



TSC
Standalone
Creator
User Manual

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Table of Contents


1. Getting Started.....	1
1.1 Overview.....	2
1.1.1 Overview Chart Explanation	3
2. Touch Panel Creator	4
2.1 Menu Function	5
2.2 Background Design Element.....	6
2.3 Creating a Template	7
2.4 Variable Init.....	8
2.5 CSV Table	9
2.6 BAS File.....	11
2.7 Current Panel.....	12
2.8 Tool Box	13
2.8.1 Panel Controllers.....	14
2.8.2 Compound Eventer.....	15
2.8.3 Variable Controller.....	16
2.8.4 Data Container	21
2.8.5 Label Controller.....	23
2.8.7 TSPL Command.....	24
2.8.8 Calibration	25
2.8.9 System Setting Menu	25

3. Label Template Creator.....	26
3.1 Label Information	27
3.2 Grid.....	28
3.3 Label Design Tool.....	29
3.4 Restore from File	35
4. Display on the Printer	36
4.1 Save the File.....	36
4.2 Download to the Printer.....	36
4.3 Remove the BAS.file.....	36

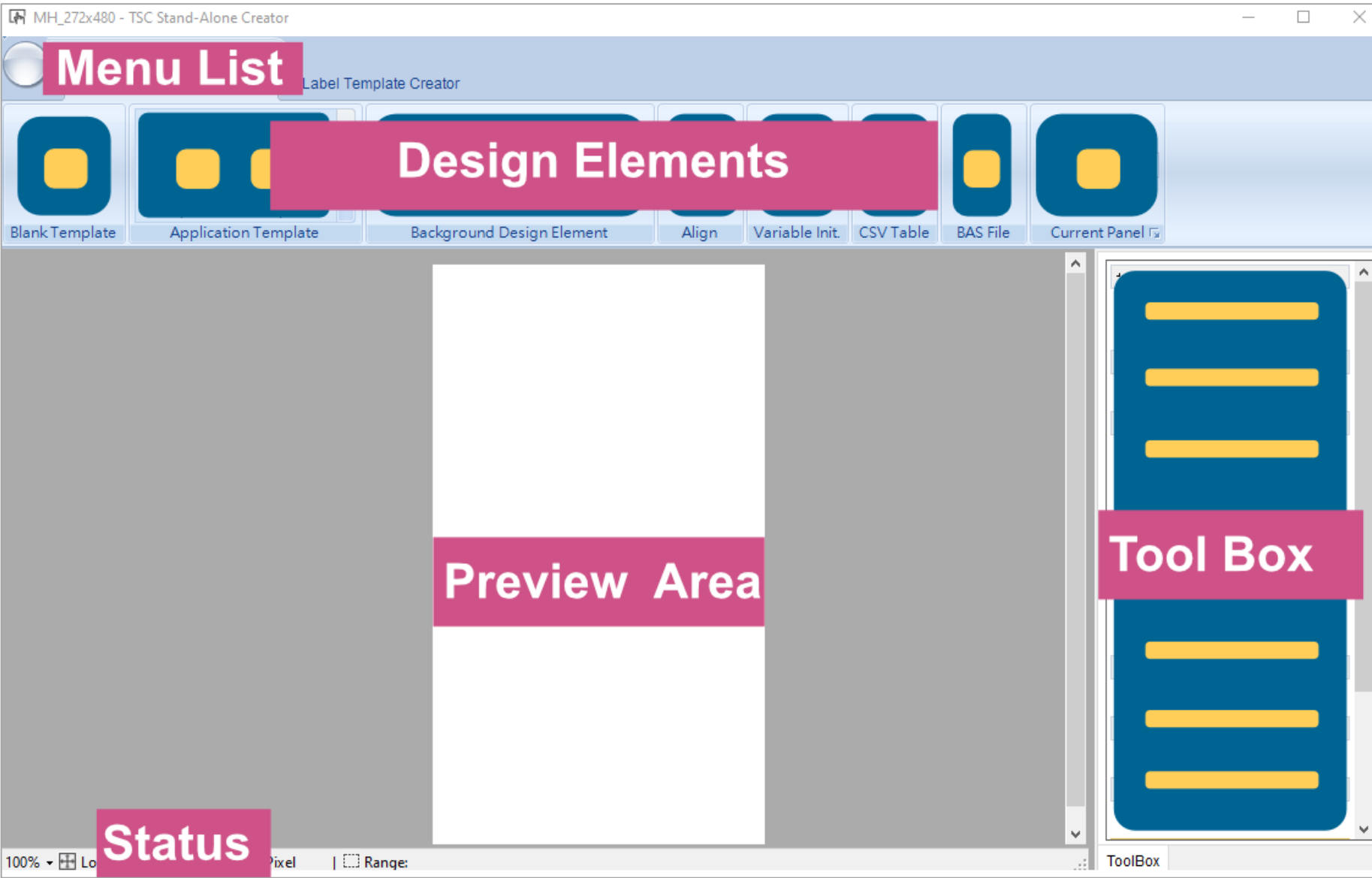


1. Getting Started



1. Double click  to install the TSC Standalone Creator.
2. Select Languages.
3. Complete installation.

1.1 Overview

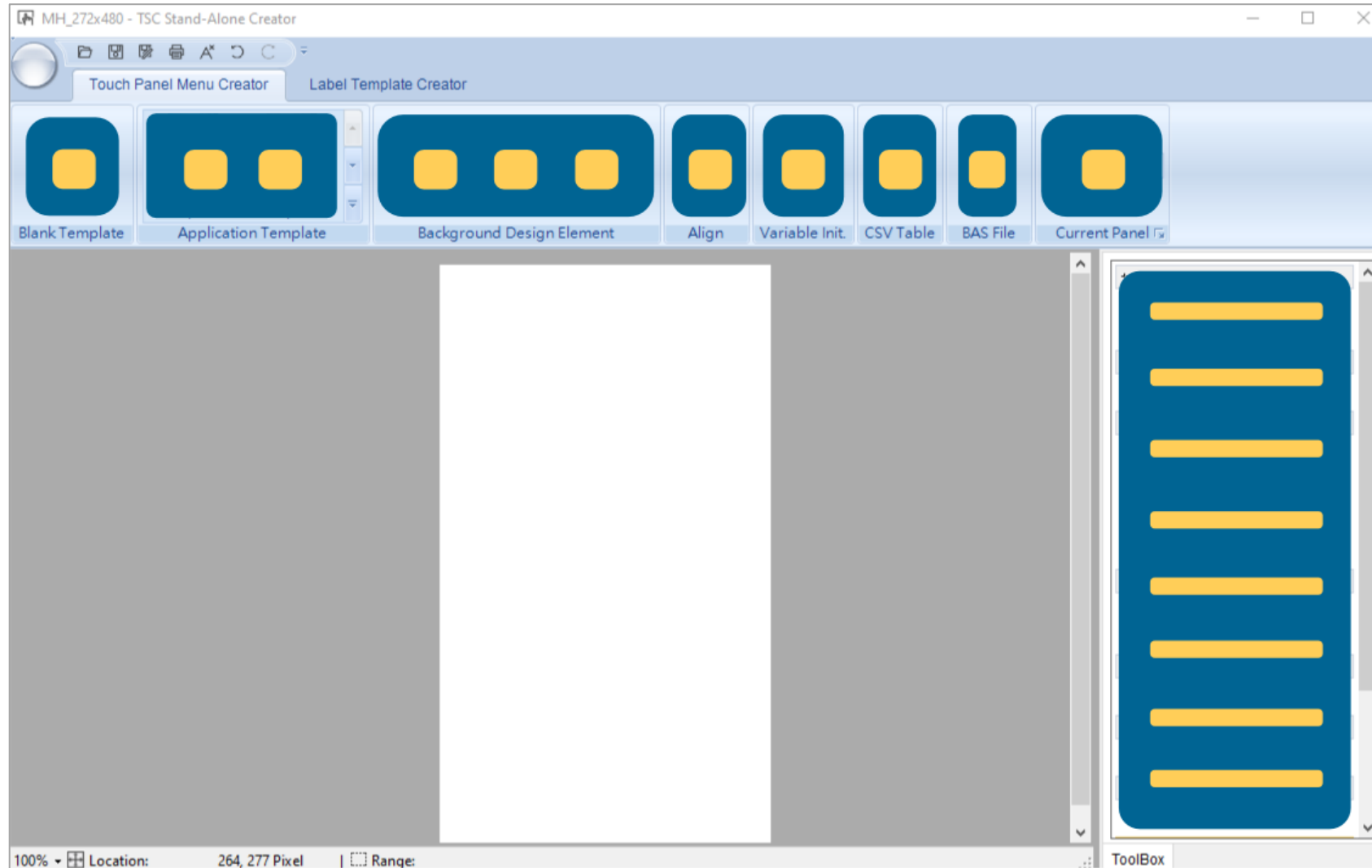


1.1.1 Overview Chart Explanation








Area	Function
Menu List	Contain Touch Panel Menu Creator and Label Template Creator .
Touch Panel Menu Creator	Customize the display screen.
Label Template Creator	Make Label Template.
Design Elements	Provide the elements for design.
Preview Area	Show the design connect to printer's display.
Status	Show the location of the elements.
Tool Box	Provide the elements for adding functions.

2. Touch Panel Creator

Touch Panel Creator contains the elements and tools helping you customize display and connecting to the Label template.








2.1 Menu Function

Icon	Item Name	Function
	Load	Load Other TSC Standalone Creator's file.
	Save	Save the Current Design as .tsa file.
	Save as	Save the Current task to assigned location.
	Download to Printer	Apply the Setting to the printer.
	Reboot the Printer and Ignore the .BAS File	Reboot Printer and ignore the BAS file.
	Undo	Undo the object.
	Redo	Redo the object.

