

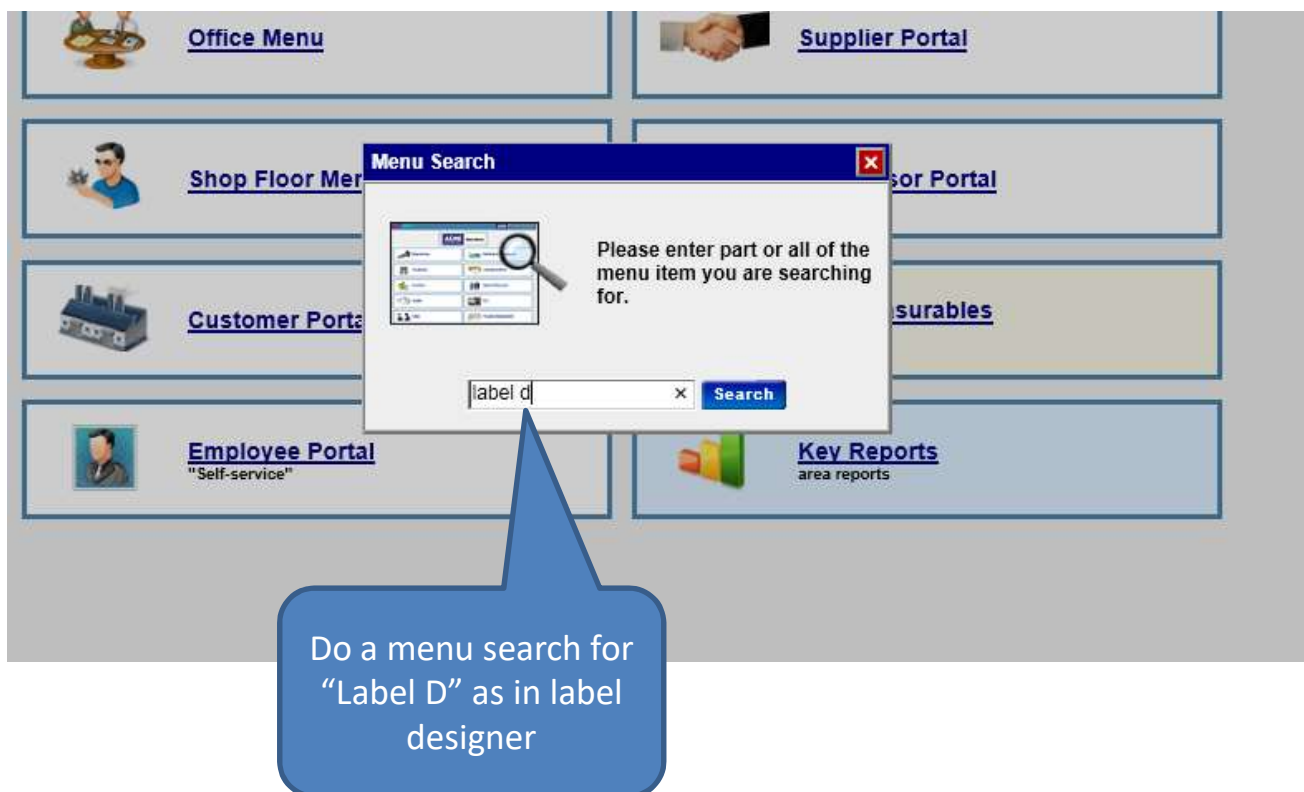
Label Designer Instructions

How to Create or Modify a customer
label in PLEX

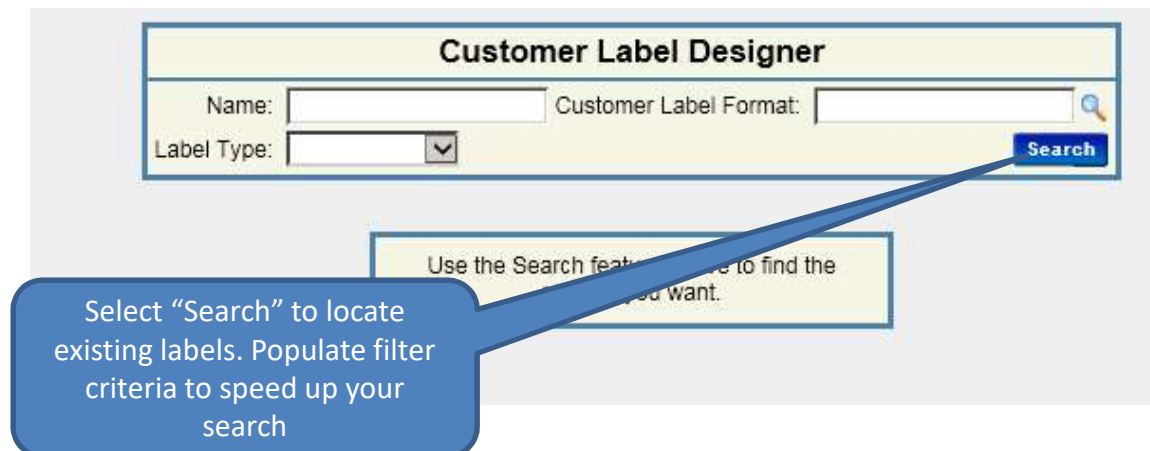
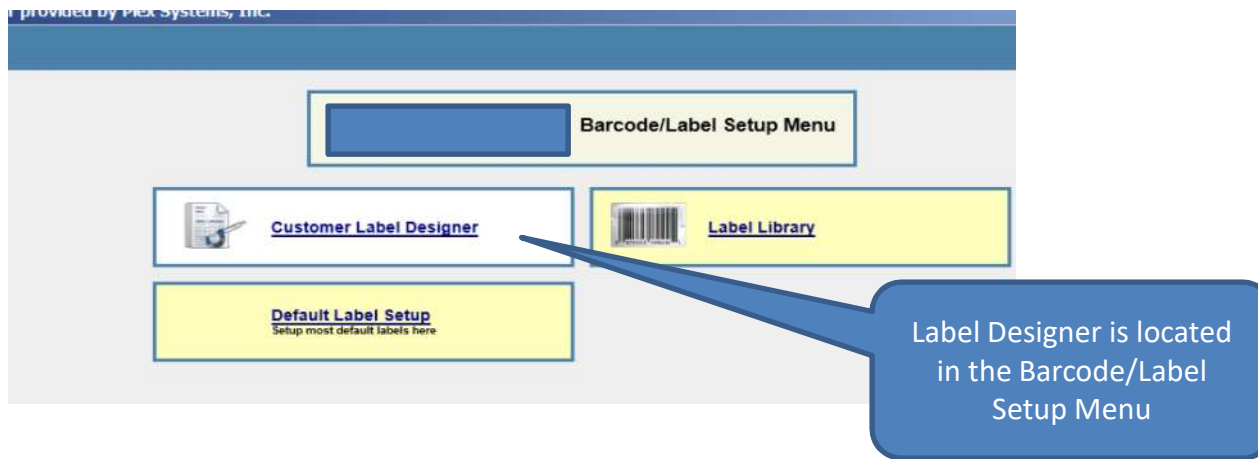
Label Designer Overview

- 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: <input type="text"/> | | | | Search | | | | | | |
| 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: dstrowser.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 Ship | Oflex Ship | 1 | [Copied] Origin Enterprise: O-Flex Automotive Origin User ID: dstrowser.oflex Source Label: Oflex shpg | 4 | 6 | | 1 | | |
| | 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: dstrowser.oflex Source Label: Oflex WIP | 4 | 6 | | 1 | | |
| | Oflex WIP | Oflex WIP | 1 | [Copied] Origin Enterprise: O-Flex Automotive Origin User ID: dstrowser.oflex Source Label: Oflex WIP | 4 | 6 | | 1 | | |
| | Oflex WIP (wLastContainer) | Oflex WIP (wLastContainer) | 1 | [Copied] Origin Enterprise: O-Flex MFA Origin User ID: dstrowser.oflex Source Label: Oflex WIP | 4 | 6 | | 1 | | |
| | Oflex Master INTERNAL | Oflex Master INTERNAL | 1 | [Copied] Origin Enterprise: O-Flex MFA Origin User ID: dstrowser.oflex Source Label: Oflex Master Load | 4 | 6 | | 1 | | |
| Master Unit | Oflex Master Load | Oflex Master Load | 1 | [Copied] Origin Enterprise: O-Flex Automotive Origin User ID: dstrowser.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

The screenshot shows a software window titled "Customer Label Designer Form". It contains several input fields and a text area. Blue callout lines point from a text box on the left to the following fields in the form:

- Name:** Oflex Ship
- Customer Label Format:** Oflex shpg
- Revision:** 1
- Note:** [Copied]
Origin Enterprise: O-Flex Automotive
Origin User ID: dstrowser.oflex
Source Label: Oflex shpg
- Invert:** ☐
- Use Explicit Length:** ☒
- Width:** 4
- Height:** 6
- Number of Copies:** 2
- Dots Per Inch:** 200
- Customer Label Font:** (with a search icon)

Label Elements

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 | 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 | | | | | | 90 | | | | | | Quantity | | |
| | | 20 | | 1 | | | | | | | | | | | | 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 | | | |

Modification of Elements

Print Sample
Preview Label
Add

Customer Label Elements

Customer Label:

| 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)

← X Position →

Update Delete

Customer Label Element

Customer Label: Oflex Rcvg

Label Type: Line

Label Element:

X Position: 25

Y Position: 0

Label Page: 1

Line

Width: 0.25

Thickness: 0.25

Height: 150.00

| | | | | | | | |
|------------------|--|------------------|--|------------------|--|--------------|--|
| Part (P) | | Quantity (Q) | | Supplier | | Serial (S) | |
| Part No | | Quantity | | Supplier | | Serial | |
| Part Description | | Customer Shipper | | Supplier Shipper | | Full Name | |
| Part No | | Customer Shipper | | Supplier Shipper | | Full Name | |
| Tracking No | | Lot | | OFlex Number | | Recorded By: | |
| Part Revision | | Eng. Change | | Part No | | A | |

*Element dimensions are in millimeters

*Large numbers on scale are in Centimeters (x10mm)

Modification of Line Element (Y Position)

← Y Position →

| | | | |
|-------------------------|--|--------------------------------------|--|
| Part (P) Part No | | Description Part_Description | |
| Quantity(Q) Quantity | | Customer Shipper Customer_Shipper | |
| Supplier Supplier | | Recorded By: Full_Name | |
| OFlex Number Part_No | | Part_No | |
| Part_Revision | | Part_Revision | |

*Element dimensions are in millimeters

Update Delete

Customer Label Element

Customer Label: Oflex Rcvg

Label Type: Line

Label Element:

X Position: 25

Y Position: 0

Label Page: 1

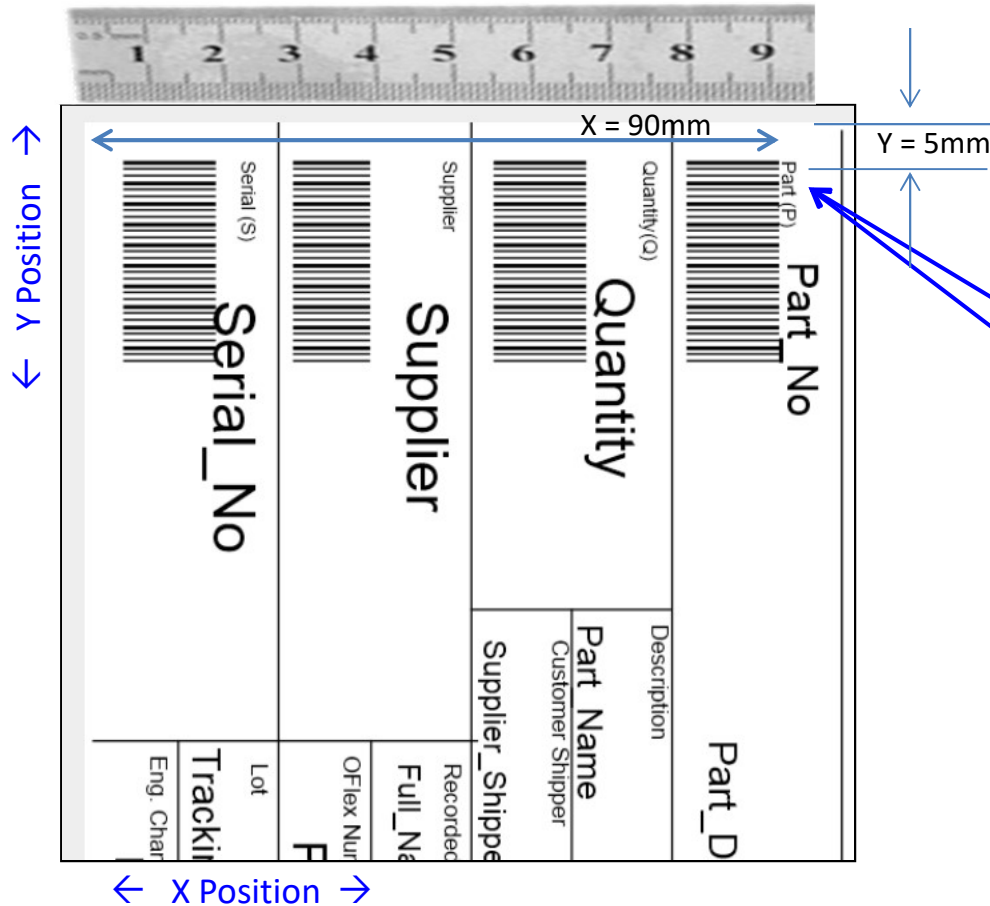
Line

Width: 0.25

Thickness: 0.25

Height: 150.00

Modification of Text Location



*Element dimensions are in millimeters

Customer Label Element

Customer Label: Oflex Rcvg

Label Type:

Label Element:

X Position:

Y Position:

Label Page:

Text

Text Rotation:

Text Width:

Text Height:

Text Block

Block Length:

Lines Per Block:

Justification:

“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

The diagram illustrates the process of modifying text dimensions for a label element. It consists of three main parts:

- Sample Label:** A label template with fields for "Part (P)", "Part No", "Quantity(Q)", and "Supplier". A dimension line indicates the width of the "Part (P)" field is $X = 90\text{mm}$.
- Dimensioned Character:** A character 'P' is shown with its dimensions: $Ht = 3\text{mm}$ (height) and $Wd = 3\text{mm}$ (width).
- Customer Label Element Configuration Window:** A window titled "Customer Label Element" with the following settings:
 - Customer Label: Oflex Rcvg
 - Label Type: Text
 - Label Element: (empty field)
 - X Position: 90
 - Y Position: 5
 - Label Page: 1
 - Text Section:**
 - Text Rotation: 90
 - Text Width: 3.00
 - Text Height: 3.00
 - Text Block Section:**
 - Block Length: 20
 - Lines Per Block: 1
 - Justification: Left

Blue arrows indicate the flow of information: from the "Part (P)" field in the sample label to the dimensioned character 'P', and from the "Text Width" and "Text Height" fields in the configuration window to the dimensioned character 'P'.

*"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: **Text**
Label Element:
X Position: 73
Y Position: 65
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

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

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

Customer Label Element

Customer Label: Oflex Rcvg
Label Type: **Text**
Label Element:
X Position: 15
Y Position: 23
Label Page: 1

Text
Text Rotation: 90
Text Width: 6.00
Text Height: 9.00

Text Block
Block Length: 30
Lines Per Block: 1
Justification: Left

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

“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 |
| | | | | | | | | | | | Code 3 of 9 | 10 | 90 | | | | | Container_Info_Get |

Example: Supplier requiring an "V" as an identifier

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

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

Back Wiki Update Delete PLEX

Customer Label Element

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

| | | | |
|-------------------------|------------------|----------------------|---------------------|
| Part (P) Part_No | | RECEIVING | |
| | | Part_Description | |
| Quantity(Q) | Quantity | Description | |
| | | Part Name | |
| | | Customer Shipper | |
| | | Supplier_Shipper_No | Customer_Shipper_No |
| Supplier | Supplier | Recorded By: | Add_Date_M |
| | | Full_Name | Add_Date_H |
| | | OFlex Number | |
| | | Part_No | |
| Serial (S) | Serial_No | Lot | |
| | | Tracking_No | |
| | | Eng. Change | |
| | | Part_Revision | |

- "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

Click on "Print" to print the label elements (as seen on the right)

