00	0.02	0.00	-0.02	-100.00%
50	DYEING	Paint wc	2.71	22.88	0.00	-22.88	-100.00%
60	Chassis Assembly	Package WC	0.44	5.00	0.00	-5.00	-100.00%
Direct Total			3.75	36.38	0.00	-36.38	-100.00%
Fixed Overhead			3.75	54.58	0.00	-54.58	-100.00%
Total Labor Cost			7.50	90.96	0.00	-90.96	-100.00%

Labor Machine Costs

Sequence No	Operation	Work Center	Unit Cost	Planned	Actual	Difference	% Difference
10	Edge Mill Operations	Bending	1.12	9.53	0.00	-9.53	-100.00%
30	Electroless Copper Plating	Bending	4.06	17.20	0.00	-17.20	-100.00%
Direct Total			5.18	26.73	0.00	-26.73	-100.00%
Fixed Overhead			7.77	40.09	0.00	-40.09	-100.00%
Total Labor Machine Cost			12.96	66.81	0.00	-66.81	-100.00%

Getting Started with Manufacturing Purchase Order Processing

The purchase order is created by going to “Purchase New” under the Purchase Order menu. Select a vendor, and click on New PO. Choose items and quantities to purchase and specify the Required Date. Click on Place Order to finalize the purchase.

Purchase Order# 1434 Requisition Number: 1149 Status: Open [Close] Revision: 3 [DUPLICATE](#) [NOTE](#) [SEE NOTE](#) [+SCREEN](#) [WE](#) [Print Requisition](#) [Print PO](#) [Print Packing Slip](#) [?](#)

Steel, John Metal Supply Company 1000 123 Real Metal Lane
 Show Details Language : ENG Currency : FDI Vendor Printed Date: 10/01/2018 EDI Transactions [HISTORY](#) [TRACKING](#)

- Purchase Order Information

Select Order Notes: Select

Order Notes:

U.D. fld 1: special notes
 U.D. fld 2:

Buyer: You: Administrator PO Type: Purchase Order Regular
 Planner ID: -- choose -- Store: DEMO-OpenPro Samburg
 Approved By: You: Administrator Ship Method: FEDEX - Special delivery
 Approved Date: 05/04/2018 (MM/DD/YYYY) Ship To Location:
 Requisition Date: 10/01/2018 Ship Terms: SHIPC - Ship Complete
 Required Date: 10/01/2018 Drop Ship Ship to one location
 Cancel Date: Confirm Date: Customer Purchase Order:
 Payment Terms: net30 / payable net 30
 Material Status: Ordered Sent
 Follow-up Date:

Total Units: 5,001 Weight: 0.00 Cube: 3.00 Cases: 0.00 Pallets: 0.00

Line Item#	Item Name	Part Number	UOM	Due Date	Notes	History	Service	Freight To	Quantity Ordered	Quantity Received	Unit Cost	Extended Amount
1 - FRL0T	Lot Controlled Finish Reamer	FRL0T	Each	10/01/2018	NOTES	HISTORY	G	TRUCK	1000.00000	234.00000	1.00000	1000.00
2 - FR-OTDATE	FR Lot controllec anc exp date	FRLOTDATE	Each	10/01/2018	NOTES	HISTORY	G	TRUCK	1000.00000	234.00000	1.00000	1000.00
3 - RMI CT1	Int Control RM Metal	RMI CT1	Each	10/01/2018	NOTES	HISTORY	G	TRUCK	1000.00000	234.00000	1.00000	1000.00
4 - lot123	lot:123	lot123	Each	10/01/2018	NOTES	HISTORY	G	TRUCK	1000.00000	234.00000	10.00000	10000.00
5 - Lotrm1	Lot Controlled raw mat 1	Lotrm1	Each	10/01/2018	NOTES	HISTORY	G	TRUCK	1000.00000	234.00000	13.25000	10250.00
6 - Lotrm2	Lot Controlled RM 2	Lotrm2	Each	10/01/2018	NOTES	HISTORY	G	TRUCK	1.00000	0.00000	15.75000	15.75
Sub Total	26265.75	Total Units: 5,001 Weight: 0.00 Cube: 3.00 Cases: 0.00 Pallets: 0.00										
Tax Code	LA / Los Angeles			Tax=2153.79								
Freight	0.00											
Misc \$	0.00											
Additional Charges	+											
Total \$	US\$28419.54	Update Order Place Order										

Vendor Part # Add Item Search for Item(s) [IMPORT CSV](#) [Inventory Shortage](#) [ADVANCED SEARCH](#)
 Item SKU# Add Item

Getting Started with Manufacturing Work Order Processing

Work orders can be review by looking at the Manufacturing Calendar.

The screenshot shows the OpenPro Manufacturing (MRP) interface. The main window displays the 'MFG Calendar' for June 2023. The calendar is set to a weekly view, showing work orders for various parts across the days of the week. Below the calendar, there is a section for 'Unscheduled Work Operations' listing work orders with their respective part numbers and quantities.

