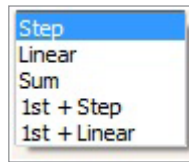


Step, Linear, and Sum Methods

When you set up a **Run Table** or **Price Table** with variable quantity breaks, you must select the method that you want Printer's Plan to use in order to calculate the amounts between quantity breaks. In Printer's Plan, this calculation is referred to as "interpolation". Five interpolation methods are available:



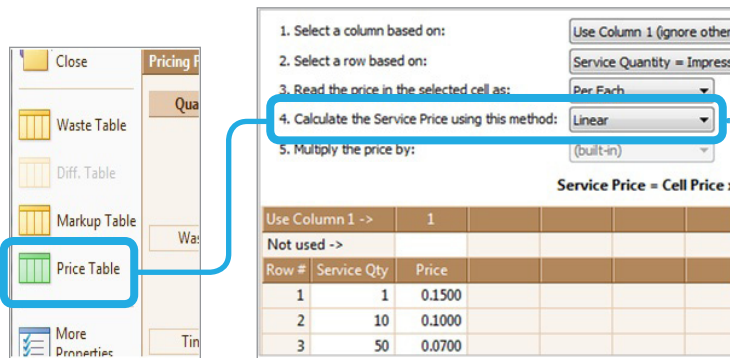
Selecting the Interpolation Method for the Run Table



CLICK THE ARROW TO SELECT THE INTERPOLATION METHOD.

Services | Service Setup Window

Selecting the Interpolation Method for the Price Table



CLICK THE ARROW TO SELECT THE INTERPOLATION METHOD.

Services | Service Setup Window

Services | Service Setup Window | Price Table

Step, Linear, and Sum Methods - Examples

Sample Table
The following examples refer to this table:

Quantity Breaks	Unit Cost or Price	Units/Hour
100	10.00	1000
500	5.00	2000
1000	1.00	3000

<p>Step Method</p>	<p>Between quantity breaks, Unit Cost/Price and Speed remain constant.</p>	<table border="1"> <thead> <tr> <th>If Quantity is</th> <th>Calculated Cost or Price</th> <th>Calculated Units/Hours</th> </tr> </thead> <tbody> <tr> <td>1 – 100</td> <td>10.00</td> <td>1000</td> </tr> <tr> <td>101 - 500</td> <td>5.00</td> <td>2000</td> </tr> <tr> <td>501 - 1000</td> <td>1.00</td> <td>3000</td> </tr> <tr> <td>1000+</td> <td>1.00</td> <td>3000</td> </tr> </tbody> </table>	If Quantity is	Calculated Cost or Price	Calculated Units/Hours	1 – 100	10.00	1000	101 - 500	5.00	2000	501 - 1000	1.00	3000	1000+	1.00	3000						
If Quantity is	Calculated Cost or Price	Calculated Units/Hours																					
1 – 100	10.00	1000																					
101 - 500	5.00	2000																					
501 - 1000	1.00	3000																					
1000+	1.00	3000																					
<p>Linear Method</p>	<p>Between quantity breaks, Unit Cost/Price and Speed change in proportion to the change in quantity.</p>	<table border="1"> <thead> <tr> <th>If Quantity is</th> <th>Calculated Cost or Price</th> <th>Calculated Units/Hours</th> </tr> </thead> <tbody> <tr> <td>1 – 100</td> <td>10.00</td> <td>1000</td> </tr> <tr> <td>300</td> <td>7.50</td> <td>1500</td> </tr> <tr> <td>500</td> <td>5.00</td> <td>2000</td> </tr> <tr> <td>800</td> <td>2.60</td> <td>2600</td> </tr> <tr> <td>1000</td> <td>1.00</td> <td>3000</td> </tr> <tr> <td>1000+</td> <td>1.00</td> <td>3000</td> </tr> </tbody> </table>	If Quantity is	Calculated Cost or Price	Calculated Units/Hours	1 – 100	10.00	1000	300	7.50	1500	500	5.00	2000	800	2.60	2600	1000	1.00	3000	1000+	1.00	3000
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800	2.60	2600																					
1000	1.00	3000																					
1000+	1.00	3000																					
<p>Sum Method</p>	<p>Printer's Plan calculates the price for each quantity range separately using the Sum Method, then adds all the prices to arrive at the total price.</p> <p>NOTE: This method is used for Unit Cost and Price, not for Units/Hour.</p>	<table border="1"> <thead> <tr> <th>Quantity Range</th> <th>=</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>First 100 units</td> <td>100 x \$10</td> <td>\$1,000</td> </tr> <tr> <td>Next 400 units (500 – 100)</td> <td>400 x \$5</td> <td>\$2,000</td> </tr> <tr> <td>Next 500 units (1000 – 500)</td> <td>500 x \$1</td> <td>\$500</td> </tr> <tr> <td>Next 200 units (1200 – 1000)</td> <td>200 x \$1</td> <td>\$200</td> </tr> <tr> <td>Total Price of 1200 units</td> <td></td> <td>\$3,700</td> </tr> </tbody> </table>	Quantity Range	=	Price	First 100 units	100 x \$10	\$1,000	Next 400 units (500 – 100)	400 x \$5	\$2,000	Next 500 units (1000 – 500)	500 x \$1	\$500	Next 200 units (1200 – 1000)	200 x \$1	\$200	Total Price of 1200 units		\$3,700			
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Next 200 units (1200 – 1000)	200 x \$1	\$200																					
Total Price of 1200 units		\$3,700																					

1st + Step Method - Example

Sample Table

The following example refers to this table:

Quantity Breaks	Unit Price (\$)
1	25.00
100	2.00
500	1.00

1st + Step

This method is similar to the Step Method. The only difference is that the price of the first unit is always the same.

If Quantity	=	Total Price
80	$\$25 + (79 \times \$2)$	\$183
100	$\$25 + (99 \times \$2)$	\$223
300	$\$25 + (299 \times \$1)$	\$324

1st + Linear Method - Example

Sample Table

The following example refers to this table:

Quantity Breaks	Unit Price (\$)
1	25.00
2	2.00
100	2.00
500	1.00

1st + Linear

This method is similar to the Linear Method. The only difference is that the price of the first unit is always the same.

NOTE: You must set up the second row the same as shown in the table. (Break quantity as 2 and its Unit Price the same as the price of the third quantity break.)

At quantity of 80:

Unit price at 80 = \$2.00 (= \$2 for quantities 2 through 100)

Total price = $\$25 + (79 \times 2) = \183

At quantity of 300:

Unit price at 300 = \$1.50 (interpolated linearly)

Total price = $\$25 + (299 \times \$1.50) = \$473.50$