X.1 | Offset Presses

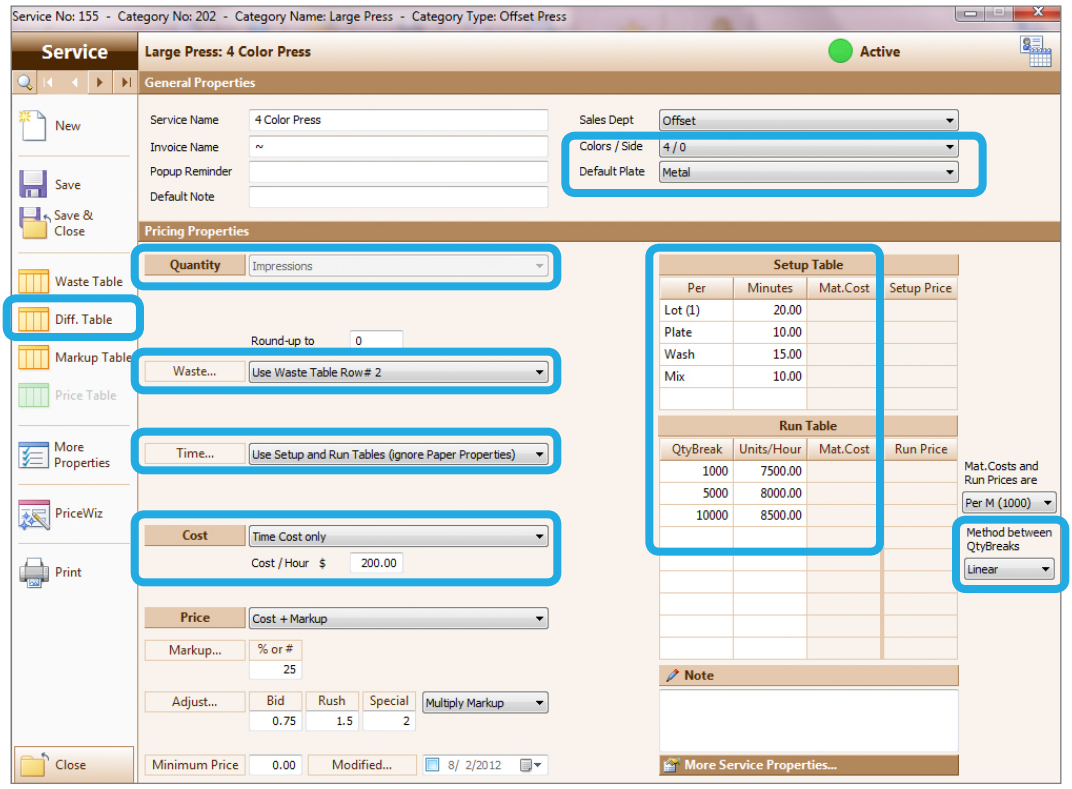
An offset press must be created in the "Offset Press" category.

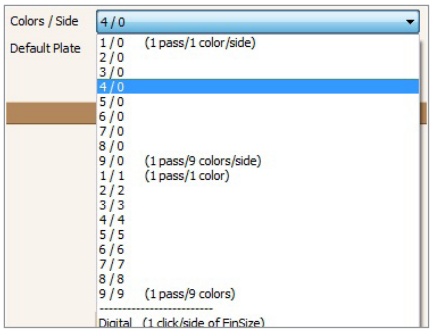
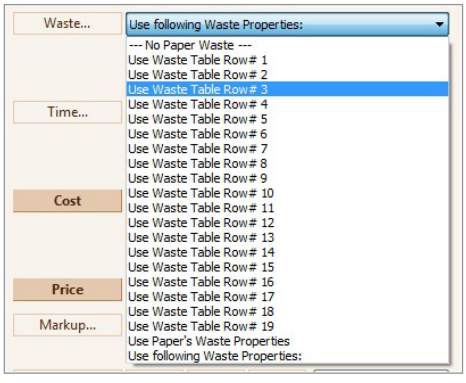
Printer's Plan offers two approaches to an Offset Press setup: One setup assumes the Press in question is not sensitive to various Paper types and can run most papers at a designated setup time and speed. The other setup assumes the Press in question is sensitive to Paper types and runs some papers, such as Bond papers, at a shorter setup time and faster speed than other papers, such as Text papers. Press A and Press B in the following pages demonstrate the two approaches, respectively.

NOTE:

Both examples focus on the data fields unique to an offset press setup. For information on the other fields, please see "Service Setup – Common Fields" in this chapter.