Wk #	Sun	Mon	Tue	Wed	Thur	Fri	Sat
					1	2	3
4 Week View		5	6	7	8	9	10
11 Week View		12	13	14	15	16	17
18 Week View		19 WO: 14276 Pt: FG100 Qty: 1 (1) (4:06PM-) Copper Electro	20 WO: 14200 Pt: FG100 Qty: 10 (1) (4:05PM-) Chassis Assem	21 WO: 14274 Pt: FG100 Qty: 1 (1) (4:05PM-) Chassis Assem	22 WO: 14274 Pt: FG100 Qty: 1 (1) (4:05PM-) Copper Electro	23 WO: 14276 Pt: FG100 Qty: 1 (1) (4:06PM-) Chassis Assem	24
25 Week View		26 WO: 14280 Pt: FG100 Qty: 10 (1) (4:06PM-) Copper Electro	27 WO: 14285 Pt: FG200 Qty: 1 (1) (4:07PM-) Edge Mill Ops	28 WO: 14285 Pt: FG200 Qty: 1 (1) (4:07PM-) Etch Copper	29 WO: 14285 Pt: FG200 Qty: 1 (1) (4:07PM-) Electroless C	30 WO: 14285 Pt: FG200 Qty: 1 (1) (4:07PM-) Quality Contr	

Unscheduled Work Operations

WO: 14276 Part: FG100 Qty: 1 WO: 14277 Part: FG100 Qty: 1 WO: 14278 Part: FG100 Qty: 1 WO: 14279 Part: FG100 Qty: 1
 WO: 14281 Part: FG200 Qty: 1 WO: 14281 Part: FG200 Qty: 1 WO: 14282 Part: FG200 Qty: 1 WO: 14282 Part: FG200 Qty: 1
 WO: 14283 Part: FG200 Qty: 1 WO: 14283 Part: FG200 Qty: 1 WO: 14284 Part: FG200 Qty: 1 WO: 14284 Part: FG200 Qty: 1
 WO: 14286 Part: FG200 Qty: 1 WO: 14286 Part: FG200 Qty: 1 WO: 14287 Part: FG200 Qty: 1 WO: 14287 Part: FG200 Qty: 1
 WO: 14288 Part: FG200 Qty: 1 WO: 14288 Part: FG200 Qty: 1 WO: 14289 Part: FG300 Qty: 1 WO: 14289 Part: FG300 Qty: 1
 WO: 14289 Part: FG300 Qty: 1 WO: 14290 Part: FG300 Qty: 1 WO: 14290 Part: FG300 Qty: 1 WO: 14290 Part: FG300 Qty: 1
 WO: 14296 Part: FG1000 Qty: 121 WO: 14296 Part: FG1000 Qty: 121 WO: 14297 Part: FG1000 Qty: 121 WO: 14297 Part: FG1000 Qty: 121

This shows you what work orders are being processed for each day. Click on the details of a work order and it shows you all aspects of the work order.

MRP setup, processing and reporting

OpenPro's Material Requirements Planning has many processing options. In the options table shows different ways you can run MRP

The screenshot shows the OpenPro web application interface. On the left is a navigation menu with categories like Inventory Control, Job Costing Projects, Manufacturing (MRP), Activity, Costing Update, CRP Capacity, Engineering Change, and Maintenance. The main content area displays a table titled 'Table' with the search criteria 'Type Code: MRP PROCESS FLAGS'. The table has the following columns: Edit, Copy, Description, REGENTYPE, LOCATION, PLANNER, P or R, W or M, # W or M, Note, and Delete. The data rows are as follows:

Edit	Copy	Description	REGENTYPE	LOCATION	PLANNER	P or R	W or M	# W or M	Note	Delete
Edit	Copy	Full Regeneration Process DEMO	REGEN	DEMO	ALL	P	W	18.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regeneration Report only all WHSE	REGEN	WHSE	ALL	R	M	12.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regeneration Report only all WHSE	REGEN	DEMO	ALL	P	M	8.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regeneration Report only all WHSE	REGEN	DEMO	ALL	P	M	18.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regeneration Process DEMO	REGEN	DEMO	ALL	P	W	10.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regeneration Process DEMO	REGEN	MEAT	ALL	P	W	10.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regen Report only all DEMO 20	REGEN	DEMO	ALL	P	M	20.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regen Report only all DEMO 6 m1	REGEN	DEMO	ALL	P	M1	6.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regeneration Process DEMO w1	REGEN	DEMO	ALL	P	W1	10.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regeneration Process ALL	REGEN	ALL	ALL	P	W	10.00000	W or M -> weeks or months	Delete
Edit	Copy	Full Regeneration Process ALLC	REGEN	ALLC	ALL	P	W	10.00000	W or M -> weeks or months	Delete

- 1 Type – can be setup as Net change or Regen Normally use Regen
- 2 Location can be a specific location for ALL locations normally use ALL or a specific location
- 3 Setup as a single planner or ALL planners based upon the employee rep code
- 4 Process and report or Report only (no updating) Normally use P for Process
- 5 broken down into weeks or months and the number of weeks or months, Normally use 8 weeks.

MRP processing and reporting

When running MRP it can be setup a batch processing or online realtime.

When running real time you have several options.

The screenshot shows the OpenPro web application interface. The left sidebar contains a navigation menu with categories like Development, Admin, Bank Reconciliation, Contacts (CRM), General Ledger, Inventory Control, Job Costing Projects, Manufacturing (MRP), and Quality. Under Manufacturing (MRP), the 'MRP Process' sub-menu is expanded, showing various options such as 'MRP Process .check', 'MRP Process By Cat', 'MRP Process By Cat checked', 'MRP Process By Cat Debug', 'MRP Process By Vendor', 'MRP Process By Vendor Debug', 'MRP Process Debug', 'MRP Process Flags Choice', 'MRP Process Flags Choice by Cat', 'MRP Process Flags Choice by Cat Debug', 'MRP Report Generator', 'MRP Report Generator debug', 'MRP Report Generator edit', 'MRP Report Generator param', 'MRP report writer listing', 'Purchase Search MFG po', and 'Work Orders ALL Location MRP'.