2.2 Background Design Element

Background Design Element provides users functions to decorate the display.

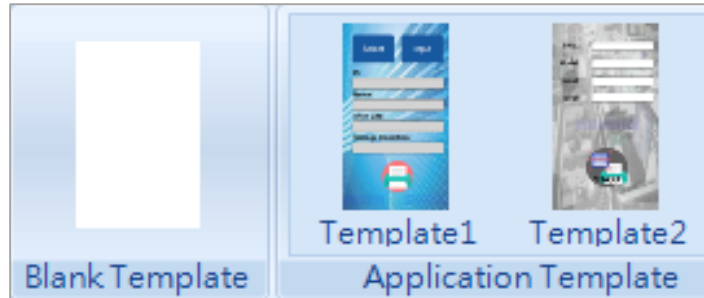
Icon	Item Name	Function
	BG	Set image or color as the background.
	Image	Insert the image to the panel. 1. Click the icon then click on the Preview Area . 2. Adjust the position and by setting the values or dragging the mouse.
	Text	Insert Text to the display. 1. Click the icon then click on the preview template. 2. Adjust position by dragging the mouse. 3. Right click or double click to edit the values.
	Shape	Insert shapes on the Display. 1. Click the icon then apply the shape on Preview Area . 2. Use mouse to drag and double click to edit.
	Align	Make the content to the left, right, or center. (need at least 2 items)

Note: All elements shown on the **Preview Area** could be dragged and double clicked to edit the setting.

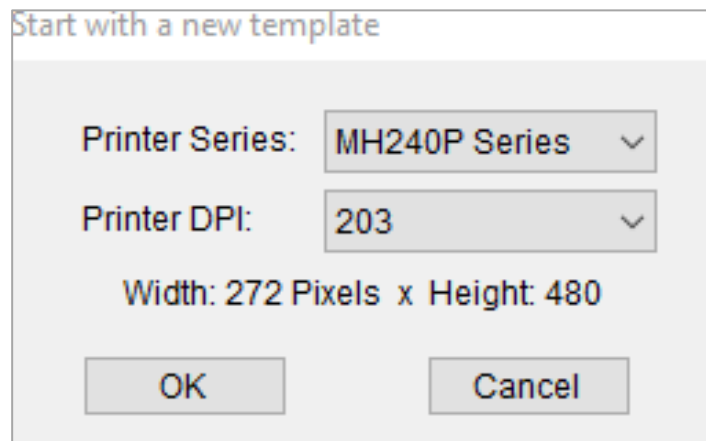
2.3 Creating a Template

User can use the **Blank Template** or **Application Template** for application.

1. Select the template.



2. Setup the touch panel settings.



2.4 Variable Init.



Variable Init. enables user to manually edit the variables, including **Strings**, **Number**, **Formula**, **Counter**.

The dialog box titled "Variable Initialization" has a close button (X) in the top right corner. It features four tabs: "String", "Number", "Formula", and "Counter", with "String" selected. Below the tabs is a dropdown menu showing "STR5\$" and an equals sign followed by an empty text input field and an "Add" button. The main area contains a table with the following data:

Variable	Initial Value (Editable)	Description (Editable)	
STR0\$		This is STR0\$ (Editable)	X
STR1\$		This is STR1\$ (Editable)	X
STR2\$		This is STR2\$ (Editable)	X
STR3\$		This is STR3\$ (Editable)	X
STR4\$		This is STR4\$ (Editable)	X

At the bottom of the dialog are "OK" and "Cancel" buttons. Red boxes highlight the "Variable" and "Description" columns of the table. Red lines connect these boxes to callout labels below the dialog.

