

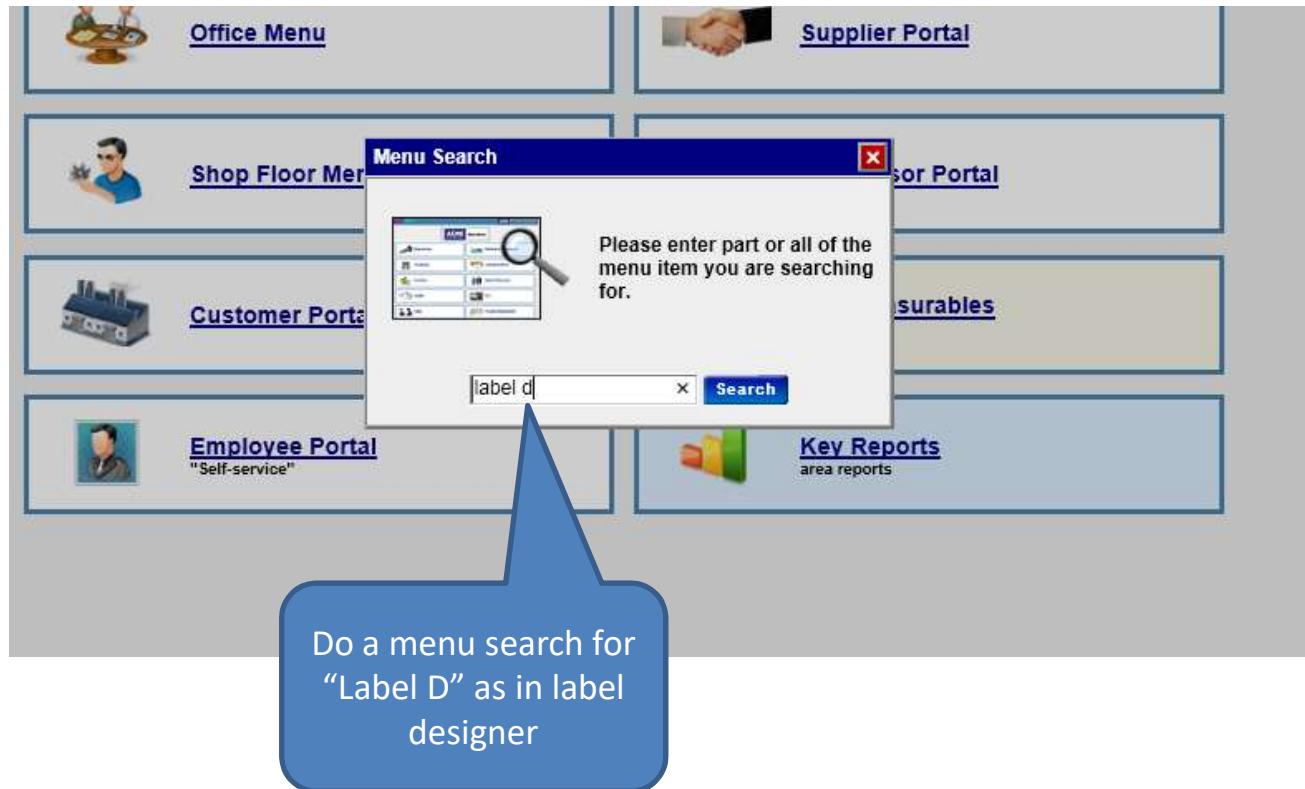
Label Designer Instructions

How to Create or Modify a customer
label in PLEX

Label Designer Overview

- Navigation
- Label Designer
- Form
- Elements
- Modification
- Creation
- Viewing
- Configuration

Navigation: Menu Search



Navigation: Label Setup Menu



Label Designer: Existing Labels

Customer Label Designer

Name: of Customer Label Format:

Label Type:

