

Creating a Label with a Barcode

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This document will outline how to include a 1 dimensional barcode into a label.

Please be familiar with *Label Printing Basics* before reading this document.

Begin by downloading and installing a barcode font such as *IDAutomationHC39M Free Version*.

In the example shown here, the Serial Number will be printed as a barcode.

In *VSReport Designer*, modify the template as desired. Select the Serial Number field and change the font to a custom font. Note: *VSReport Designer* will not accept a barcode font.

Text will also have to be modified for the barcode to be read correctly: the text must begin and end with the * character. For example,



will not be read by a barcode scanner



will be read as 123 by a barcode scanner

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The screenshot displays a software interface for creating a label. The main area shows a label layout with sections: Header, Page Header, Detail, Page Footer, and Footer. The Header section contains a 'Part number' field with the value [DUT Part Number] and a 'Serial number' field with the formula: `IIf([Fixed Serial Number] = "", TRIM([Incremental Serial Number]), [Fixed Serial Number] & "-" & TRIM([Incremental Serial Number]))`. The Page Header section contains a table with columns for Wavelength, End A, End B, and Refl. The Detail section contains a table with columns for Fiber, IL, and Refl. The Field Properties dialog box is open on the right, showing a list of properties and their values. A red arrow points from the text 'Select the Serial Number field' to the Serial number field in the label design. Two red circles highlight the 'Font' property (set to Atlanta) and the 'Text' property (set to the formula for the Serial number field).

Select the Serial Number field

Property	Value
CheckBox	0 - vsrNoCheckBox
Font	Atlanta
ForcePageBreak	0 - vsrNone
ForeColor	0x00000000
Format	
Height	600
HideDuplicates	False
Left	1350
LineSlant	0 - vsrLSNoLine
LineSpacing	0
LineWidth	0
LinkTarget	
MarginBottom	0
MarginLeft	0
MarginRight	0
MarginTop	0
Picture	
PictureAlign	0 - vsrPALeftTop
RTF	False
RunningSum	0 - vsrNoRunningSum
Subreport	
Tag	
Text	IIf([Fixed Serial Number] = "", TRI...

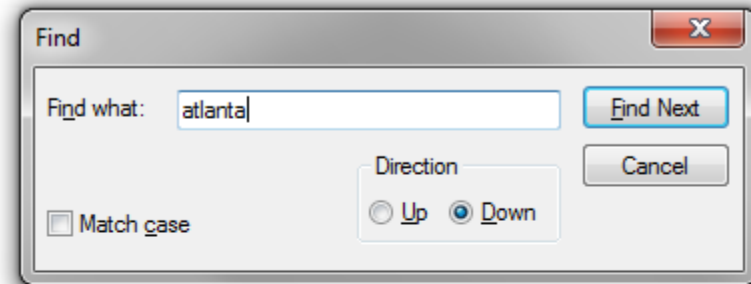
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The text may be difficult to modify in *VSReport Designer*. The .xml file will have to be edited directly in *Notepad* so it may be preferable to modify the text there as well.

Save the template and open the .xml file in *Notepad*.

Search for the custom font.

```
<Section>1</Section>
<Text>[DUT Part Number]</Text>
<Calculated>-1</Calculated>
<Left>1170</Left>
<width>4785</width>
<Height>270</Height>
<Align>6</Align>
<CanGrow>-1</CanGrow>
<CanShrink>-1</CanShrink>
<Font>
  <Size>9.75</Size>
</Font>
</Field>
<Field>
  <Name>fldSerialNumber</Name>
  <Section>1</Section>
  <Text>IIf([Fixed Serial Number] = "", TRIM([Incremental Serial Number]), "" & TRIM([Fi
" & TRIM([Incremental Serial Number] & "*" & TRIM([Fi
  <Calculated>-1</Calculated>
  <Left>1350</Left>
  <Top>270</Top>
  <width>5865</width>
  <Height>600</Height>
  <Align>6</Align>
  <CanGrow>-1</CanGrow>
  <CanShrink>-1</CanShrink>
  <Font>
    <Name>Atlanta</Name>
```



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Modify the <text> field to include the * character before and after the serial number.

Before:

```
<Text>IIf([Fixed Serial Number] = "", TRIM([Incremental Serial Number]), TRIM([Fixed Serial Number]) & " - " & TRIM([Incremental Serial Number]))</Text>
```

After:

```
<Text>IIf([Fixed Serial Number] = "", TRIM([Incremental Serial Number]), "*" & TRIM([Fixed Serial Number]) & " - " & TRIM([Incremental Serial Number] & "*" )</Text>
```

Modify the field to the barcode font.

Before:

```
<Name>Atlanta</Name>
```

After:

```
<Name>IDAutomationHC39M Free Version</Name>
```

Save the .xml file. Note: if you open/save the template file in *VSReport Designer*, the barcode font will revert to the default font and you will have to repeat the above step.

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Final notes:

- Barcode fonts can affect the formatting around them. You may need to preview and test print some labels to fine-tune the formatting and spacing.
- Every time you modify the template in *VSReport Designer*, you must go back and modify the font to the barcode font in *Notepad*.
- Currently MS12001 cannot incorporate 2 dimensional barcodes such as QR codes.
- A future release of MS12001 or equivalent program will have better barcode integration including 2 dimensional barcodes.

For further assistance, please email support@jgroptics.com