Set variable form

Help recognize different variables

2.5 CSV Table



CSV Table enables user edit and upload the .CSV file.

Insert the data manually

1. Click icon and select **Edit CSV File**.
2. Type data into blank bracket.
3. Close the window.
4. Select **Primary Key Column** then click **OK**.

File	Column 1	Column 2	Column 3
	X	Y	Z
	1	10	100
	2	20	200
	3	30	300

CSV Table

CSV Table: DB00.CSV

Description: DB00

Information

Storage: FLASH

Primary Key Column:

Row Count: 0

OK Cancel

Edit CSV File

CSV Table

CSV Table: DB00.CSV

Description: DB00

Information

Storage: FLASH

Primary Key Column: X

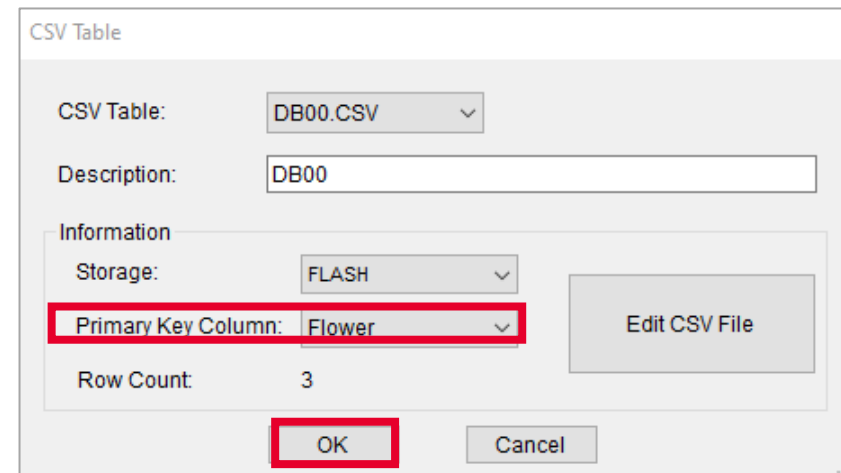
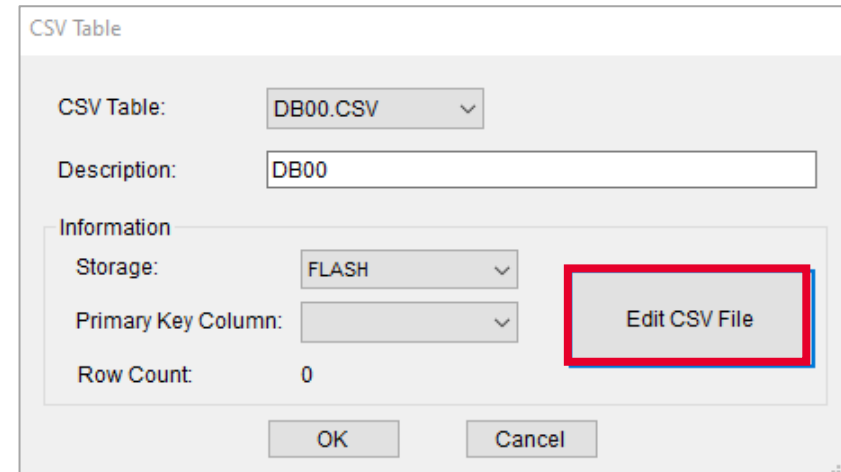
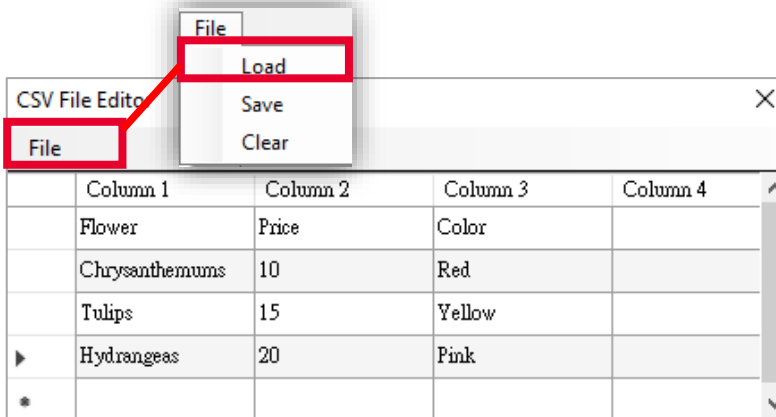
Row Count: 1

OK Cancel

Edit CSV File

Load the CSV File

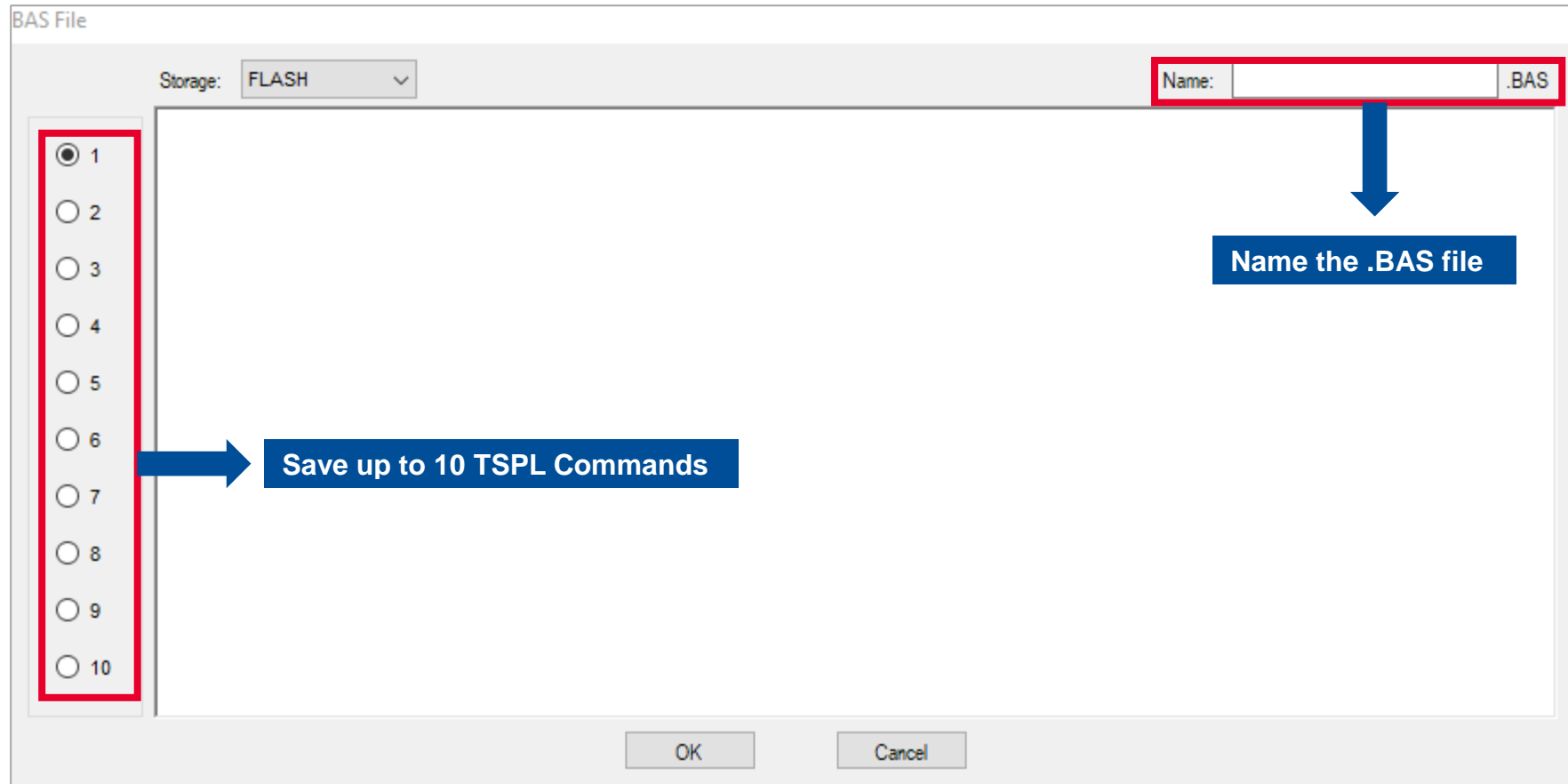
1. Click icon and select **Edit CSV File**.
2. Click **File > Load**.
3. Close the window.
4. Select Primary Key Column then click OK.