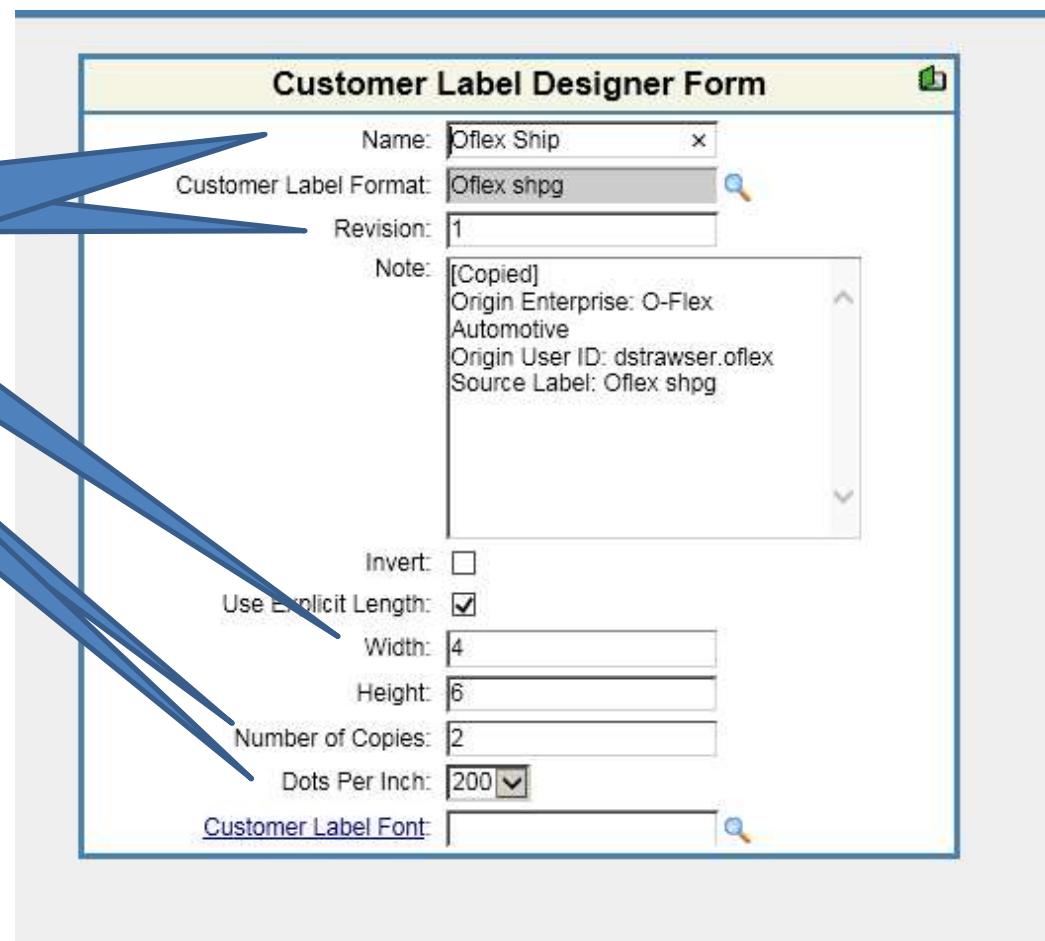
Label Type	Name	Customer Label Format	Revision	Note	Width	Height	Invert	Number of Copies	Add Element Data	Edit Element Data
Container	Oflex Rcvg	Oflex Rcvg		1 [Copied] Origin Enterprise: O-Flex Automotive Origin User ID: dstrawser.oflex Source Label: Oflex Rcvg	4	6		2		
	Oflex Rcvg X1	Oflex Rcvg X1		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: sangus.oflex Source Label: Oflex Rcvg	4	6		1		
	Oflex Rcvg X1 BIG	Oflex Rcvg X1 BIG		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: sangus.oflex Source Label: Oflex Rcvg X1	4	6		1		
	Oflex Rcvg X1 BIG DATE	Oflex Rcvg X1 BIG DATE		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: sangus.oflex Source Label: Oflex Rcvg X2 BIG DATE	4	6		1		
	Oflex Rcvg X2 BIG	Oflex Rcvg X2 BIG		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: sangus.oflex Source Label: Oflex Rcvg X1 BIG	4	6		2		
	Oflex Rcvg X2 BIG DATE	Oflex Rcvg X2 BIG DATE		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: sangus.oflex Source Label: Oflex Rcvg X2 BIG	4	6		2		
	Oflex Shpg	Oflex Shpg		1 [Copied] Origin Enterprise: O-Flex Automotive Origin User ID: dstrawser.oflex Source Label: Oflex shpg	4	6		2		
	Oflex Ship	Oflex Ship		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: sangus.oflex Source Label: Oflex Ship	4	6		2		
	Oflex Suspect	Oflex Suspect		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: dstrawser.oflex Source Label: Oflex WIP	4	6		1		
	Oflex WIP	Oflex WIP		1 [Copied] Origin Enterprise: O-Flex Automotive Origin User ID: dstrawser.oflex Source Label: Oflex WIP	4	6		1		
	Oflex WIP (wLastContainer)	Oflex WIP (wLastContainer)		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: dstrawser.oflex Source Label: Oflex WIP	4	6		1		
Master Unit	Oflex Master INTERNAL	Oflex Master INTERNAL		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: dstrawser.oflex Source Label: Oflex Master Load	4	6		1		
	Oflex Master Load	Oflex Master Load		1 [Copied] Origin Enterprise: O-Flex Automotive Origin User ID: dstrawser.oflex Source Label: Oflex Mixed Load	4	6		1		
Mixed Load	Oflex Mixed Load	Oflex Mixed Load		1 Copy of Label Format "Inteva Shipping Y13 ZPL Mixed 4x6" (4617)	0	0		1		
	Oflex/Nissan Mixed Load Label	Oflex/Nissan Mixed Load Label		1 [Copied] Origin Enterprise: O-Flex MFA Origin User ID: sangus.oflex Source Label: Mixed Load Label	4	6		1		

Click on the Name of the Label to navigate to the Label Form

Click on the "Pencil" to navigate to the Elements detail

Label Form

Label Form contains:
Name, Revision,
Dimensions, Copies,
and DPI



Label Elements

Customer Label Elements

Customer Label: Oflex WIP X Position: Y Position:

Label Type	Edit	X Position	Y Position	Label Page	Width	Thickness	Height	Text Width	Text Height	Text Rotation	Barcode Type	Barcode Height	Barcode Rotation	X Mag	Y Mag	Raw Data	Datasource Value	Datasource Name
Line		25	0	1	0	0.25	150											
		0	85	1	100	0.25	0											
		50	0	1	0	0.25	150											
		75	0	1	0	0.25	85											
		0	1	50	0.25	0												
		87	85	25	25	75												
Text		93	5	1				3	3	90						Item / Part		
		18	5	1				3	3	90						Date / Time		
		44	5	1				3	3	90						Last Operation		
		63	5	1				3	3	90						Quantity		
		20	1					3	3	90						Date/Time		
		52	8													Quantity	Container_Info_Get	
		76	5	1												Part_Name	Container_Part_Info_Get	
		40	88	1												Serial_No	Container_Info_Get	
		45	90	1												Serial		
		14	30	1												JOB:^		
		85	5	1												Part_No	Container_Part_Info_Get	
		86	103	1												WIP		
		30	5	1												Operation_Code	Container_Operation_Info_Get	
		9	5	1												Add_Date_HH	Container_Info_Get	
		15	5	1												Add_Date_MM	Container_Info_Get	
		35	52					5	5	90						Workcenter_Code	Container_Next_Part_Operation_Info_Get	
		70	1					6	6	90						Lot:^	Tracking_No	Container_Info_Get
		55	1					3	3	90						Next Operation		
		10	30	1				3	3	90						Job_No	Container_Job_Info_Get	
Barcode		53	90	1					Code 3 of 9	12	90					Tracking_No	Container_Info_Get	
		27	86	1					Code 3 of 9	9	90					Serial_No	Container_Info_Get	
Image		5	104	1								1	1					

Elements are categorized as Lines, Text, Barcode, or Images

Modification of Elements

Print Sample
Preview Label
Add

Customer Label Elements

Customer Label:

X Position:

Y Position:

Search

Label Type	Edit	X Position	Y Position	Label Page	Width	Thickness	Height	Text Width	Text Height	Text Rotation	Barcode Type	Barcode Height	Barcode Rotation	X Mag	Y Mag	Raw Data	Datasource Value
Line		25	0	1	0.25	0.25	150										
		1	80	1	50	0.25	0.25										
		50	0	1	0.25	0.25	150										
		76															
		50	63														
		63	75														
		63	63														
		12	80														
		37	80	1	0.25	0.25	150										
		98	1	1	0.25	0.25	150										
Text		90	5	1				3	2	90					Part (P)		
		20	5	1				3	2	90					Serial (S)		
		46	5	1				3	2	90					Supplier		

Click on the “Pencil” to modify the Elements detail

Modification of Line Element (X Position)

Customer Label Element

Customer Label: Oflex Rcvg

Label Type: Line

Label Element:

X Position: 25 (circled)

