

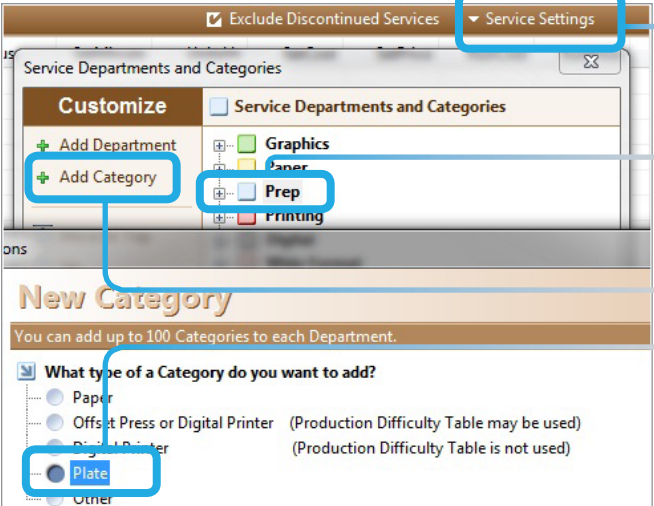
This section discusses Plates used with Offset Presses.

You must set up a Plate service in the category type “Plate”.

## Creating a Category Type “Plate”

- You can create a “Plate” category under any service department, such as “Printing” and “Prepress”.
- Printer’s Plan allows only one “Plate” category. If one already exists in your setup, you will not see the “Plate” option in the New Category window.

To create the Plate category (if you do not have it already):



The screenshot shows the 'Service Settings' window with the 'Service Departments and Categories' tab selected. The 'Customize' section on the left has 'Add Category' highlighted. The 'Service Departments and Categories' list on the right shows 'Graphics', 'Paper', 'Prep', and 'Printing'. The 'New Category' dialog is open, showing the 'What type of a Category do you want to add?' section with 'Plate' selected. Numbered callouts 1 through 4 guide the user through the steps.

- 1 Click **Service Settings**.
- 2 Select a **Department** in which you want to create the “Plate” category.
- 3 Click **Add Category**.
- 4 Select “Plate” and click **OK**.

## Setting Up a Plate Service

A sample Plate service setup:

Service No: 433 - Category No: 6 - Category Name: Plate - Category Type: Plate

**Service** **Plate: CTP Plate**

**General Properties**

Service Name: CTP Plate  
 Invoice Name: ~  
 Popup Reminder:  
 Default Note:

Sales Dept: Offset Printing

**Quantity** Plates

Waste... --- No Paper Waste ---

Cost: Material Cost only

Multiplier... 1.1

Price: Cost + Markup

Markup... % or # 25

Adjust... Bid Rush Special Multiply Markup  
 0.75 1.5 2

Minimum Price: 0 Modified... 2/16/2011

**CAUTION:** In the **Quantity** field, you must select one of the following two options only:

- **Plates**
- **---not used---**

(See the explanation for the "---not used---" option later in this section.)

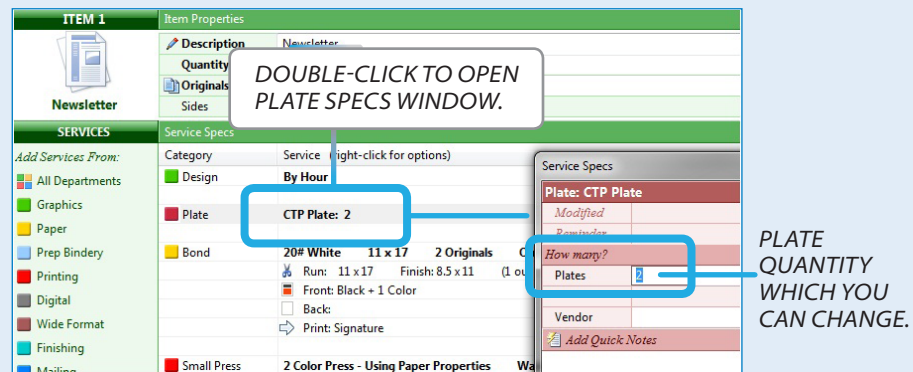
## How Printer's Plan uses the "Plate" Service in a Job

If the Press used in an Item has been assigned a default plate, Printer's Plan automatically calculates the required number of plates based on the following factors:

- Number of sides, number of up, and number of ink colors (from Paper Specs window in the Item),
- Printing Method, such as "Work and Turn" and "Signature", (from Paper Specs window in the Item), and
- Colors/Pass property of Press (from Press setup window).