- **Primary Key Column:** Use selected items to query the data.
- Primary Key will become **Column1** as default.

2.6 BAS File

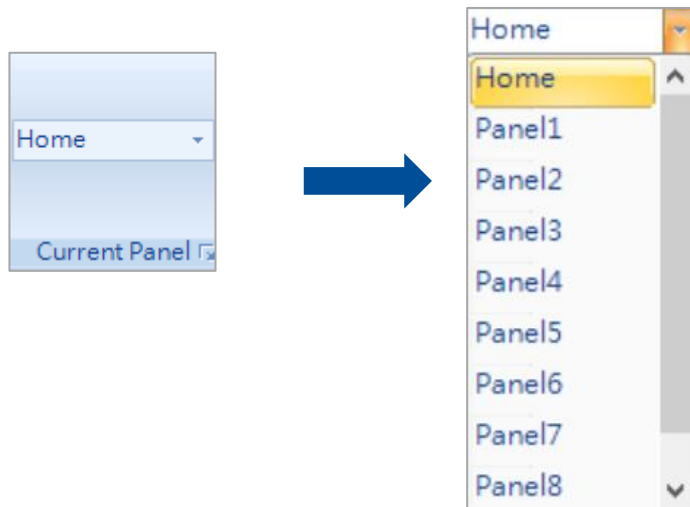
BAS File enables users to key in the TSPL command and activate the function by **TSC Command** or **Compond Event**.



2.7 Current Panel

TSC Standalone Creator provides up to **10 Panel Templates** for each display to design with.

1. Select the template pages for designing.

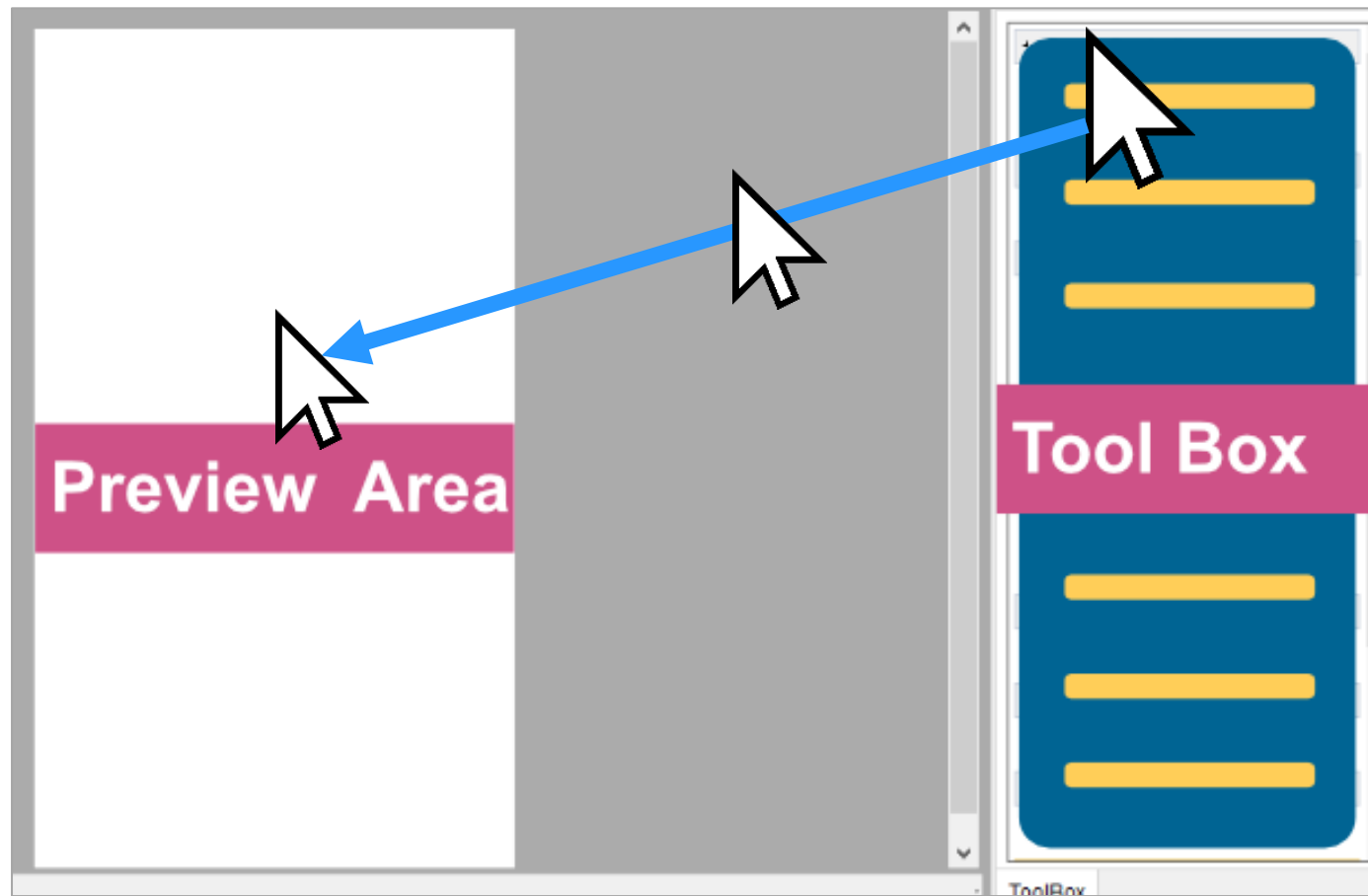


- For Applying, users could use function on the Tool Box—**Switch Panel** to land to different pages.