The main content area displays the 'MRP Process' form. At the top, there is a 'Customer Logo' and a navigation breadcrumb: 'Home > Manufacturing (MRP) > MRP Process > MRP Process'. The form includes a 'Vendor:' field with a 'Get Vendor' button. Below this are several checkboxes with labels: 'Generate PO's for MRPLAN work orders : -- If unchecked will generate requirements for SO only.', 'Generate Kits for MRPLAN Work Orders: -- If unchecked will generate requirements for SO only.', 'Demand Items Only(MPS Forecast Qty included): ', and 'Do not use Safety Stock: '. There are two buttons: 'Process MRP' and 'MRP Reports'.

Below the buttons is a table with the following data:

Description	Full Regeneration Process DEMO
REGENTYPE	REGEN
LOCATION	DEMO
PLANNER	ALL
P or R	P
W	18.00000

Most people select the bottom choice, you can break it down to category and sub cat

OpenPro.com v9.6.5 DEMO (Language: English) LOGOFF

Home > Manufacturing (MRP) > MRP Process > MRP Process By Cat

Item Category: - select -
 Bike Options
 Bikes
 Parts
 Raw Materials

Subcategory: -Select-
 Chains
 Frames
 Handle Bar
 Rims

Company: DEMO

Vendor: [Get Vendor](#)

Generate PO's for MRPLAN work orders: -- If unchecked will generate requirements for SO only.

Generate Kits for MRPLAN Work Orders: -- If unchecked will generate requirements for SO only.

Demand Items Only(MPS Forecast Qty included):

Do not use Safety Stock:

[Process MRP](#) [MRP Reports](#)

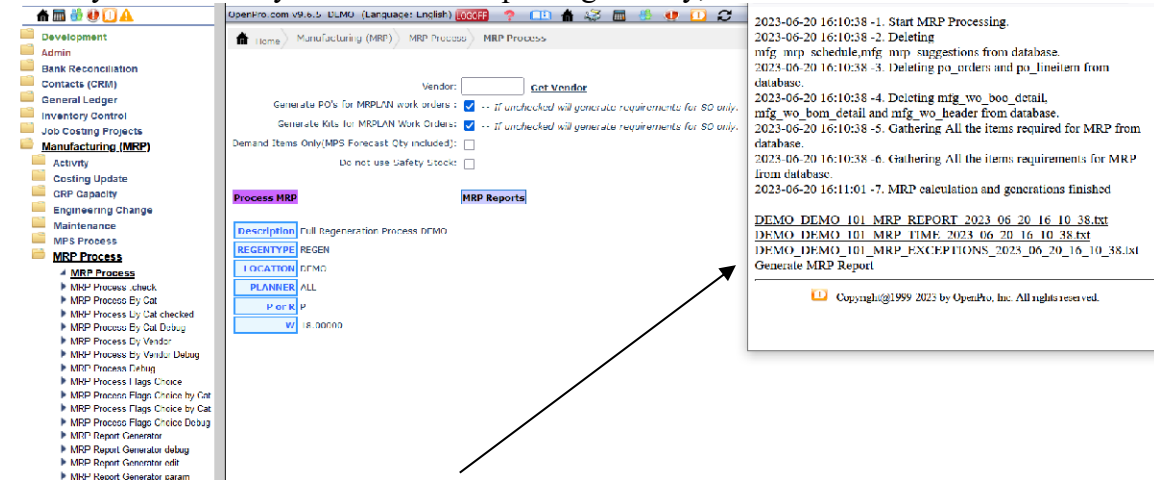
Description	Full Regeneration Process DEMO
REGENTYPE	REGEN
LOCATION	DEMO
PLANNER	ALL
P or R	P
W	18.00000

Quality

If you have multiple locations, multiple companies and certain category

MRP processing and reporting

When you run MRP you can see the report right away,



The screenshot shows the OpenPro MRP processing interface. The main window has a header with the user name 'Upennko.com v9.6.5.0.0 LLMU (Language: English) LOGOFF'. Below the header, there are several checkboxes for generating POs and kits for MRPLAN work orders, and a checkbox for demand items only. There are two buttons: 'Process MRP' and 'MRP Reports'. Below these buttons, there is a table with columns for Description, REGENERATE, LOCATION, PLANNER, P or K, and W. The table contains one row: 'Full Regeneration Process DEMO', 'REGEN', 'DEMO', 'ALL', 'P', and '16:00:00'. To the right of the main window, there is a log window showing the execution steps and generated report files. The log entries are: '2023-06-20 16:10:38 -1. Start MRP Processing.', '2023-06-20 16:10:38 -2. Deleting mfg_mrp_schedule,mfg_mrp_suggestions from database.', '2023-06-20 16:10:38 -3. Deleting po_orders and po_itemitem from database.', '2023-06-20 16:10:38 -4. Deleting mfg_wo_boe_detail, mfg_wo_bom_detail and mfg_wo_header from database.', '2023-06-20 16:10:38 -5. Gathering All the items required for MRP from database.', '2023-06-20 16:10:38 -6. Gathering All the items requirements for MRP from database.', '2023-06-20 16:11:01 -7. MRP calculation and generations finished'. Below the log entries, there are three report files: 'DEMO_DEMO_101_MRP_REPORT_2023_06_20_16_10_38.txt', 'DEMO_DEMO_101_MRP_TIME_2023_06_20_16_10_38.txt', and 'DEMO_DEMO_101_MRP_EXCEPTIONS_2023_06_20_16_10_38.txt'. At the bottom of the log window, there is a copyright notice: 'Copyright © 1999-2023 by OpenPro, Inc. All rights reserved.'

