Dynamic Drawing

Applied to a Wood Cutting Machine

Contents

WE!NTEK

1. Overview and Operation

Overview

Dynamic Drawing object enables drawing shapes on HMI screen, and this feature can be very useful for a wood cutting machine. Before cutting the woods, the wood pattern can be drawn on HMI according to the specified parameters, for the operators to preview.

This demo project shows how to apply a Dynamic Drawing object to a wood cutting machine.
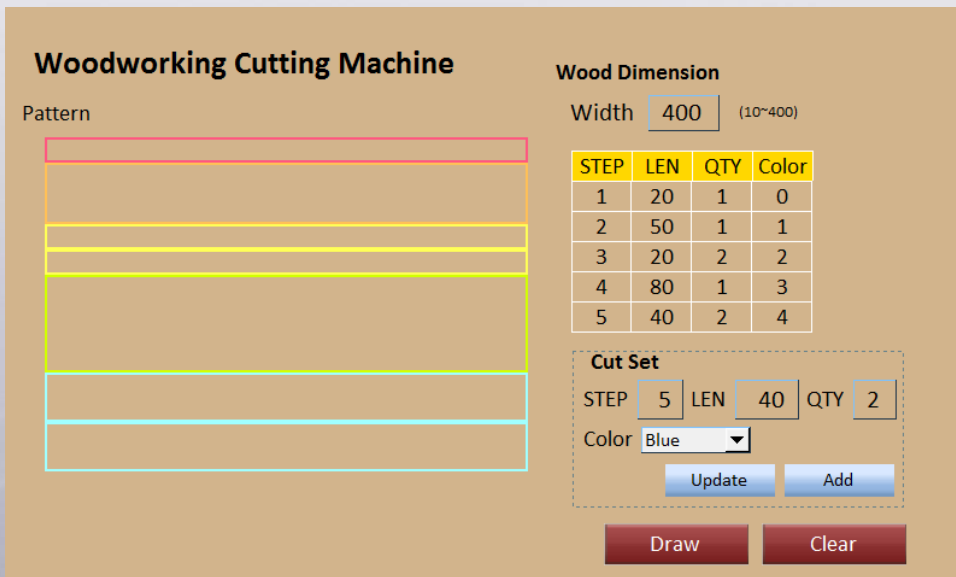
Operation

Run the demo project and then start off-line simulation.

[Draw]: Draw a shape on the screen according to the parameters in Recipe Database.

[Clear]: Clear all drawing.

[Cut Set]: Add / Modify cutting parameters.

[Width]: Adjust the cutting width.
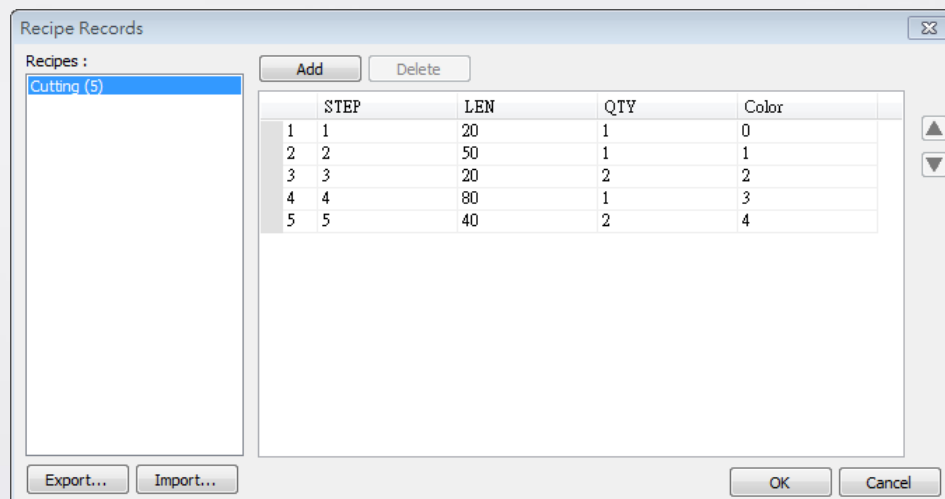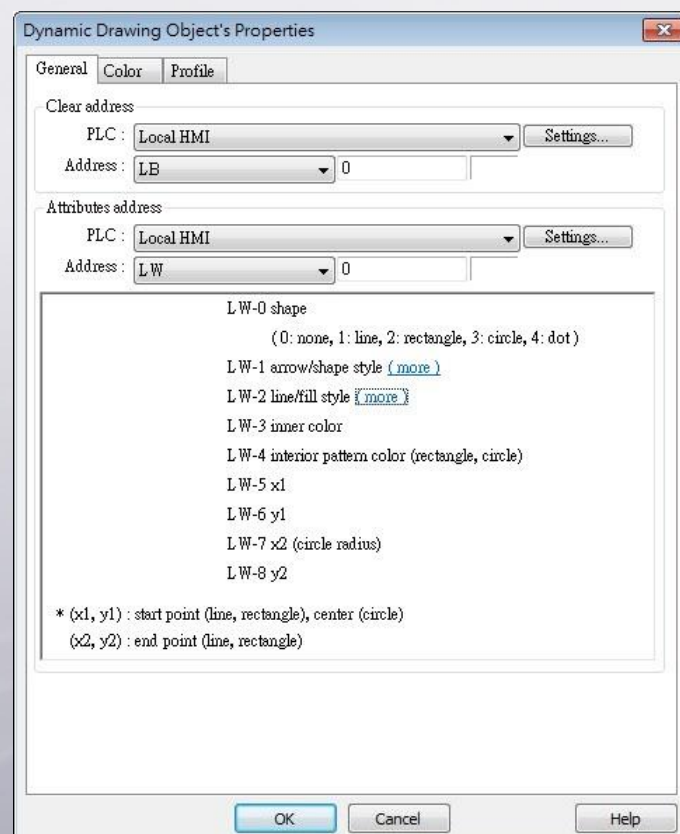
2. Setting up the Screen