2.8 Tool Box

Tool box provides the tools and commands that can be dragged to **Preview Area**.

- Right click or double click the icon can edit the function.
- **Note:** All functions icons are changeable.



2.8.1 Panel Controllers



Switch Panel

Switch to next page of panel template.



Exit

To Exit the customized interface.

2.8.2 Compound Eventer



Compound Event

Compound Event enables user arrange sets of functions in one button.

The 'Edit' dialog box is shown with the following details:

- Properties:**
 - Location:** X: 42, Y: 161
 - Size:** Width: 80, Height: 40 (both in Pixels)
 - Image:**
 - Editable
 - Background:** Background (blue), Border (black), Stroke: 1 (Pixels)
 - Text:** Arial, 12, Bold, Italic, Underline, and a text input field containing "Compound Event"
 - Load Image (with folder icon)
 - Transparent
- Event:**

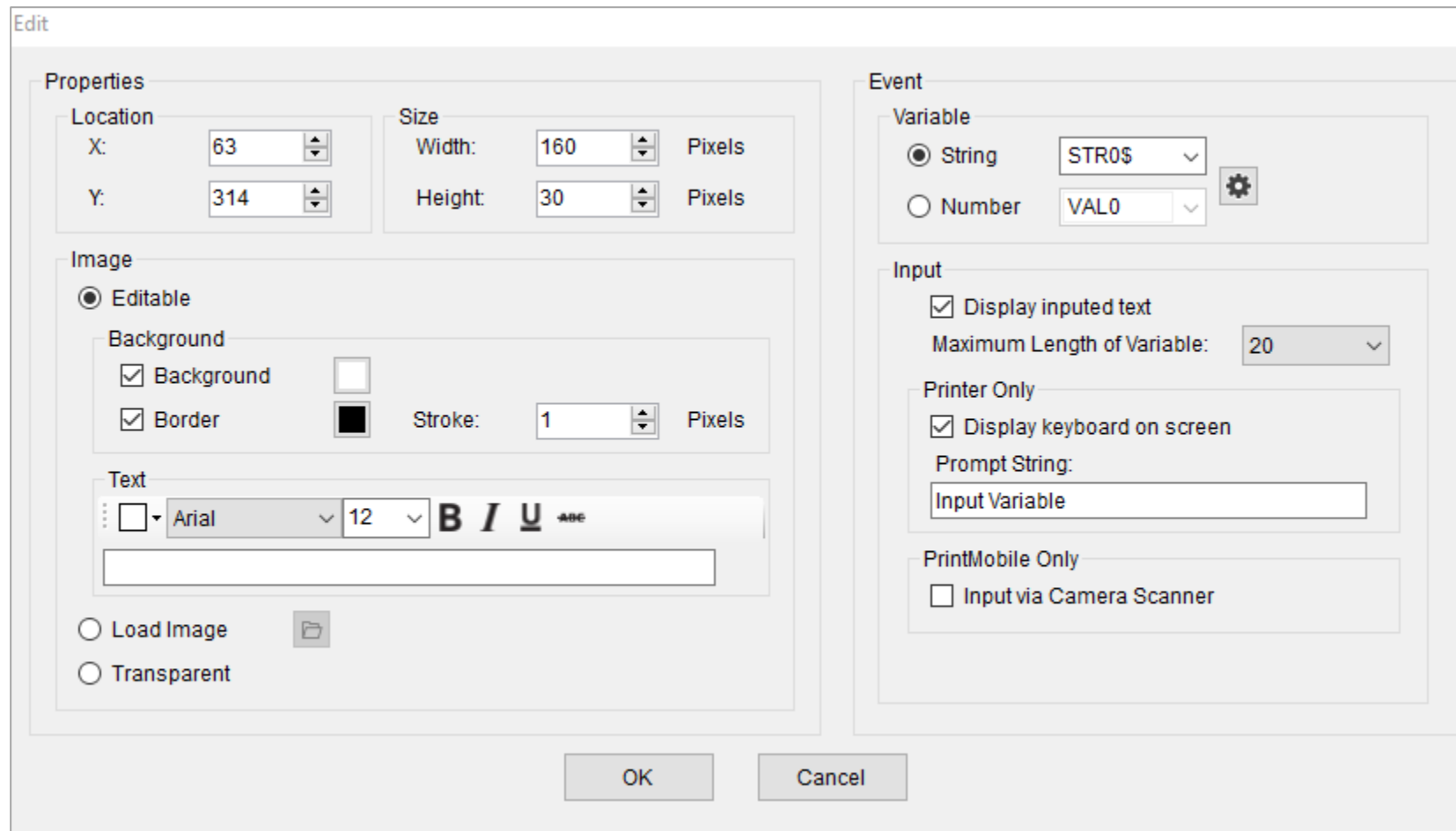
	Event	Edit
▶1	Menu List	⚙️
2	Print Label	⚙️
3	Switch Panel	⚙️
4	Input Variable	⚙️

A red box highlights the '+' and '-' icons in the top right corner of the event list, with a blue arrow pointing down to a callout box that says "Add/Delete the order".

2.8.3 Variable Controller

Input Variable

Input Variable enables users to replace certain variable by inputting the string or number.



The screenshot shows the 'Edit' dialog box for an Input Variable control, divided into two main sections: Properties and Event.

Properties Section:

- Location:** X: 63, Y: 314.
- Size:** Width: 160 Pixels, Height: 30 Pixels.
- Image:**
 - Editable
 - Background:**
 - Background
 - Border, Stroke: 1 Pixels
 - Text:** Arial, 12, with bold, italic, and underline icons.
 - Load Image
 - Transparent

Event Section:

- Variable:**
 - String, STR0\$
 - Number, VAL0
- Input:**
 - Display inputted text, Maximum Length of Variable: 20
 - Printer Only:**
 - Display keyboard on screen, Prompt String: Input Variable
 - PrintMobile Only:**
 - Input via Camera Scanner

Buttons: OK, Cancel



Menu list

Menu List enables users to insert the menu list to the panel template.