Y Position: 10

Label Page: 1

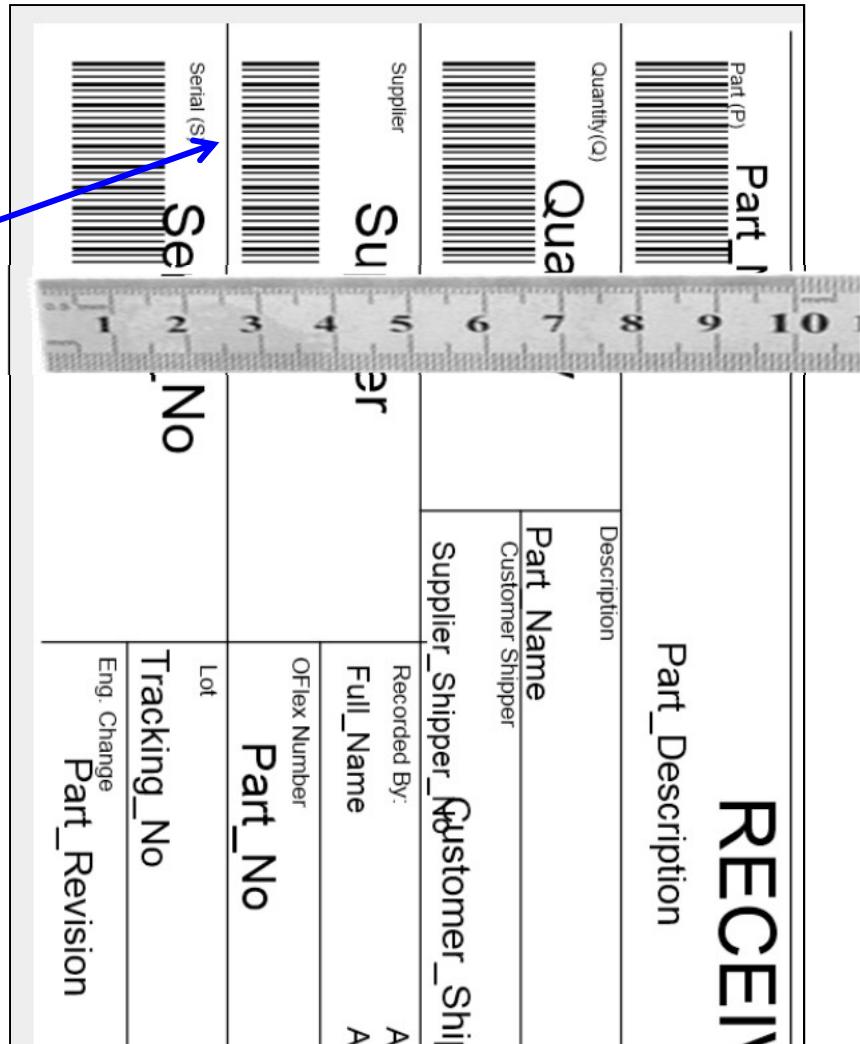
Line

Width: 0.25

Thickness: 0.25

Height: 150.00

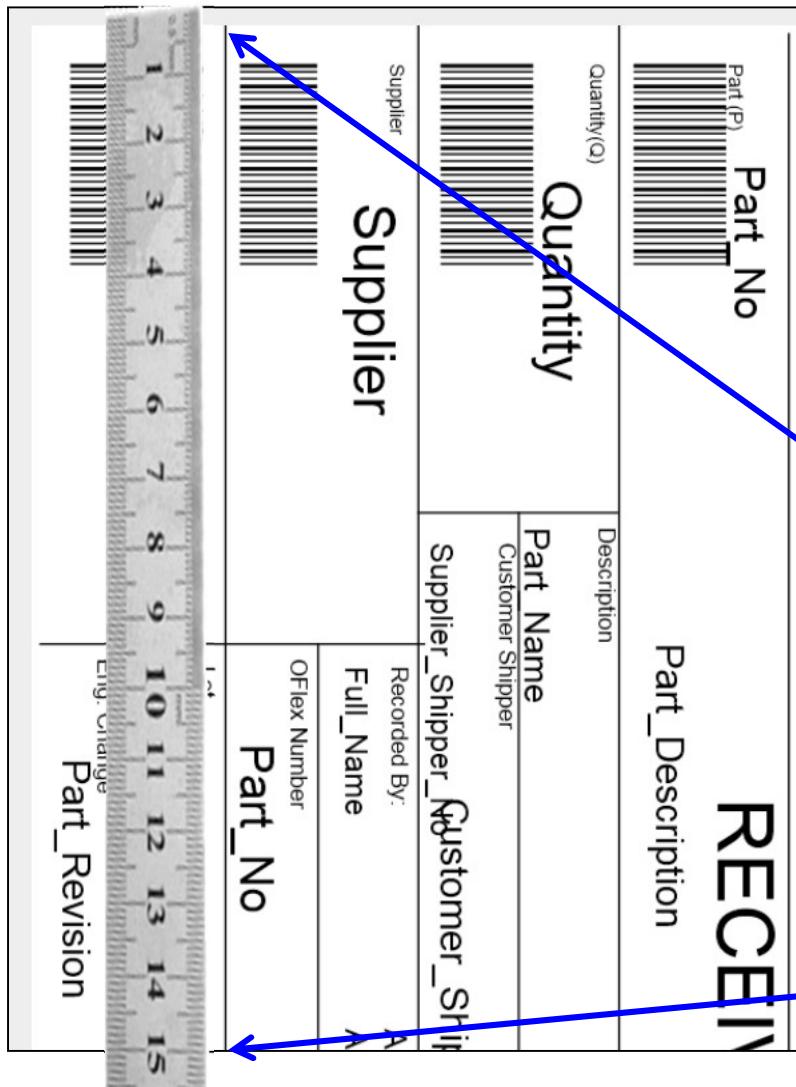
← X Position →



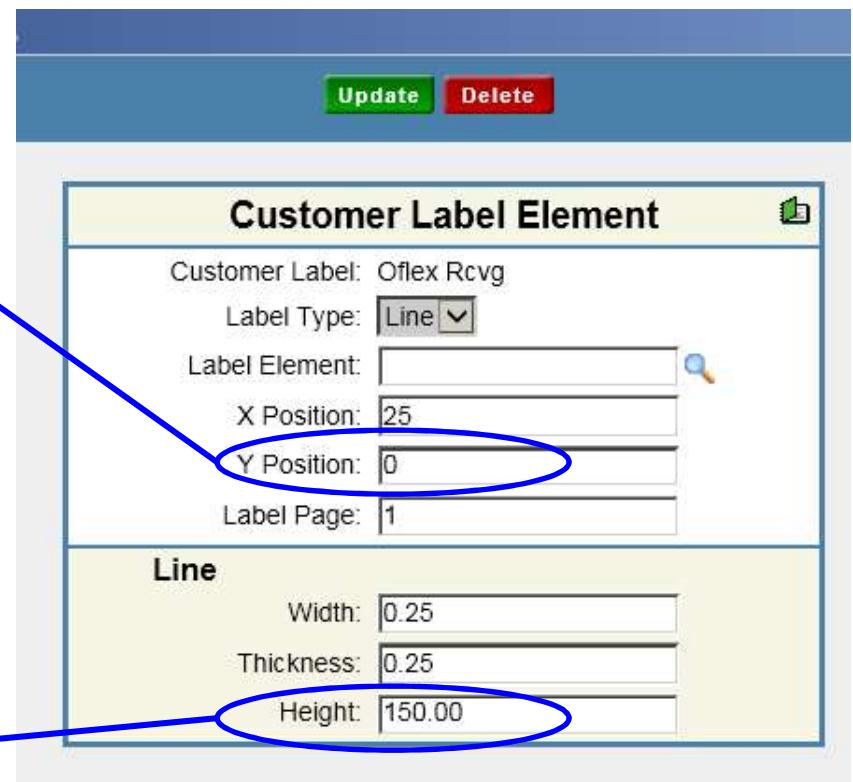
*Element dimensions are in millimeters

*Large numbers on scale are in Centimeters (x10mm)

Modification of Line Element (Y Position)



*Element dimensions are in millimeters



Modification of Text Location

*Element dimensions are in millimeters

← Y Position →

← X Position →

← Y Position →

← X Position →

X = 90mm

Y = 5mm

Customer Label Element

Customer Label: Oflex Rcvg

Label Type: Text

Label Element:

X Position: 90

Y Position: 5

Label Page: 1

Text

Text Rotation: 90

Text Width: 3.00

Text Height: 2.00

Text Block

Block Length: 20

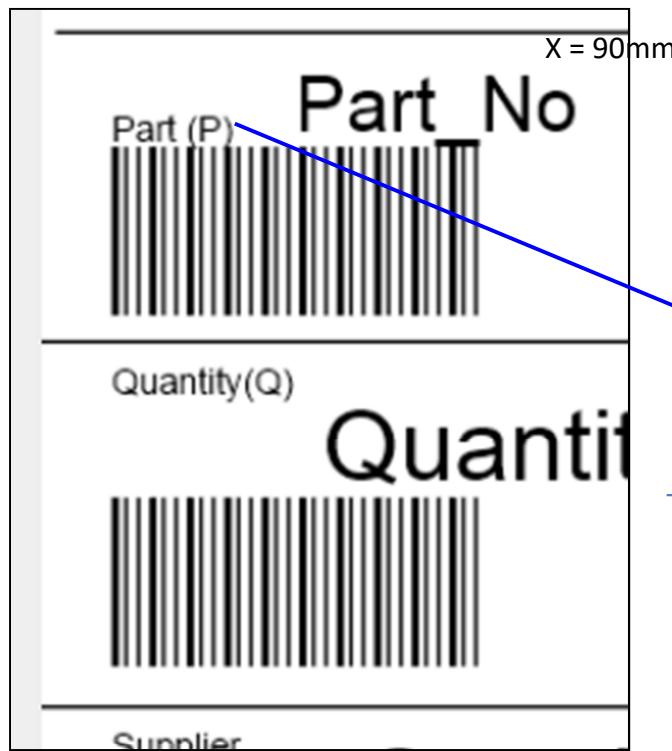
Lines Per Block: 2

Justification: Left

“Raw Data” is that which does not change, i.e. static

Customer Element Data Add										
Print Order	Raw Data	Datasource Value	Datasource Name	Attribute	X Position	Y Position	Upper Case	Row Index	Inverse Print	
1	Part (P)				90	5	✓	1		

Modification of Text Dimensions



*Element dimensions are in millimeters

Customer Label Element

Customer Label:	Oflex Rcvg
Label Type:	Text
Label Element:	<input type="text"/>
X Position:	90
Y Position:	5
Label Page:	1

Text

Text Rotation:	90
Text Width:	3.00
Text Height:	3.00

Text Block

Block Length:	20
Lines Per Block:	1
Justification:	Left

**"Block length" must be higher value than width of all characters, or line of text will wrap!

**"Lines Per Block" requires Higher values if wrapping of text is desired!

Label Fields: Text vs. Data

Customer Label Element

Customer Label: Oflex Rcvg	Label Type: <input type="button" value="Text"/>
Label Element: <input type="text"/>	<input type="button"/>
X Position: 73	
Y Position: 65	
Label Page: 1	

Text

Text Rotation: 90	<input type="button"/>
Text Width: 3.00	
Text Height: 3.00	

Text Block

Block Length: 20	
Lines Per Block: 1	
Justification: Left	<input type="button"/>

Customer Element Data

Print Order	Raw Data	Datasource Value	Datasource Name	Attribute	X Position	Y Position	Upper
1	Description				73	65	

Customer Label Element

Customer Label: Oflex Rcvg	Label Type: <input type="button" value="Text"/>
Label Element: <input type="text"/>	<input type="button"/>
X Position: 15	
Y Position: 23	
Label Page: 1	

Text

Text Rotation: 90	<input type="button"/>
Text Width: 6.00	
Text Height: 9.00	

Text Block

Block Length: 30	
Lines Per Block: 1	
Justification: Left	<input type="button"/>

Customer Element Data

Print Order	Raw Data	Datasource Value	Datasource Name	Attribute	X Position	Y Position	Upper
1	Serial_No	Container_Info_Get			15	23	

“Raw Data” is that which **does not** change, i.e. static verbiage on label

“Data Source ” data is that which is populated from the database, i.e. customer address, container serial, etc.

Both can be accessed by clicking on the “print order” hyper link

Datasources Requiring Identifiers

Label Type	Edit	X Position	Y Position	Label Page	Width	Thickness	Height	Text Width	Text Height	Text Rotation	Barcode Type	Barcode Height	Barcode Rotation	X Mag	Y Mag	Raw Data	Datasource Value	Datasource Name
Barcode		6	5	1							Code 3 of 9	10	90		S	Numeric_Serial_No_Padded_Left_9_Zeros	Container_Info_Get	
		26	5	1							Code 3 of 9	10	90		V	Supplier	Container_Ship_Customer_Info_Get	
		76	5	1							Code 3 of 9	10	90		P	Part_No	Container_Part_Info_Get	
		51	5	1							Code 3	10	90		O		Container_Info_Get	

- Datasource fields may require “qualifiers” or “identifiers”
- This can be done by adding a “Raw Data” field before the “Datasource” field

Example: Supplier requiring an “V” as an identifier

Customer Label Element - Daniel Strawser - Windows Internet Explorer provided by Plex Systems, Inc.

Customer Label: Cooper Container Revision

Label Type: Barcode

Label Element:

X Position: 26

Y Position: 5

Label Page: 1

Barcode

Barcode Type: Code 3 of 9

Barcode Height: 10.00

Barcode Rotation: 90

Check Digit:

Customer Label Barcode Attributes

Attribute	Note	Required Attribute	Value	Sort	Barcode Type
Module Width	Module Width (In Dots)	✓	3	10	Code 3 of 9
Wide Bar to Narrow Bar Ratio	Module Width (In Dots)	✓	3	20	Code 3 of 9

Customer Element Data **Add**

Print Order	Raw Data	Datasource Value	Datasource Name	Attribute	X Position	Y Position	Upper Case	Row Index	Invert Print
1	V				26	5		1	
2	Supplier	Container_Ship_Customer_Info_Get			26	5		1	