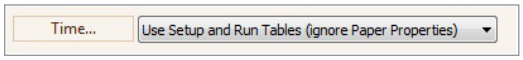
Press A



Field Name	Description
Colors/Side 	Click the arrow and select the number of colors this press can print in one pass. For perfector presses, use one of the options "1/1" through "9/9". The two "digital" options are typically used with digital printers. *(See "Digital Printers/Copiers" in this chapter.)*
Default Plate 	This dropdown list contains the plates that have been set up in Printer's Plan. *(You must set up your plates before setting up presses. For more information on setting up plates, see "Plates" in this section.)* Select a default plate for this press. When this press is used in an Item, Printer's Plan will automatically assign the default plate to the Item as you save the Item. You can override the default plate in an Item by manually selecting the plate of your choice.
Quantity 	This field is locked and no other selection is allowed. Printer's Plan will always use the number of Impressions to calculate the cost of a press in an Item.
Waste... 	Option 1: Select a Waste Table row to assign default paper waste properties to this press. Option 2: Select "Use Paper's Waste Properties" if this press incurs paper waste in different amounts for different papers. Option 3: "Use following Waste Properties" is normally not used with offset presses. The default waste properties can be further modified for job difficulties by setting up the waste adjustment fields in the Press Difficulty Table. *(For more information on setting up the Waste Table and waste in general, see "Paper Waste" in this chapter.)*

X.1 | Offset Presses

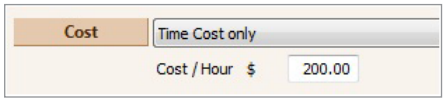
Time...



The selection in this field differentiates Press A from Press B.

Select "Use Setup and Run Tables (Ignore Paper Properties)" for Press A.

Cost
and
Cost/Hr



In the **Cost** field, the typical selection for an offset press is "Time Cost only" since a press service is a labor-intensive one.

In the **Cost/Hr** field, enter the budgeted hourly rate (also called as "hourly burden rate" or "hourly rate") for this press.

NOTE:

You can find numerous print and online publications that include suggested budgeted hourly rates and average rates used in the industry for various presses.

Setup Table

Setup Table			
Per	Minutes	Mat.Cost	Setup Price
Lot (1)	20.00		
Plate	10.00		
Wash	15.00		
Mix	10.00		

Time for various types of setup required by the press is assigned in the Setup Table. The total setup time will equal the sum of the times contributed by all setup types. Be sure to enter the time in minutes.

Lot (1): Some presses may require an initial setup for each job in addition to the setup per plate. Enter in this field the estimated initial setup time.

Plate: Enter the estimated setup time for each plate. This number will be multiplied by the number of plates used in the Item.

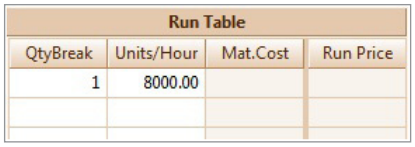
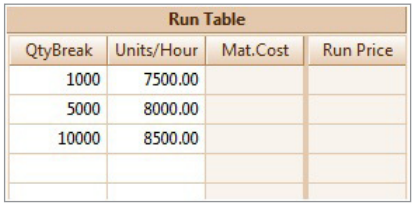
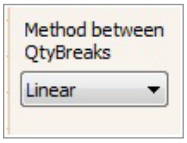
Wash: Enter the time it takes to wash the press for each color ink. This number will be multiplied by the quantity assigned to the **Wash** field of the "Press specs" window in an Item.

Mix: If mixing PMS ink is done by the press operator (and therefore a function of press time), enter the approximate time spent in mixing one PMS ink. This number will be multiplied by the number assigned to the **Mix** field of the "Press specs" window in an Item.