Menu List enables users to select the events, the selected item will be set to assigned variables.

Properties

Location
X: 148
Y: 186

Size
Width: 160 Pixels
Height: 30 Pixels

Image
 Editable

Background
 Background
 Border Stroke: 1 Pixels

Text
Arial 12 **B** *I* U abc

Load Image
 Transparent

Event

Variable
 String STR0\$ Number VAL0

Menu
 Display input text
Printer Only
Prompt String: Select Item

Menu Items
 From CSV Table: DB01.CSV

▶ Chrysanthemums
Tulips
Hydrangeas

OK Cancel

These items can be added manually or by loading the data from csv table



Set Variables

Set Variables enables users to replace certain variables' value.

1. Click **String** or **Number** to set certain value.
2. Click **OK**.

The screenshot shows the 'Edit' dialog box with the 'Event' tab selected. The 'Variable' section is highlighted with a red box and contains two options: 'String' (selected) and 'Number'. The 'String' option is set to 'STR0\$' with an equals sign and an empty text box. The 'Number' option is set to 'VAL0' with an equals sign and a value of '0.00'. A blue arrow points from the 'String' variable section towards the 'OK' button, which is also highlighted with a red box. The 'Properties' tab on the left shows location (X: 170, Y: 401) and size (Width: 80, Height: 40) settings. The 'Image' section has 'Editable' selected, with 'Background' checked and 'Border' unchecked. The 'Text' section shows 'Arial' font, size '12', and 'Set Variable' in the text input field.



Increase/Decrease the Value

Increase/Decrease the Value enables users to adjust the values of the variable (Only on numbers.)

Edit

Properties

Location

X: 225

Y: 284

Size

Width: 80 Pixels

Height: 40 Pixels

Image

Editable

Background

Background

Border

Stroke: 1 Pixels

Text

Arial 12 **B I U**

Load Image

Transparent

Event

Number VAL0

Increase Decrease

Increment: 1.00

Maximum: 10.00

OK Cancel

Settings for the number



Query Database

Query Database enable users to load the data from the existing CSV table.

Edit

Properties

Location
X: 119 Pixels
Y: 252 Pixels

Size
Width: 80 Pixels
Height: 40 Pixels

Image

Editable

Background

Text

Arial 12 B I U

Query Database

Load Image

Transparent

Event

CSV Table
DB01.CSV

Condition

The first row where the [Flower] Column value matches
STR0\$

The first row where the [Flower] Column value matches

The Nth row of the database
VAL0

The Nth row of the database
1

Get data from the matching row

Column	Variable
Flower	STR1\$
Price	STR2\$
Color	STR3\$

OK Cancel

Query the data by Primary Key and text or variable to get the data row

Get the data from data rows ' cells and save to variables

Query the data by Nth row (variable) or by assigned row(fixed number)

2.8.4 Data Container



Display Variable

Display Variable enables user to show the current value of the specific variable on the display.

1. Drag icons to the Preview Area.
2. Select forms in **Variable** section to the preview area.

System Info:
Date/Time/Firmware/Model Name/Ethernet IP/WiFi IP/Serial Number



Image Box

Image Box enables user to display dynamic images

- when the variable changed, the object / item will change to assigned pictures.

Edit

Properties

Location
X: 60
Y: 99

Size
Width: 160 Pixels
Height: 160 Pixels

Image

Editable

Background
 Background
 Border
Stroke: 1 Pixels

Text
Arial 12 B I U
Image Box

Load Image
 Transparent

Event
Variable: STR0\$

	When STR0\$ =
1	Chrysanthemums
2	Hydranges
▶ 3	Tulips

OK Cancel

2.8.5 Label Controller



Print Label

Print Label enables users to print the label from the touch panel.

1. Select the assigned label template.
2. Click decided label or String.
3. Set **Number of Set**.
4. Set **Number of Copy**.
5. Press **OK** to insert the icon.

Print the assigned labels

Print number of sets or copies depending on the variables' value

2.8.7 TSPL Command



TSPL Command

TSPL Command enables users to run TSPL command by touching screen.

Edit

Properties

Location
X: 51
Y: 43

Size
Width: 80 Pixels
Height: 40 Pixels

Image
 Editable

Background
 Background
 Border Stroke: 1 Pixels

Text
Arial 12 **B I U**
TSPL Command

Load Image
 Transparent

Event
 From File File:
 TSPL Command

OK Cancel







2.8.8 Calibration



Calibration

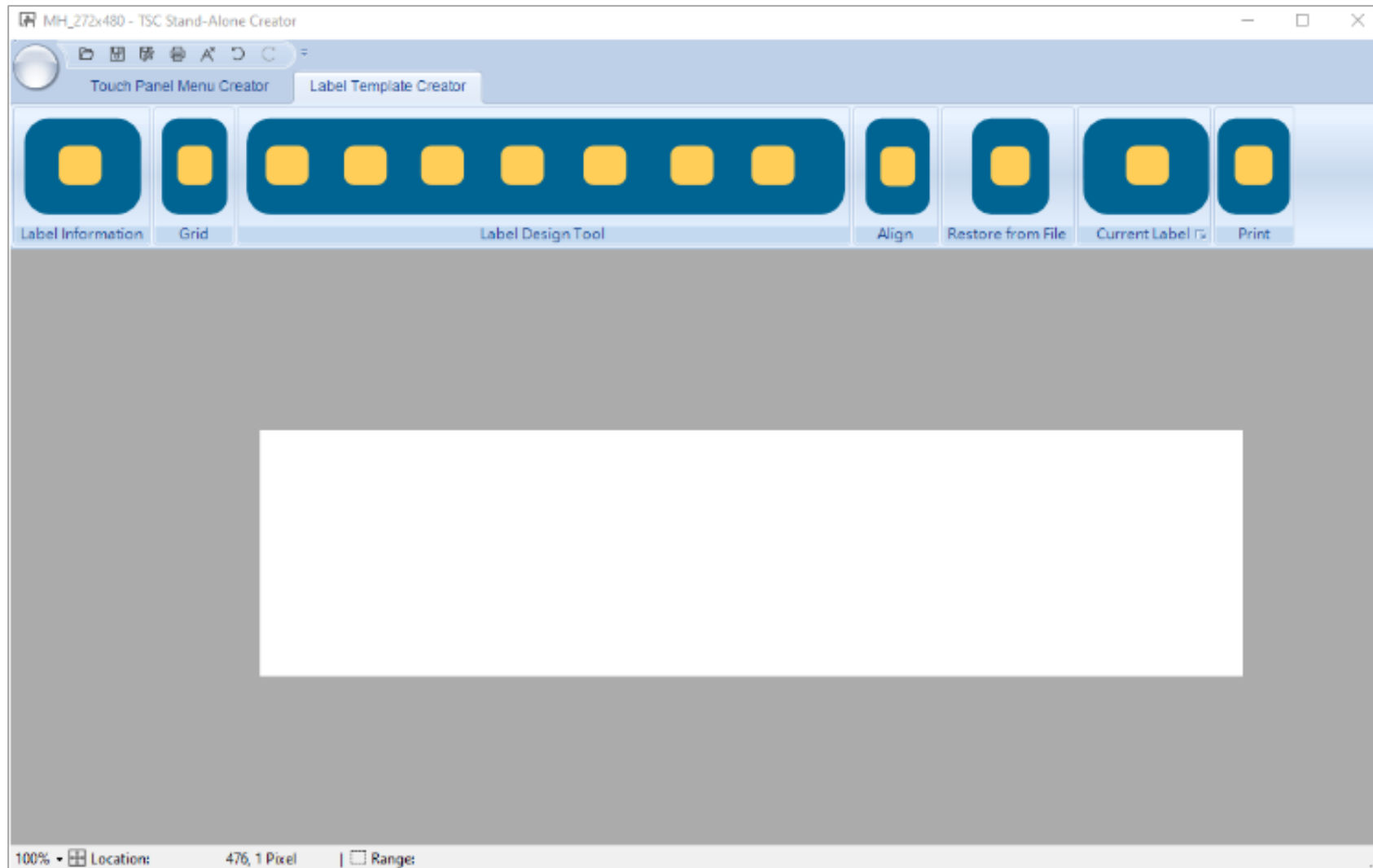
Calibration enables user to auto calibrate the media.