“V” is added as “Raw Data” with a Print Order of “1”

“Supplier” is added as “Datasource Value” with a Print Order of “2”

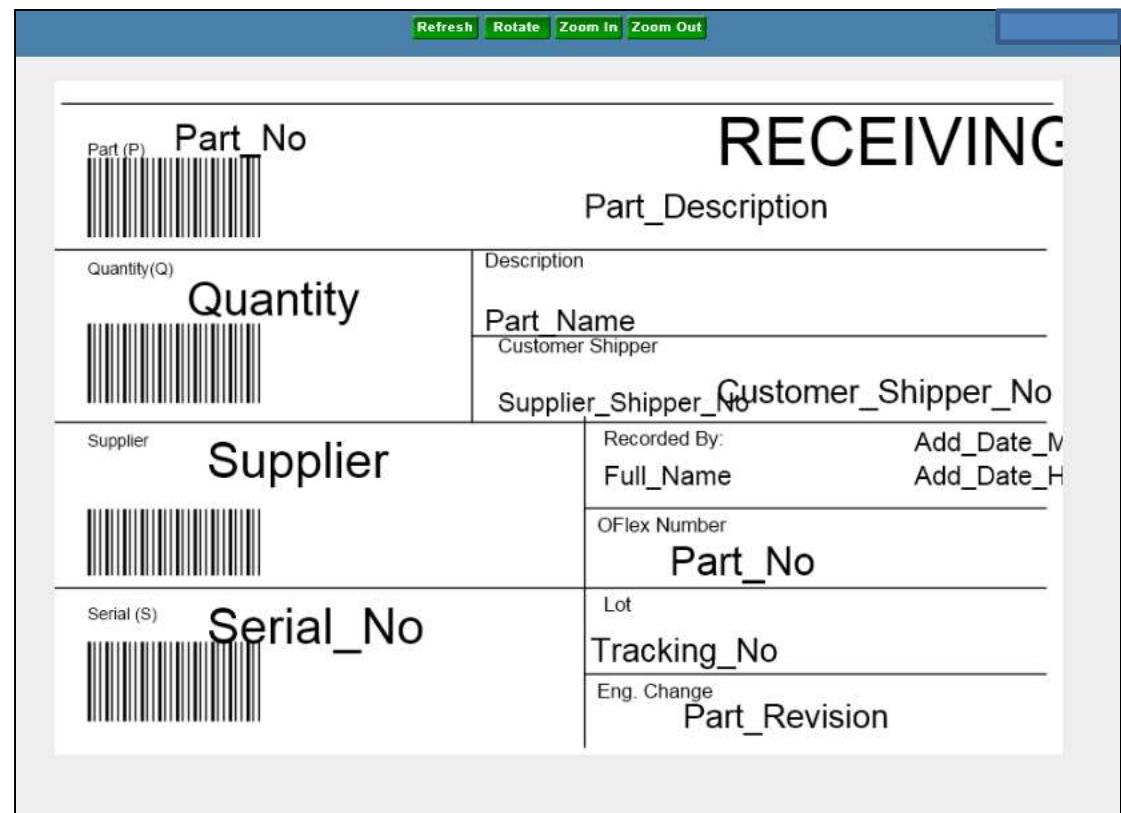
Both Data Values contain a “Row Index” of “1”

- Print Order signifies which data value prints first
- Row Index signifies on which row the data value will print (if there were multiple rows)