**NOTE:**

- In an Item, you can change the number of assigned plates in the Plate Specs window.



Jobs | Job Window | Item Specs Window

- To reduce the number of plates required by Printer's Plan, see "About the '---not used---' Option in the Plate Window".

In addition to calculating the plate charges in an Item, Printer's Plan uses the number of plates to also calculate the:

- I. Setup time for the press, and
- II. Number of Setup Waste sheets.

These calculations are explained below.

## I. Calculating the Press Setup Time in an Item

$$\text{Total Press Setup Time} = \text{Setup Time/Plate} * \text{Number of Plates}$$

To calculate the Setup Time per Plate in an Item, Printer's Plan uses the information from the following fields:

- A. Either (a) or (b):
  - a) If the Press used in the Item is set up as "Use Setup and Run Tables (ignore Paper Properties)", then Printer's Plan reads the setup time from the **Setup Table** of the Press Window.

**Service** Large Press: 4 Color Press ● Active

**General Properties**

Service Name: 4 Color Press  
 Invoice Name: ~  
 Popup Reminder:  
 Default Note:

Sales Dept: Offset  
 Colors / Side: 4 / 0  
 Default Plate: Metal

**Pricing Properties**

Quantity: Impressions  
 Waste...  
 Time... Use Setup and Run Tables (ignore Paper Properties)

**Setup Table**

	Per	Minutes	Mat.Cost	Setup Price
Plate		8.00		
Wash		15.00		
Mix		15.00		

**Run Table**

QtyBreak	Units/Hour	Mat.Cost	Run Price
1000	6500.00		
5000	7500.00		

Mat.Cost: Run Price: Per Each

Services | Press Setup Window

- b) If the Press used in the Item is set up as "Use Paper Properties + Setup Table",

**Service** Small Press: 2 Color Press ●

**General Properties**

Service Name: 2 Color Press  
 Invoice Name: ~  
 Popup Reminder:  
 Default Note:

Sales Dept: Offset  
 Colors / Side: 2 / 0  
 Default Plate: CTP Plate

**Pricing Properties**

Quantity: Impressions  
 Waste...  
 Time... Use Paper Properties + Setup Table

**Setup Table**

	Per	Minutes	Mat.
Wash		18.00	
Mix		15.00	

**Run Table**

QtyBreak	Units/Hour	Mat.
1		

Services | Press Setup Window

then Printer's Plan reads the setup time from the **Time** field of the Paper Window.

**Services | Paper Setup Window**

- B. If there are printing difficulties applied to the Item, then the corresponding Setup Time/Plate from the **Difficulty Table** of the press is also added to the setup time calculated in (a) or (b) above. (For more information on the Difficulty Table, see “Difficulty Table” section in this chapter.)

Paper Difficulty Table					Job Difficulty Table					
Paper Waste Row	Add Time/Plate (minutes)	Reduce Speed (%)	Add Waste (sheets)	Add RunWaste (%)	Difficulty Group	Difficulty Level	Run Size Area (sq.inch)	Add Time/Plate (minutes)	Reduce Speed (%)	Add Waste (sheets)
1			20		Run Size	Smallest	9	8.00	20	10
2	2.00	1	50	1		Smaller than	21	8.00	20	10

**Services | Press Setup Window | Difficulty Table (Diff. Table)**

## II. Calculating the Setup Waste in an Item

Total Setup Waste = Setup Waste/Plate \* Number of Plates

To calculate the Setup Waste per Plate in an Item, Printer's Plan uses the information from the following fields:

- A. Either (a) or (b):
- If the press assigned to the Item is using the Paper's Waste properties or a Waste Table row, then Printer's Plan reads the setup waste from the **Setup (sheets)** column of the **Waste Table**.

If press **Waste...** field looks like one of the following,

or

then Printer's Plan looks at this column.