This will show you all the reports from the system, how long it took to run and any exceptions, errors from not setting it up correctly.

Most companies setup a batch process due MRP can slow down the system during the day. This batch process can be setup to run nightly and every day you can run the report generator and review the results.

MRP processing nightly and report Generator process

The screenshot shows the OpenPro software interface for the MRP Report Generator. The left sidebar contains a navigation tree with categories like Development, Admin, Bank Reconciliation, Contacts (CRM), General Ledger, Inventory Control, Job Costing Projects, Manufacturing (MRP), MPS Process, Quality, Reports, and SFC Process. The main window displays the 'MRP Report Generator' form with the following fields and options:

- Report: DEMO_DEMO_IC1_MRP_REPORT_2023_06_20_16_10_38.txt
- Location: DEMO - OpenPro Samburg Bike Company
- Planner: ALL
- Start Sort code: [text input]
- End Sort code: [text input]
- MRP Forecast Type: [text input]
- Start Item Partnum: [text input]
- Finish Item Partnum: [text input]
- Replacement Method: Both
- Skip zero Calc. PO/WO Balance records: Summarize:
- Skip Phantom Non-Inventory Items: Skip Non-Inventory Items:
- Sort by: Partnum
- Item Category: - select - (with dropdown list: Bike Options, Bikes, Parts, Raw Materials)
- Subcategory: - Select -
- Vendor: [text input] [Get Vendor](#)
- Number of buckets: 8
- Make Report button

With the report generator you can even break down the report into more details and have custom sort codes.

Also select by part ranges, Replacement method will show all potential PO's to setup or all work orders that need to be updated to WIP status.

You can skip seeing non-inventory items because most companies buy them in bulk.

You can skip phantom items as well. You can also skip items that do not need any changes from the MRP run or zero calculated items to make the report smaller.

MRP processing and reporting – reporting manufactured items

When you look at the MRP report you can see that it generated a Manufacturing work order for FG100 based upon the forecast and demand. Manufactured items On current month it created 1145 qty work order and on 5-7 it created 10000 pieces.

Location: DEMO **FG100** (**FG100 OpenPro Mountain Bike**) Avg Sales/Usage: 8.33 Safety Stock:40 UOM: Each Replacement Method:Make item **FG100-FG100 OpenPro Mountain Bike can not be delivered in time by manufacturing between '2019-04-16' and '2019-04-22' date.**

10 day lead time	Past Due	04/16/2019 - 04/23/2019	04/23/2019 - 04/30/2019	04/30/2019 - 05/07/2019	05/07/2019 - 05/14/2019	05/14/2019 - 05/21/2019	05/21/2019 - 05/28/2019
Inventory(+)	3047	-110	40	40	40	40	40
Sales Order(-)	3436	0	0	0	0	0	0
Forecast Order(-)	0	1000	0	0	10000	2000	1000
Work Order(+)	172	0	0	0	0	0	0
WO Requirements(-)	1030	0	0	0	0	0	0
Purchase Order(+)	1137	5	0	0	0	0	0
Calc. PO Balance	0	0	0	0	0	0	0
Calc. WO Balance	0	1145	0	0	10000	2000	1000
Calc. Stock	-110	40	40	40	40	40	40

Explain each column – shows the dates based upon dates you requested
 Explain each row – **Inventory on hand**, **Sales Orders** that are committed, **Forecast** from MPS, **work orders** already in wip or firm plan status, **WO requirements** is if this is a sub assembly and is already allocated to an open work order, **purchase orders** if on a PO currently, **Calc** are if the system added PO or Work Orders they will show up here.

When you click on the blue 10000 it opens up the work order in details

Location: DEMO **FG100** (**FG100 OpenPro Mountain Bike**) Avg Sales/Usage: 8.33 Safety Stock:40 UOM: Each item **FG100-FG100 OpenPro Mountain Bike can not be delivered in time by manufacturing between '2019-04-16' and '2019-04-22' date.**

10 day lead time	Past Due	04/16/2019 - 04/23/2019	04/23/2019 - 04/30/2019	04/30/2019 - 05/07/2019	05/07/2019 - 05/14/2019	05/14/2019 - 05/21/2019	05/21/2019 - 05/28/2019	05/28/2019 - 06/04/2019	06/04/2019 - 06/11/2019	06/11/2019 - 06/18/2019	06/18/2019 - 06/25/2019	06/25/2019 - 07/02/2019	07/02/2019 - 07/09/2019
Inventory(+)	2047	0	40	40	40	40	40	40	40	140	140	140	140
Sales Order(-)	2336	0	0	0	0	0	0	0	0	0	0	0	0
Forecast Order(-)	0	0	0	0	0	0	0	0	0	0	0	0	0
Work Order(+)	172	0	0	0	0	0	0	0	0	0	0	0	0
WO Requirements(-)	1030	0	0	0	0	0	0	0	0	0	0	0	0
Purchase Order(+)	1137	5	0	0	0	0	0	0	0	0	0	0	0
Calc. PO Balance	0	0	0	0	0	0	0	0	0	0	0	0	0
Calc. WO Balance	0	145	0	0	0	0	0	0	0	0	0	0	0
Calc. Stock	-110	40	40	40	40	40	40	40	40	140	140	140	140

Location: DEMO **FG200** (**FG200 Deluxe Mountain Bike**)