Preview A Sample Label

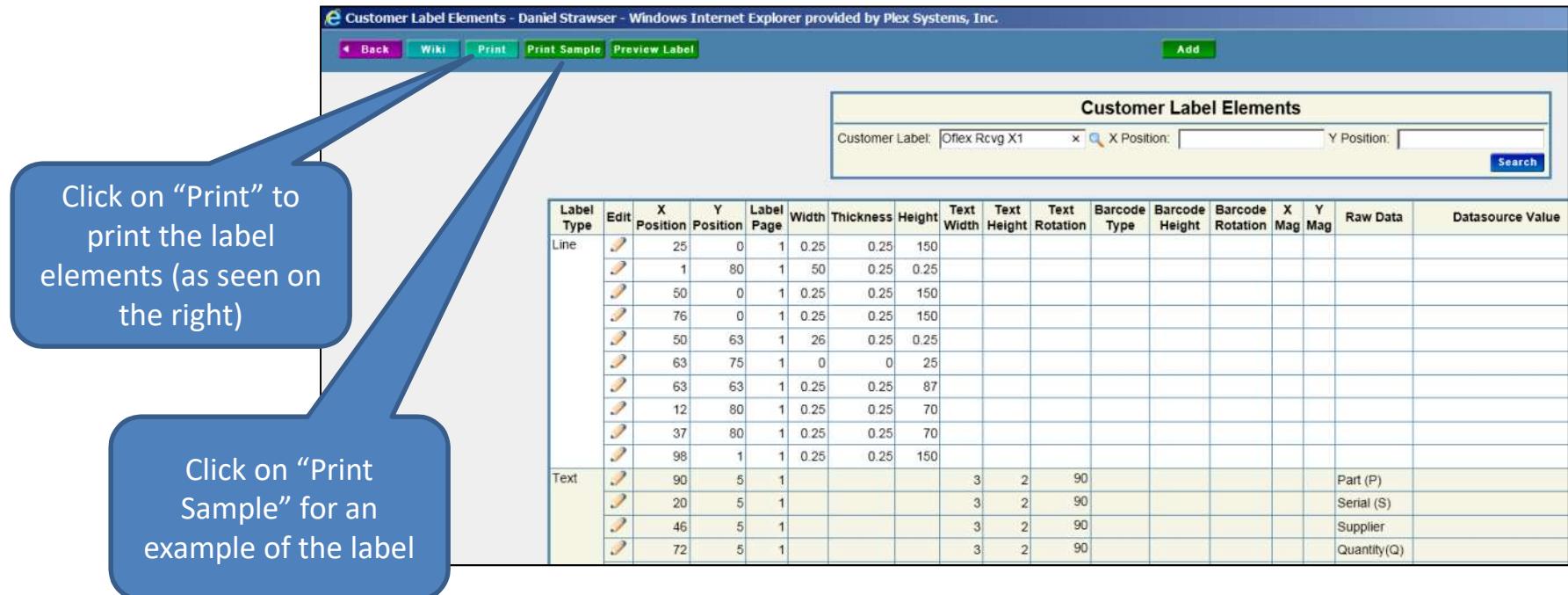


Click on “Preview Label” to view the label on the screen



- “Preview Label” represents lines, text, barcodes, and dimensions
- “Print Label” will only show “Data Source” field names rather than data
- Actual printouts are recommended as browsers and plugins affect previews

Print A Sample Label



Customer Label Elements - Daniel Strawser - Windows Internet Explorer provided by Plex Systems, Inc.

Back Wiki Print Print Sample Preview Label Add

Customer Label Elements

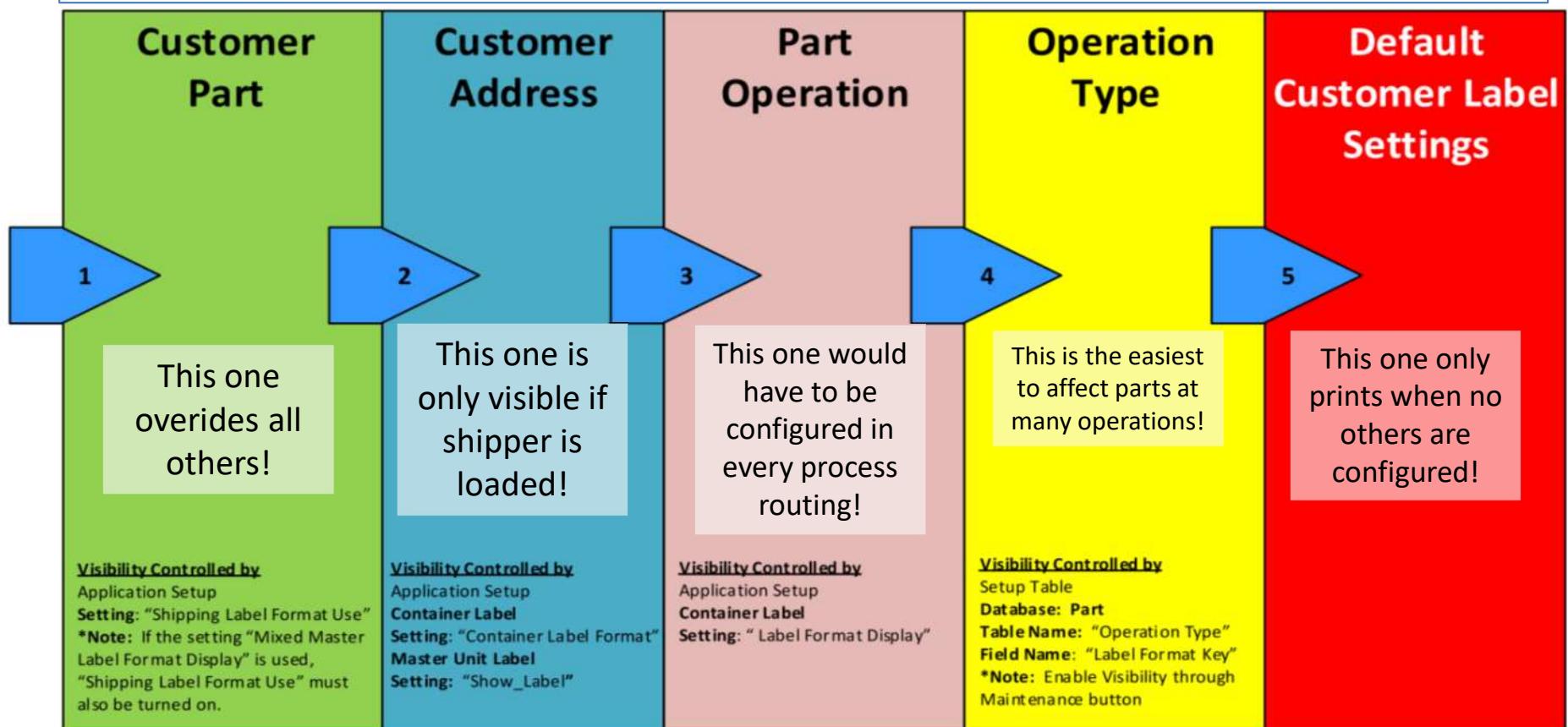
Customer Label: Oflex Rcvg X1 X Position: Y Position: Search

Label Type	Edit	X Position	Y Position	Label Page	Width	Thickness	Height	Text Width	Text Height	Text Rotation	Barcode Type	Barcode Height	Barcode Rotation	X Mag	Y Mag	Raw Data	Datasource Value
Line		25	0	1	0.25	0.25	150										
		1	80	1	50	0.25	0.25										
		50	0	1	0.25	0.25	150										
		76	0	1	0.25	0.25	150										
		50	63	1	26	0.25	0.25										
		63	75	1	0	0	25										
		63	63	1	0.25	0.25	87										
		12	80	1	0.25	0.25	70										
		37	80	1	0.25	0.25	70										
		98	1	1	0.25	0.25	150										
Text		90	5	1				3	2	90						Part (P)	
		20	5	1				3	2	90						Serial (S)	
		46	5	1				3	2	90						Supplier	
		72	5	1				3	2	90						Quantity(Q)	

- “Print Sample” is generated from random inventory
- “Print Sample” may not include some data source info .i.e shipper, PO, etc.