**Waste Table**

Setup sheets are per paper for digital printers and per plate for offset presses.  
NOTE: Use Row# 20 to limit waste for bindery and other services. See Difficulty Table for a

		Break 1	Break 2	Break 3
0	#Impressions/Run Size Sheet ->	100	500	1000
Row #	Waste Description	Setup (sheets)	%	%
1		10	2.00	5.00
2		15	12.00	10.00
3		20	15.00	12.00

SETUP WASTE PER PLATE

Services | Paper/Press Setup Window | Waste Table

- b) If the press used in the Item is assigned "Use following Waste Properties:" in the **Waste...** field, then Printer's Plan reads the setup waste from the **Setup (sheets)** field of the press.

SETUP WASTE PER PLATE

Services | Press Setup Window | Waste... Field

- B. If there are printing difficulties applied to the Item, then the corresponding Setup Waste from the **Difficulty Table** of the press is also added to the setup waste calculated in (a) or (b) above. (For more information on the Difficulty Table, see "Difficulty Table" section in this chapter.)

ADDITIONAL SETUP WASTE PER PLATE

Paper Difficulty Table					Job Difficulty Table					
Paper Waste Row #	Add Time/Plate (minutes)	Reduce Speed (%)	Add Waste (sheets)	Add Run Waste (%)	Difficulty Group	Difficulty Level	Run Size Area (sq.inch)	Add Time/Plate (minutes)	Reduce Speed (%)	Add Waste (sheets)
1			20		Run Size	Smallest	90	8.00	2	10
2	2.00		50	1		Smaller than	216	8.00	2	10

Services | Press Setup Window | Difficulty Table (Diff. Table)

## Default Plate

You may assign a default plate to a press or you may leave the field blank.

The screenshot shows the 'Services | Press Setup Window' for a 'Small Press: 2 Color Press - Using Paper Properties'. The 'General Properties' section includes fields for Service Name, Invoice Name, Popup Reminder, and Default Note. The 'Sales Dept' is set to 'Offset'. The 'Colors / Side' is set to '2 / 0'. The 'Default Plate' dropdown menu is open, showing three options: 'CTP Plate' (highlighted), 'In-File', and 'Metal'.

Services | Press Setup Window

### If a Default Plate is Assigned to a Press:

The screenshot shows the 'Services | Press Setup Window' for a 'Small Press: 2 Color Press - Using Paper Properties'. The 'General Properties' section includes fields for Service Name, Invoice Name, Popup Reminder, and Default Note. The 'Sales Dept' is set to 'Offset'. The 'Colors / Side' is set to '2 / 0'. The 'Default Plate' field is set to 'CTP Plate'.

Services | Press Setup Window

Printer's Plan automatically assigns the default plate of the press to an Item in the calculated quantity. You may then replace the default plate with another one or change its quantity.

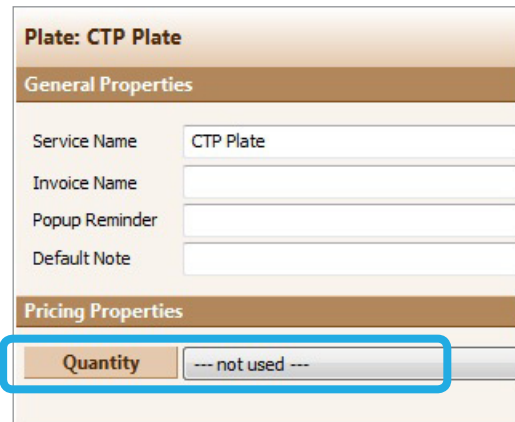
### If No Default Plate is Assigned to a Press:

The screenshot shows the 'Services | Press Setup Window' for a 'Small Press: 2 Color Press - Using Paper Properties'. The 'General Properties' section includes fields for Service Name, Invoice Name, Popup Reminder, and Default Note. The 'Sales Dept' is set to 'Offset'. The 'Colors / Side' is set to '2 / 0'. The 'Default Plate' field is empty.

Printer's Plan does not add a Plate to the Item. You must manually add it in the Item Specs window and assign its quantity.

**NOTE:** You may also use this option for digital printers which you may want to set up in the "Offset" category since digital printers do not use plates.

## About the “--- Not Used ---” Option in the Quantity Field



The screenshot shows a window titled "Plate: CTP Plate". It has two main sections: "General Properties" and "Pricing Properties". Under "General Properties", there are four text input fields: "Service Name" (containing "CTP Plate"), "Invoice Name", "Popup Reminder", and "Default Note". Under "Pricing Properties", there is a "Quantity" field. A blue rectangle highlights the "Quantity" field, which contains the text "--- not used ---".