2.8.9 System Setting Menu

Icon	Function Name	Description
	Speed	Adjust the printing speed.
	Density	Adjust the density.
	Direction	Decide printout's direction.
	Country	Set the country.
	Code Page	Select the code page.
	Print Mode	Select the print mode

3. Label Template Creator

In **Label Template Creator** section, users are able to setup the size (Width x Height) and contents of the label.



3.1 Label Information



Label Information enables users to set media types and label size (Width x Height).

1. Click the icon on the top left of the screen.
2. The label setting window will pop up.

Label Settings

Printer Information

Printer DPI: 203

Label Unit: mm

Label Settings (Label0)

Label Sensor: Continuous

Label Gap: 0 mm

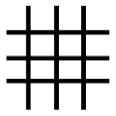
Label Direction: 1

Label Width: 101.6 mm

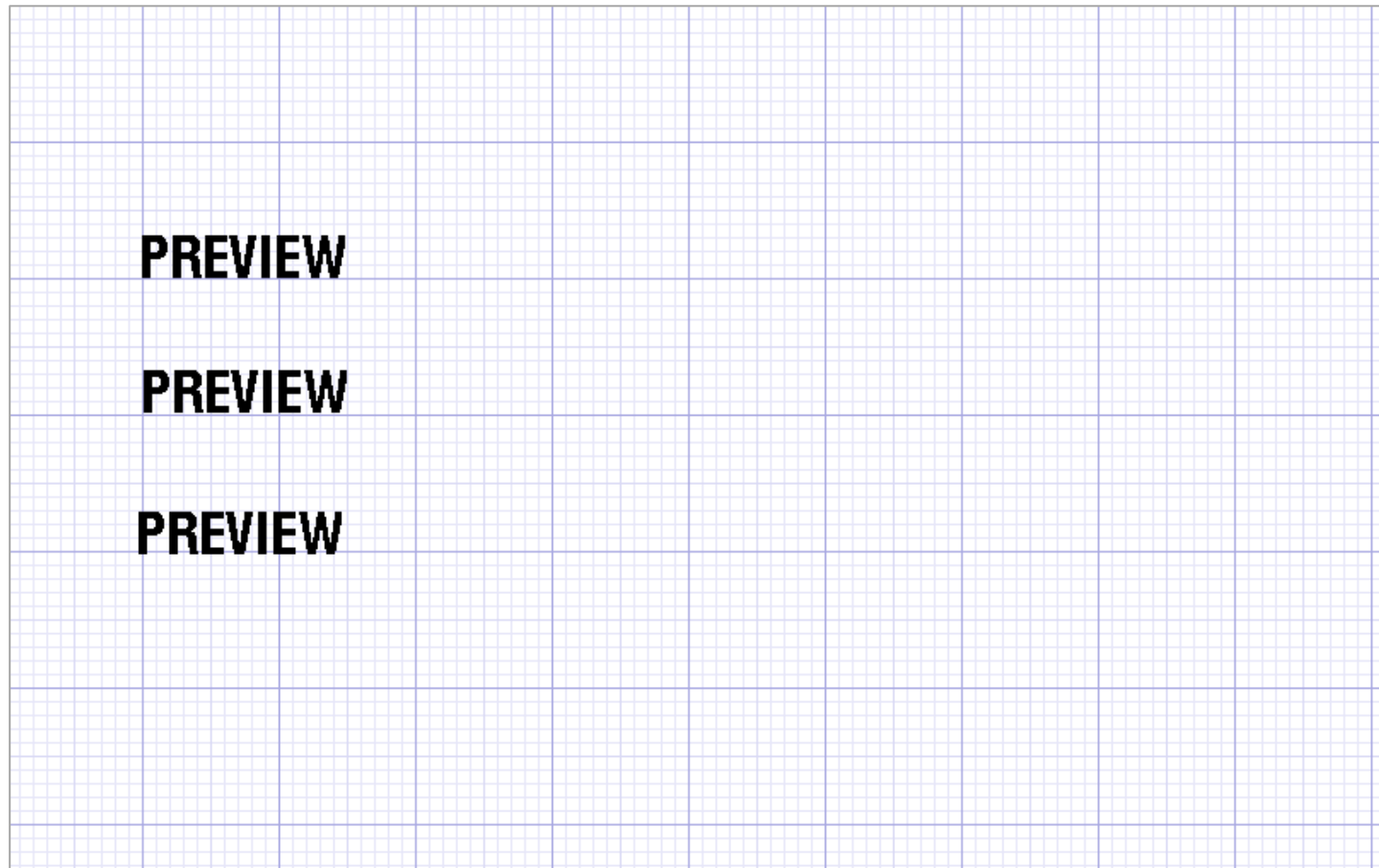
Label Height: 63.44 mm

OK





3.2 Grid



Grid enables user to display a framework of spaced bars on the **Preview Area**.