Specific Label Printing: Configuration Precedence

- Proper configuration is required to see a specific label, i.e. part, shipper, PO, Customer, etc.
- See Precedence chart below to help understand configuration
- Default Label format only prints if no other labels are configured
- Most labels including WIP and FG at O-Flex are configured at the “Operation Type”
- More specific part labels are configured by Part Operations in the process routings
- Shipping specific labels are generally configured on the “Ship To” address from the Customer List
- The Customer Part shipping label overrides all other labels and is found through the parts list



Label Validation

- Labels should be verified against customer requirements, i.e. dimensions, language, color, data, quantity, scan-ability, etc.
- Simulate production and shipping using Test Database to simulate actual conditions, i.e. printer, operation, location, operators, etc.
- Verify barcode function using scanner, label, backing, pc, etc.

provided by Plex Systems, Inc.

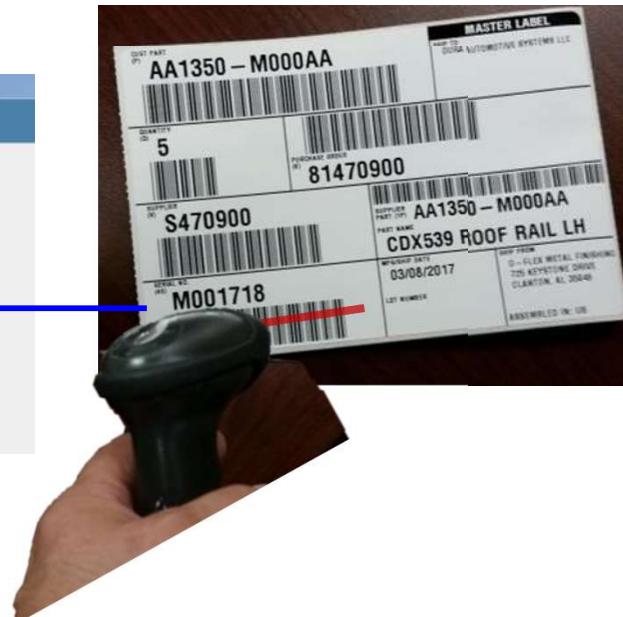
Add Mass Update Print All Labels

Inventory

Part Number (Match): Part Number (Begins): Operation: Serial Number: Job Number: Tracking Number: Status: Location: Group By: Part Number Operation Type: Supplier: Customer:

Master Unit: Active:

Use the Search feature above to find the records you want.



Troubleshooting

Item	Issue	Fix
1	Missing Data Fields	Verify Datasource
		Verify configuration and simulation including, printing, loading, shipping, etc.
2	Missing print across top of label	Reset print width on barcode printer; save settings
3	Active X Error	Update browser plugins; verify browser settings
4	Printed field illegible, overlapping on itself	Lengthen the block length of the text field
5	Missing Images	Re-associate image file if label was copied from existing label
6	Print running off edge of label	Calibrate printer or print media; power on and off printer. Verify label stock size if newly replaced
7	Labels missing all print	Verify ribbon or media, and proper installation of, i.e. "right side up"
8	Barcodes unreadable	Verify scanner works on other labels; reload or reset scanner; verify scanner connection
9	Missing shipper numbers	Verify serials are loaded to a shipper
10	Missing customer address	Verify serial is loaded to a shipper
11	Different part number than expected	Verify Datasource as Part No, Part Name, or Customer Part Number
12	Large black block or space	Verify line thickness and width, reduce or minimize
13	White text on black space missing	Verify "inverted" check box on data element; print from inventory list

Label Designer Quiz

Name:
Date:

1. Label designer can be found by doing a menu search for “Label D” ? T or F
2. Label Designer is the tool in PLEX where O-Flex can control the lines, text, barcodes, and images on our labels? T or F
3. Clicking on the Label name will navigate to the label “Form” where the Name, Revision, and Copies are controlled? T or F
4. Label Elements can be found by clicking on the “pencil” icon to the far left of the label name? T or F
5. Label Elements are individual areas within a label which include things like serial numbers, lines, and barcodes? T or F
6. Label element locations are controlled by X and Y axis values? T or F
7. Lines can be made thicker and thinner by varying width and thickness values? T or F
8. Text can be made larger and smaller by varying “height” and “width” values? T or F
9. Text can include words that never change called “Raw Data” ? T or F
10. Text that is populated by the PLEX Database is referred to as “Datasource Data” ? T or F
11. Raw text data can be added before a Datasource field to create an “identifier” or “qualifier”? T or F
12. Label previews may appear different from a print out due to web browsers? T or F
13. Production and shipping should be simulated in the Test Database to verify Label configuration prior to Live Database implementation? T or F
14. Label validation should include review of customer requirements? T or F
15. If a label is configured but still isn’t printing as expected, we should verify the “Precedence” chart. There may be a customer part label overriding the desired label? T or F