1 day lead time	Past Due	04/16/2019 - 04/23/2019	04/23/2019 - 04/30/2019
Inventory(+)	21541	19235	19235
Sales Order(-)	2027	0	0
Forecast Order(-)	0	0	0
Work Order(+)	282	0	0
WO Requirements(-)	0	0	0
Purchase Order(+)	1024	0	0
Calc. PO Balance	0	0	0
Calc. WO Balance	0	0	0
Calc. Stock	19235	19235	19235

Location: DEMO **FG300** (**FG300 Custom Mountain Bike**)

49 day lead time	Past Due	04/16/2019 - 04/23/2019	04/23/2019 - 04/30/2019
Inventory(+)	20267	20567	20567
Sales Order(-)	286	0	0
Forecast Order(-)	0	0	0
Work Order(+)	500	0	0
WO Requirements(-)	0	0	0
Purchase Order(+)	8330	0	0
Calc. PO Balance	0	0	0
Calc. Stock	20267	20567	20567

Work order : 1357

Type: Build

Part #: FG100 Revision #: 1a

Name: FG100 OpenPro Mountain Bike

Description: FG100 OpenPro standard model. This is more detail for this item.

Dimensions: Width: 22.00 Height: 33.00 Depth: 33.00

Customer: [Project] [Sub Proj] [Task]

Reference #: MRP 2019-04-16 11-59

Unit of Measure: Each

Warehouse: DEMO-OpenPro Sanjour Bike Company

Box Label Creation

Created by: Your Administrator

Planner: [Your Administrator]

Creation Date: [Date]

Status: MRPlan

Bill of Materials: [Link]

Bill of Operations: [Link]

Generate Pick List

Generate Routing

Generate Traveler

Lead Time: 10

Quantity Ordered: 1000.0000

Quantity Completed: 0.0000

New Quantity Completed: [Input]

Due Date: 05/07/2019

Start Date / Time: 04/27/2019 00:00:00

Completed Date: [Input]

Priority: High

Issue Date: [Input]

Issue By: [Input]

Heat No: [Input]

Heat Code: [Input]

UserDefines: [Input]

Production Notes: [Text Area]

Buttons: GOST, Tasks, NOTE, SEE NOTE, SCREEN, [Icons]

See the status of this work order is MRPlan, we can change it to WIP to get the work order started.

MRP processing and reporting – reporting manufactured items

When using the report generator you can have the option to move the work orders and purchased order from manufacturing planned status to live and active with out getting out of the report.

Location: DEMO FG200 (FG200 " openpro's mountain1) Avg Sales/Usage: 3.17 Safety Stock:5 EOQ:31 UOM: Feet Replacement Method:Make Item Category: Bikes
 item FG200-FG200 " openpro's mountain1 can not be delivered in time by manufacturing between '2023-06-18' and '2023-06-24' date.

4 day lead time	Past Due	06/18/2023 - 06/24/2023	06/25/2023 - 07/01/2023	07/02/2023 - 07/08/2023	07/09/2023 - 07/15/2023	07/16/2023 - 07/22/2023	07/23/2023 - 07/29/2023	07/30/2023 - 08/05/2023	08/06/2023 - 08/12/2023	Total
Inventory(+)	340	-143	5	5	5	5	5	5	5	5
Sales Order(-)	653	0	0	0	0	0	0	0	0	653
Forecast Order(-)	0	0	300	0	0	300	0	300	600	1500
Work Order(+)	0	0	0	0	0	0	0	0	0	0
WO Requirements(-)	0	0	0	0	0	0	0	0	0	0
Purchase Order(+)	170	0	0	0	0	0	0	0	0	170
Calc. PO Balance	0	0	0	0	0	0	0	0	0	0
Calc. WO Balance	0	148	300	0	0	300	0	300	600	1648
Calc. Stock	-143	5	5	5	5	5	5	5	5	5

When you click on the Calc WO numbers you can change and edit the work order status.

Work order : 14840

Type: Build

Part #: FG200 Revision #: 1

Name: FG200 " openpro's mountain1

Description: FG200 Description

Dimensions: Width: 22.00 Height: 33.00 Depth: 33.00

Customer: Find Customer Find Order

Reference #: MRP 2023-06-20 1G-3

Unit of Measure: Feet

Warehouse: DEMO-OpenPro Samburg Bike Company

Box Label Creation

Lead Time: 1

Quantity Ordered: 300.0000

Quantity Completed: 0.0000

New Quantity Completed:

Due Date: 06/25/2023

Start Date / Time: 06/21/2023 00:00:00

Completed Date:

Issue By:

Issue Date:

Heat No:

Heat Code:

UserDefine5:

Created by: Administrator You

Planner: Your Administrator

Creation Date: 06/20/2023

Status: MRPlan

Bill of Materials: Edit / View Bill of Materials Material Shortages

Bill of Operations: Edit / View Bill of Operations

Bill of Operations Revision #

Generate Pick List

Generate Pick List By Bin

Generate Routing

Generate Traveler

Production Notes

COST

Tasks

NOTE

SEE NOTE

SCREEN

SAVE

CLOSE WINDOW

MRP processing and reporting – reporting purchased items

When using the report generator you can have the option to move the purchase order from manufacturing plan status to live open purchase order.