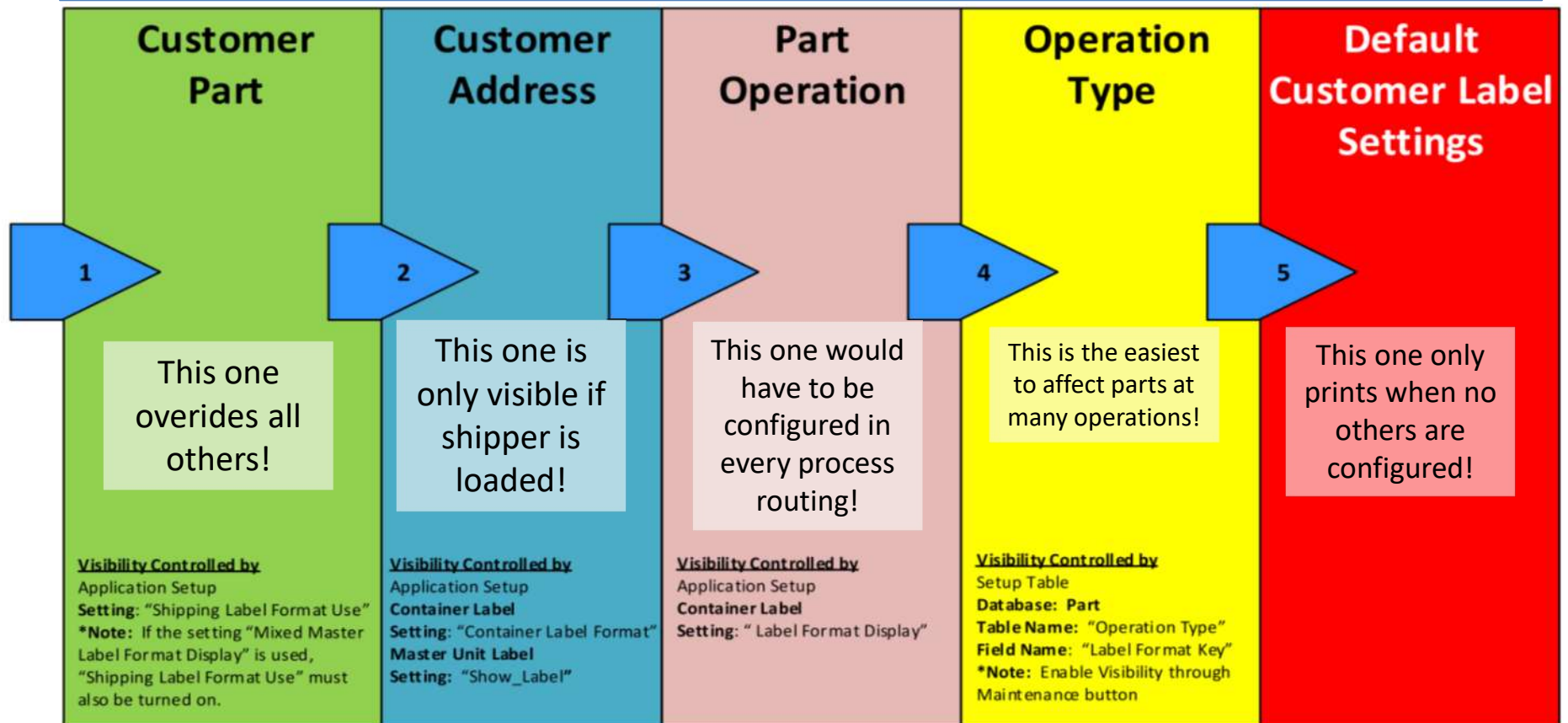
Click on "Print Sample" for an example of the label

| 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 over rides 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.

Developed by Plex Systems, Inc.

Inventory

Part Number (Match): Part Number (Begins): Operation:

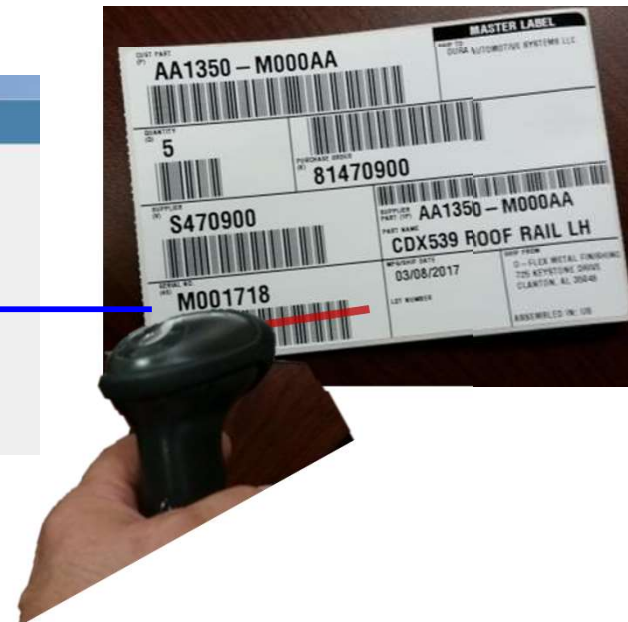
Serial Number: Job Number: Tracking Number:

Status: Location: Group By:

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