Services | Plate Setup Window

If you select the “--- not used ---” option in the **Quantity** field of a Plate, Printer’s Plan will not add press setup time for this plate.

### **EXAMPLE OF WHEN TO USE A “--- NOT USED ---” PLATE:**

*Assume you are running a 2-sided job, 1-up, and one color each side. Printer’s Plan assumes that the front and back side images are different from each other and requires two plates for these specifications. However, if both sides of the sheet will be the same image, the job needs only one plate. Replacing one of the assigned plates with the “---not used---” plate allows you to meet both Printer’s Plan’s and your requirements.*

If you do not want Printer’s Plan to add cost and price for this plate, select the “No Cost/No Price” option in the **Cost** field of the Plate setup window.



The screenshot shows the 'Services | Plate Setup Window' with two main sections: 'General Properties' and 'Pricing Properties'.

**General Properties:**

- Service Name: CTP Plate
- Invoice Name: (empty)
- Popup Reminder: (empty)
- Default Note: (empty)
- Sales Dept: Pla

**Pricing Properties:**

- Quantity: --- not used ---
- Waste...: --- No Paper Waste ---
- Cost:** --- No Cost --- No Price --- (highlighted with a blue box)

Services | Plate Setup Window

## Viewing the Setup Time and Setup Waste Calculated in an Item

You can see the Press setup time and Setup Waste calculated in an Item by opening the "Edit Costs" window of the Item and viewing the "Quantity Detail" of the Press and Paper.

COSTS: Order 2433 - ITEM 1

**Welcome Brochures**

If you change the Service Price of the Service, Markup will be recalculated. Right-click a '+' field for more options.

SERVICE	TIME		
	Cost Per Hour	Actual Time	Charge Time
Category: Name			
Design: Brochure	52.0020	1:40	1:40
Text Coated: 80# Sterling Ultra M...			
Plate: CTP Plate			
Small Press: 2 Color Press	100.0000	12:48	12:48
Current Total (of values above)		14:28	14:28
Margin = Price - Cost			
Default Pricing		14:28	14:28

Buttons: Preview Service, Quantity Detail (highlighted with a blue box), Saved vs Default

HIGHLIGHT PRESS OR PAPER AND THEN CLICK **QUANTITY DETAIL**.

Jobs | Job Window | Edit Costs Window

Quantity Detail	How Service Quantity is Calculated	
	Small Press: 2 Color Press	
Equal to	24,280	Impressions
Divide by	0	
Multiply by	0	
Round to	0	
Colors/Pass	2 / 0	
Passes	2	
Sides	1	
Plates	4	Special Plates: 0
Coverage	0	
Register	0	
PrintAs	0	
Washups	2	
Mixes	0	
Bleeds	0	
SERVICE TIME	12:48	
Setup	1:50	
Run	10:58	(24,280 @ 2216 per Hour)
SETUP TIME:	Using Paper Properties	
	36 minutes	2 Wash x 18
	34 minutes	4 Plates x 8.5 Minutes/Plate (Paper's Setup Time)
	4 minutes	(Paper Difficulty)
	36 minutes	4 Plates x 9 (Job Difficulties: Larger Size, Side2)
RUN SPEED:	3200	from Paper's Run Speed Property
	2880	after 10% reduction for Paper Difficulty
	2015	after 30% reduction for Job Difficulties Larger Size, Side2
	2216	after 10% increase for Press Run Length

PRESS SETUP TIME

Quantity Detail Window of the Press

Quantity Detail	How Service Quantity is Calculated	
	Text Coated: 80# Sterling Ultra Matte	
Equal to	12,140	Parent Size Sheets
Divide by	0	
Multiply by	1	
Round to	0	
Sheets	1	
Parts	1	
Out	1	
Up	1	
Side1	7	
Side2	7	
Passes	2	
Caliper	0.00631164	
Run Qty	10,000	(before waste)
+ Set Waste	160	(10 + 0 + 30) x 4 plates / 1 out (WasteRow 1 + PapDif 1 + JobDif)
+ Run Waste	1500	(3.5 % + 0 % + 0 %) x 10000 x 2 passes
PAPER QUANTITY:		
Parent	12,140	
Run	12,140	
Finish	10,000	

PAPER SETUP WASTE

Quantity Detail Window of the Paper