MRP Report Generator

Report Selection Parameters

Report: DEMO DEMO 101 MRP REPORT 2023 06 20 16 34 43.81
 Location: DEMO - OpenPro Samburg Bllc Company
 Planner: All
 Summarize: False Skip zero Calc. PO/WO Balance records: False
 Skip Non-Inventory Items: False Skip Phantom Non-Inventory Items: False
 Replacement Method: Purchase
 Sort By: platform
 Number of buckets: 8

MRP Report for 2023-06-20 16:34:43 Full Regeneration Process DEMO P W 18.00 Location Code: DEMO Demand Only
 Generate PO's for MRPLAN work orders :True Generate Kits for MRPLAN Work Orders :True Do not use Safety Stock:False.

Location: DEMO 3lw (/3 lock washer) Avg Sales/Usage: 0.33 Safety Stock:50 EOQ:50 UOM: Each Replacement Method:Purchase Item Category: Parts

30 day lead time	Past Due	06/18/2023 - 06/24/2023	06/25/2023 - 07/01/2023	07/02/2023 - 07/08/2023	07/09/2023 - 07/15/2023	07/16/2023 - 07/22/2023	07/23/2023 - 07/29/2023	07/30/2023 - 08/05/2023	08/06/2023 - 08/12/2023	Total
Inventory(+)	918	918	50	50	50	50	50	81	81	81
Sales Order(-)	0	0	0	0	0	0	0	0	0	0
Forecast Order(-)	0	0	0	0	0	0	0	0	0	0
Work Order (1)	0	0	0	0	0	0	0	0	0	0
WO Requirements(-)	0	6277	0	0	0	0	15	0	0	4296
Purchase Order(1)	0	0	0	0	0	0	0	0	0	0
Calc. PO Balance	0	3405	0	0	0	0	0	0	0	3409
Calc. WO Balance	0	0	0	0	0	0	0	0	0	0
Calc. Stock	918	50	50	50	50	50	81	81	81	81

When you click on the Calc PO Balance, then the po pops up and you can update the Approved by and generate the purchase order, email it to the supplier.

Purchase Order# 0 Requisition Number: 36109 Status: Request [Open] Revision: 0 [DUPLICATE] [NOTE] [SEE NOTE] [SCREEN] [Print Requisition]

Steel, John Metal Supply Company 1000 123 Real Metal Lane
 Language: ENG Currency:

Purchase Order Information

Select Order Notes: Selected
 Order Notes: MRP from 2023-06-20 16:34

Buyer: Your Administrator
 Planner ID: chaoz
 Approved By: chaoz
 Approved Date: 06/20/2023
 Requisition Date: 06/20/2023
 Required Date: 06/20/2023
 Cancel Date:

PO Type: Mfg Manuf.
 Source: DEMO - OpenPro Samburg
 Ship Method: FCDCX - Special delivery
 Ship To Location:
 Ship Terms: SLRPC - Ship Complete
 Drop Ship: Ship to one location:
 Confirm Date:

Customer Purchase Order:
 Payment Terms: Check / Pay via a check invoice
 Material Status: Ordered Seat
 Follow-up Date:

Total UOM: 6,643,474 Weight: 24,095.00 Cubic: 0.00 Cases: 0.00 Pieces: 0.00 Reviewed

Line Item#	Item Name	Part Number	UOM	Qty	Due Date	Notes	History	Service	Freight to	Quantity Ordered
1 - RM1001	304 1/4 inch steel plate	64910	Each	500094.0000	06/20/2023	[NOTES] [HISTORY] [G] [TRUCK]				500094.0000
1 - RM2001	RAW WOOD 1 X 4	RM2001X4	Each	191961.0000	06/20/2023	[NOTES] [HISTORY] [G] [TRUCK]				191961.0000
3 - RM2111	Red Paint	65770	Each	45361.0000	06/20/2023	[NOTES] [HISTORY] [G] [TRUCK]				45361.0000
4 - B06500	Extension for Stud, Bar	606500	Each	545184.0000	06/20/2023	[NOTES] [HISTORY] [G] [TRUCK]				545184.0000
5 - 3lw	3 lock washer	3lw valid	Each	3109.0000	06/20/2023	[NOTES] [HISTORY] [G] [TRUCK]				3109.0000

MRP processing and reporting – reporting manufactured items

When ready to release manufacturing work orders created by MRP, select MRPlan and edit rows, this will help with the manually releasing work orders from MRP.

The screenshot shows the OpenPro v9.0.2 DEMO interface. The left sidebar contains a navigation menu with 'Manufacturing (MRP)' expanded. The main content area is titled 'Work Orders' and includes search filters for Part #, Item Name, Work Order Number, Item Category, Min Start Date, and Min Due Date. A dropdown menu for 'Work Order Status' is open, showing options: Firm Plan, W.I.P., Closed, Cancelled, Tear Down, and MRPlan. The 'MRPlan' option is selected. A 'Fast' checkbox is visible.

Then you can update all the line items, change order status to WIP and update start date

The screenshot shows the OpenPro v9.0.2 DEMO interface. The left sidebar contains a navigation menu with 'Manufacturing (MRP)' expanded. The main content area is titled 'Work Orders' and includes search filters for Part #, Item Name, Work Order Number, Item Category, Min Start Date, and Min Due Date. A dropdown menu for 'Work Order Status' is open, showing options: Firm Plan, W.I.P., Closed, Cancelled, Tear Down, and MRPlan. The 'W.I.P.' option is selected. A 'Fast' checkbox is visible.