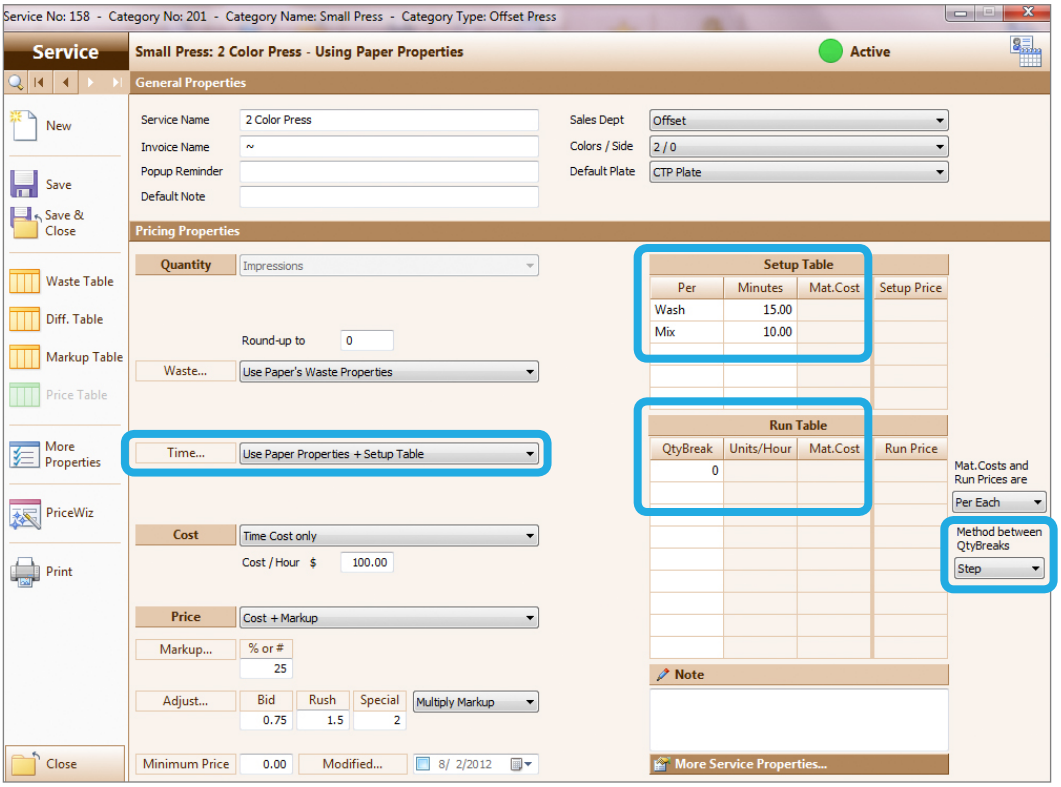
Run Table

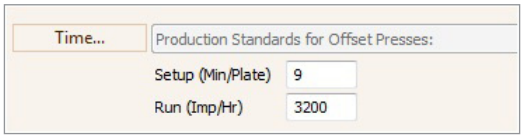
Enter the press speed (impressions per hour) in the Run Table.

If you want to use one press speed regardless of the number of impressions in an Item, enter one speed as shown below:

	 Run Table QtyBreak | Units/Hour | Mat.Cost | Run Price 1 | 8000.00 If you want to increase (or decrease) the press speed as the impression quantity increases, set up the table similar to the following. The quantities in the **QtyBreak** column are number of impressions.  Run Table QtyBreak | Units/Hour | Mat.Cost | Run Price 1000 | 7500.00 5000 | 8000.00 10000 | 8500.00
Method between QtyBreaks  Method between QtyBreaks Linear	The speed for quantities between the breaks will be interpolated according to the selection in the **Method between QtyBreaks** field: Linear, Step, or Sum. The typical selection for press speed is "Linear". *(See "Step, Linear, and Sum Methods" for more information on this field.)*
Diff. Table	Use the Difficulty Table to adjust the press setup time, run speed, and paper waste for job difficulties, such as run size and ink coverage, and for various types of paper. *(To learn about Difficulty Tables, see "Difficulty Table" in this chapter.)*

Press B



Field Name	Description
Time...	Select "Use Paper Properties and Setup Table" in this field. "Paper Properties" refers to the Setup Time and Run Speed assigned to a Paper in its setup window, such as the following:  **Time... Field of a Paper Setup Window** *(For more information on Paper setup, see "Papers" in this chapter.)* When this Press is assigned to an Item, Printer's Plan will use the Setup Time per Plate and Run Speed assigned to the Paper. For

	other types of Setup, such as Wash and Ink Mix, it will look at the Setup Table of this Press. *(See the next field.)* ***"Standard" Press and other Presses of type B:*** *If you have more than one press that you would like to set up to use "Use Paper Properties" but the setup times and speeds of these presses differ from each other, the Paper Difficulty Table will help you make these distinctions. Do the following: Designate one of the Presses as your "standard" Press and assign the Setup Time and Run Speed to your Papers as if you are running them on this "standard" Press. Then, assign the adjustments for the other Presses in their Paper Difficulty Tables. (See "Difficulty Table" in this chapter.)*
Setup Table 	Set up this table as you would for Press A, but do not include the Plate setup.
Run Table	The Run Table is disabled because this press uses the speed assigned to the paper. *(To increase (or decrease) the press speed as the impression quantity increases, see "Difficulty Table" in this chapter.)*
Method between QtyBreaks	Since the Run Table is not used, there is no need to make a selection in this field.

Setup Table

Per	Minutes	Mat.Cost	Setup Price
Wash	15.00		
Mix	10.00		

NOTES/TIPS

You can set up a press multiple times, each with different properties to accommodate the differences in printing conditions. For example, you can set up a press for cut-size sheet printing and the same press a second time for printing envelopes which require different setup time, speed, and markup.