3.3 Label Design Tool

Icon	Icon Name	Description
	Select	To drag or to edit the object.
	Rectangle	To insert rectangle shape.
	Ellipse	To insert ellipse shape.
	Lines	To insert lines.

T Text

Text enables users to insert the texts on the label template.

Preview Data

PREVIEW

Content

Fixed Text: PREVIEW

String Variable: STR0\$

Numerical Variable: VAL0

Counter Variable: @0

Formula Variable: FORMULA0\$

RTC Time: General Date

12/22/2021 2:43:09 PM

Typeface

Build In Font: ROMAN.TTF

TTF Font: ARIAL.TTF

X-multiplication: 12

Y-multiplication: 12

Properties

Location: X: 23.65 mm

Y: 15.01 mm

Rotation: 0 Degree

Alignment: 0

OK Cancel

- Fixed Text: Text which is static and can not be changed
- String Variable: Text contents will be defined-string
- Numerical Variable: Text contents will be entered before printing
- Counter Variable: Text would be the form of counter
- Formula Variable: Text would be the form of formula
- RTC Time: Text would be the form of date/time



Block

Block enables users to limit the text in a certain area (Adjustable).

- Sentence longer than the limit would separate to next lines.

Edit Block

Preview Data

PREVIEW

Content

Fixed Text: PREVIEW

String Variable: STR0\$ Formula Variable: FORMULA0\$

Numerical Variable: VAL0 RTC Time: General Date

Counter Variable: @0 d/m/yyyy h:n:s AM/PM

Typeface

Build In Font: ROMAN.TTF X-multiplication: 12

TTF Font: ARIAL.TTF Y-multiplication: 12

Properties

Location:	X:	32.78	mm	Rotation:	0	Degree
	Y:	1.75	mm	Alignment:	0	
Size:	Width:	30.91	mm			
	Height:	17.52	mm			

OK Cancel

Border size



Barcode

Barcodes enables users to insert various of barcodes.

Edit Barcode

Preview Data
PREVIEW

Content

Fixed Text: PREVIEW

String Variable: STR0\$

Numerical Variable: VAL0

Counter Variable: @0

Formula Variable: FORMULA0\$

RTC Time: General Date

d/m/yyyy h:n:s AM/PM

Barcode Style

Barcode Type: QR code

ECC Level: M: 15%

Element Module Size: 3

Data Input Mode: Auto

Model: 2

Mask: 7

Area: 0

Properties

Location: X: 53.68 mm Y: 4.63 mm

Rotation: 0 Degree

OK Cancel

Contents provide various barcode form to present on the label template

Style could adjust barcodes' type and settings



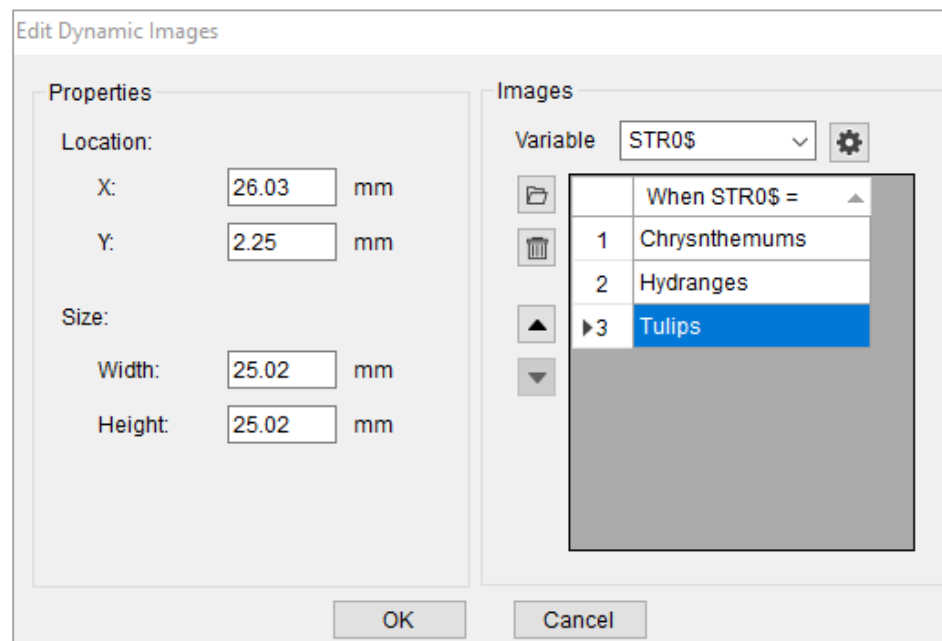
Image

Image enables users to insert the fixed or dynamic images.

1. Click icon then click on the **Preview Area**.
2. Select **Fixed Image** or **Dynamic Images**.

Insert Dynamic Images

1. Select the **Variable**.
2. Load the images.
3. Edit the name to be identical with variables.
4. Press **OK** to insert into the **Preview area**



Current Label

Current Label enables users to switch different pages in between label templates.



A vertical dropdown menu with a light blue header containing 'Label0' and a small downward arrow. The menu is open, showing a list of labels from 'Label0' to 'Label8'. The first item, 'Label0', is highlighted with a light blue background. To the right of the list is a vertical scrollbar with an upward-pointing arrow at the top and a downward-pointing arrow at the bottom.

3.4 Restore from File



Restore from File enables users to load the barcode file to the label template.

1. Click the Icon
2. The barcode will be load on the label template

```
BARCODE TEST.txt - Notepad
File Edit Format View Help
SIZE 4,1
GAP 0,0
DIRECTION 1
CLS
TEXT 10,10,"2",0,1,1, "BARCODE TEST"
BARCODE 10,50, "TELEPEN",100,1,0,2,6, "abcd1234ABCD"
PRINT 1
Ln 8, Col 1    100%    Windows (CRLF)    UTF-8
```




- Objects can be dragged by using mouse.
- Double click can edit the content of the barcode (Barcode form will be affected when data changed)


4. Display on the Printer

Users are able to save both contents on **Touch Panel Creator** and **Lable Template Creator**.

4.1 Save the File

When finish setting up the functions and labels, click **Save as** button  on the **Menu List** , the file will be stored with .tsa extension, so users could save progress and edit for the next time.

4.2 Download to the Printer

When users want to display the customized application, click **Download to Printer** button  on the **Menu List**, the printer will reboot and load the designed interface

4.3 Remove the BAS.file.

If users want delete the application, please refer below method:

- Use TSC Console and delete the **HOME.BAS** file in the File Manager.
- Use LCD touch screen, select **Menu > File Manager > Flash**> delete the **HOME.BAS** file, so the next time the printer will not run the application anymore.

If users want to ignore the BAS.file once, use **Reboot the Printer and Ignore the .BAS File** button  on the **Menu List**.

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