Work Order #	Item #	Item Name	Work Order Quantity	Open Qty	Work Order Start	Work Order Due	Creator Representative	Sales Order	Order Status	Warehouse	Priority	Sales Quantity	Type	Customer Reference
Edit 1360	RM1200	Raw Material Phantom	1000	1000	04/16/2019 00:00:00	04/16/2019	Administrator>Your		MRPlan	DEMO	High	0	Build	
Edit 1369	RM1200	MATERIAL HANULL	1000	1000	05/07/2019 00:00:00	05/07/2019	Administrator>Your		MRPlan	DEMO	High	0	Build	
Edit 1357	FG100	FG100 OpenPro Mounts	1000	1000	04/27/2019 00:00:00	05/07/2019	Administrator>Your		MRPlan	DEMO	High	0	Build	
Edit 1358	RM1200	MFTAL HANUL F	433	433	04/16/2019 00:00:00	04/16/2019	Administrator>Your		MRPlan	DEMO	High	0	Build	
Edit 1356	FG100	FG100 OpenPro Mounts	145	145	04/06/2019 00:00:00	04/16/2019	Administrator>Your		MRPlan	DEMO	High	0	Build	

MRP processing and reporting – reporting purchased items

Location: DEMO [RM1001 \(SHEET METAL \)](#) Avg Sales/Usage: 42 Safety Stock:1000 UOM: Pound Replacement Method:Purchase

item RM1001-SHEET METAL can not be delivered in time by vendor(Metal Supply Company CCard/John Steel) item RM1001-SHEET METAL can not be delivered in time by vendor(Metal Supply Company CCard/John Steel) item RM1001-SHEET METAL can not be delivered in time by vendor(Metal Supply Company CCard/John Steel) item RM1001-SHEET METAL can not be delivered in time by vendor(Metal Supply Company CCard/John Steel)

0 day lead time	Past Due	04/16/2019 - 04/23/2019	04/23/2019 - 04/30/2019	04/30/2019 - 05/07/2019	05/07/2019 - 05/14/2019	05/14/2019 - 05/21/2019	05/21/2019 - 05/28/2019
Inventory(+)	1110787.67	1103069	1077436	1077436	1077436	610111	
Sales Order(-)	0	0	0	0	0	0	0
Forecast Order(-)	0	0	0	0	0	0	0
Work Order(+)	0	0	0	0	0	0	0
WO Requirements(-)	7729	25763	0	0	467325	720000	
Purchase Order(+)	10	130	0	0	0	0	0
Calc. PO Balance	0	0	0	0	0	109888	
Calc. WO Balance	0	0	0	0	0	0	0
Calc. Stock	1103068.67	1077435.67	1077435.67	1077435.67	610110.67	-1.33	

When reporting purchased items you can drill down to the system created purchase order

Location: DEMO [RM1001 \(SHEET METAL \)](#) Avg Sales/Usage: 42 Safety Stock:1000 UOM: Pound Replacement Method:Purchase

item RM1001-SHEET METAL can not be delivered in time by vendor(Metal Supply Company CCard/John Steel) item RM1001-SHEET METAL can not be delivered in time by vendor(Metal Supply Company CCard/John Steel) item RM1001-SHEET METAL can not be delivered in time by vendor(Metal Supply Company CCard/John Steel) item RM1001-SHEET METAL can not be delivered in time by vendor(Metal Supply Company CCard/John Steel)

0 day lead time	Past Due	04/16/2019 - 04/23/2019	04/23/2019 - 04/30/2019	04/30/2019 - 05/07/2019	05/07/2019 - 05/14/2019	05/14/2019 - 05/21/2019	05/21/2019 - 05/28/2019	05/28/2019 - 06/04/2019	06/04/2019 - 06/11/2019
Inventory(+)	1110787.67	1103069	1077436	1077436	1077436	610111	-1	-1	
Sales Order(-)	0	0	0	0	0	0	0	0	0
Forecast Order(-)	0	0	0	0	0	0	0	0	0
Work Order(+)	0	0	0	0	0	0	0	0	0
WO Requirements(-)	7729	25763	0	0	467325	720000	22995	22500	
Purchase Order(+)	10	130	0	0	0	0	0	0	0
Calc. PO Balance	0	0	0	0	0	109888	22995	22500	
Calc. WO Balance	0	0	0	0	0	0	0	0	0
Calc. Stock	1103068.67	1077435.67	1077435.67	1077435.67	610110.67	-1.33	-1.33	-1.33	

Request [Open] Revision: 0 Print Requisition ?

Card: 123 Real Metal Lane

Inventory: 05/21/2019 05/28/2019 06/04/2019 06/11/2019

+ Purchase Order Information

Net Units: 386.648 Weight: 0.00 Cube: 0.00 Cases: 0.00 Pallets: 0.00

Part Number	UOM	Due Date	Notes	History	Service	Freight To	Quantity Ordered	Quantity Received	Unit Cost	Extended Amount
RM2001X	Each	05/15/2019		NOTES HISTORY	G	TRUCK	112000.000	0.00000	0.44000	49280.00
9/1x10	Each	05/15/2019		NOTES HISTORY	G	TRUCK	109888.000	0.00000	120.55000	13246998.00
RMSTEEL	Each	05/15/2019		NOTES HISTORY	G	TRUCK	164160.000	0.00000	1.12000	183856.20

Net Units: 386.648 Weight: 0.00 Cube: 0.00 Cases: 0.00 Pallets: 0.00

MRP processing and reporting – reporting purchased items

When ready to release manufacturing purchase orders created by MRP

Select Show open request, PO type PO Manuf and search. This shows you how to manually update the manufacturing created purchase order and releasing them.

The screenshot shows the 'Find Purchase Order' search form in OpenPro. The 'PO Type' dropdown is set to 'PO Manuf'. The 'Show open Purchase Orders only' checkbox is checked. The 'Search' button is highlighted with a red circle.

The screenshot shows a table of 'Selected P.O.s' with the following data:

Name	Company	purchase order #	Request #	Require Date	Status	Actions
Steel, John Metal Supply Company CCoard		0	1218	05/08/2019	Request	[SHOW] [EDIT] [NOTE] [SEE NOTE] [VOID PO] [ITEMS] [DETAIL] [EDIT VENDOR]
Steel, John Metal Supply Company CCoard		0	1217	07/17/2019	Request	[SHOW] [EDIT] [NOTE] [SEE NOTE] [VOID PO] [ITEMS] [DETAIL] [EDIT VENDOR]
Steel, John Metal Supply Company CCoard		0	1216	06/14/2019	Request	[SHOW] [EDIT] [NOTE] [SEE NOTE] [VOID PO] [ITEMS] [DETAIL] [EDIT VENDOR]
Steel, John Metal Supply Company CCoard		0	1215	05/29/2019	Request	[SHOW] [EDIT] [NOTE] [SEE NOTE] [VOID PO] [ITEMS] [DETAIL] [EDIT VENDOR]
Steel, John Metal Supply Company CCoard		0	1214	05/22/2019	Request	[SHOW] [EDIT] [NOTE] [SEE NOTE] [VOID PO] [ITEMS] [DETAIL] [EDIT VENDOR]
Steel, John Metal Supply Company CCoard		0	1213	05/15/2019	Request	[SHOW] [EDIT] [NOTE] [SEE NOTE] [VOID PO] [ITEMS] [DETAIL] [EDIT VENDOR]
Steel, John Metal Supply Company CCoard		0	1224	04/17/2019	Request	[SHOW] [EDIT] [NOTE] [SEE NOTE] [VOID PO] [ITEMS] [DETAIL] [EDIT VENDOR]

Then EDIT and update the approved by and place order.

To manually convert the MRP planned PO to a real po
Then EDIT and update the approved by and place order.

Purchase Order # 0 Requisition Number: 1218 Status: Request [Open] Revision: 0

Steel John Metal Supply Company CCard 1000 123 Real Metal Lane

Language: ENG Currency:

Select Order Notes: Select

Order Notes: Item RM2001X4 RAW WOOD 1 X 4 can not be delivered in time by vendor(Metal Supply Company CCard/John Steel) MRP from 2019-04-16 15:46

Buyer: Your Administrator
Planner ID: choose
Approved by: Your Administrator
Approved Date: 04/16/2019 (MM/DD/YYYY)
Requisition Date: 04/16/2019
Required Date: 05/08/2019
Cancel Date:

PO Types: PO Manuf.
Stores: DEMO OpenPro Samburg
Ship Method: LLDUX - Special delivery
Ship to Location:
Ship Terms: SHIPC - Ship Complete
Drop Ship: Ship to one location:
Confirm Date:

U.D.fid:
U.D.fid 2:
Customer Purchase Order:
Payment Terms: CCVIS / Visa Credit Card
Material Status: Ordered Sent
Follow-up Date:

Line Item#	Item Name	Part Number	UOM	Due Date	Quantity Ordered	Quantity Received	Unit Cost	Extended Amount	
1	RM2001X4 RAW WOOD 1 X 4	RM2001X4	Each	05/08/2019	34575.0000	0.00000	0.44000	15191.44	
2	RMS1LLL RAW STEEL BARS	RMS1LLL	Each	05/08/2019	106550.0000	0.00000	1.12000	119236.00	
Sub Total		Total Units: 141.076 Weight: 0.00 Cube: 0.00 Cases: 0.00 Pallets: 0.00							
Tax Code		IA / Los Angeles		Tax=0					
Freight		0.00							
Misc.		0.00							
Additional Charges		+							
Total \$		US\$131527.44							

Update Order Place Order Cancel Order

Vendor Part # Item SKU# Add Item Search for Item(s) IMPORT CSV Inventory Shortage ADVANCED SEARCH

Then you can Print the PO and send to supplier

Customer Logo

Purchase Order 19-1441

Location: DEMO
OpenPro Samburg Bike Company
10061 Talbert Ave #200
Fountain Valley, CA, USA 92708
(714)378-4603

Vendor: 1000
Steel John
Metal Supply Company CCard
123 Real Metal Lane
Suite 200
Metal city, AL, USA 05467
T: (714)611-8277
F: 1432221246
JOHN2@METALSUPPLY.COM

Shipping Method	Payment Terms	Buyer	Port of Entry
Special delivery	Visa Credit Card	Administrator Your	

L / N	Item No.	Description	UOM	Quantity	Unit Price	Extended Price
1	RM2001X4		Each	106550.00000	1.12000	118336.00
Notes: Item RMSTEEL-RAW STEEL BARS can not be delivered in time by vendor(Metal Supply Company CCard/John Steel) MRP from 2019-04-16 15:46						
2	RMSTEEL MFG# 5346	UPC: 12312333		106550.00000	1.12000	118336.00
Notes: Item RMSTEEL-RAW STEEL BARS can not be delivered in time by vendor(Metal Supply Company CCard/John Steel) MRP from 2019-04-16 15:46						

Subtotal	238672.00
Freight	0.00
Miscellaneous	0.00
Tax	0.00
Order Total	US\$ 238672.00

Ship To:
OpenPro Samburg Bike Company
10061 Talbert Ave #200
Fountain Valley, CA, USA 92708
Phone (714)378-4603
Fax (714)694-1491



OpenPro ERP Software

OpenPro Application Manufacturing Standards

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