Step 1.   In EasyBuilder, open [System Parameter Settings] » [Recipes], and

[Library] » [Recipe Records] to set the cutting parameters.

Step 2.   Create a Dynamic Drawing object, and set the parameters as shown

below.

Dynamic Drawing

Step 3.   Build Macro, when hitting [Draw] button, the parameters will be sent
from Recipe Database to Dynamic Drawing object, and the wood
pattern will be drawn accordingly.
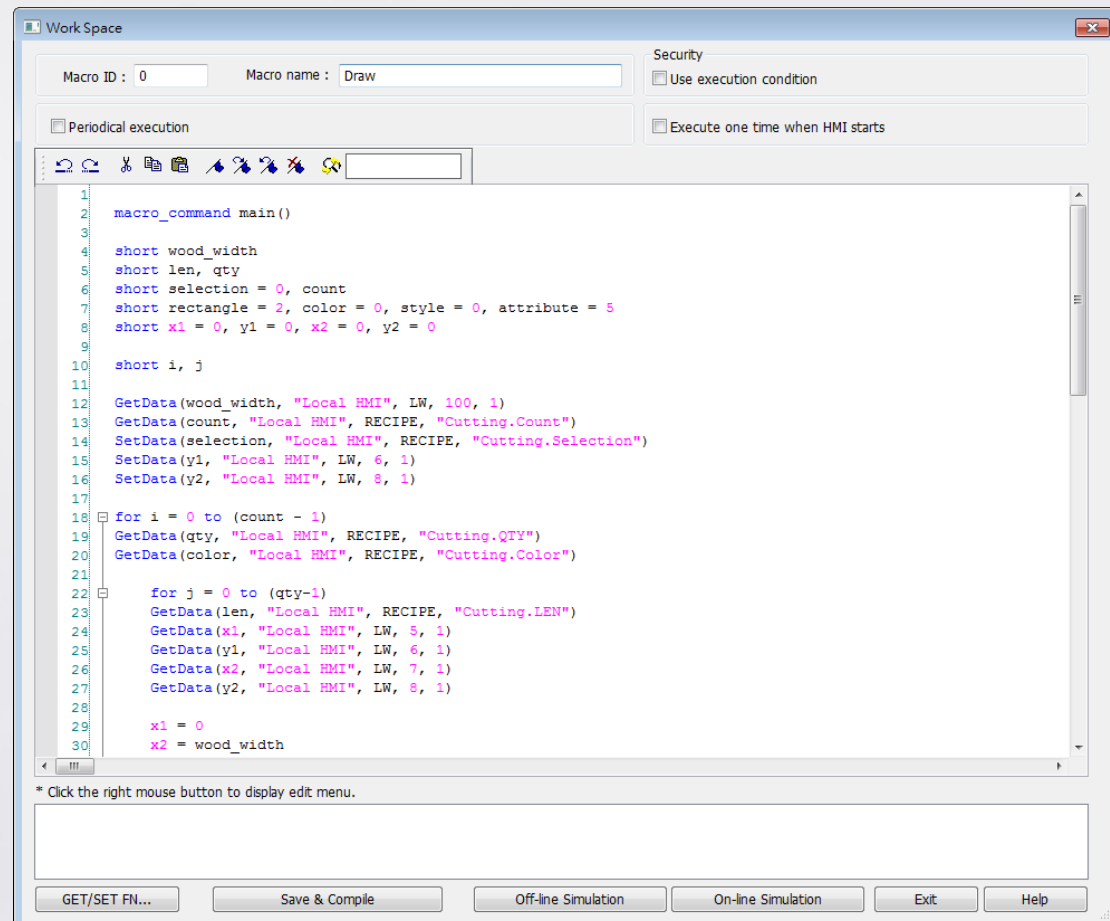
3. Addresses

The addresses of key objects used in this demonstration are listed below.

Object	Address	Object ID	Description
Window 10			
Dynamic Drawing	LB-0, LW-0	DO_0	Dynamic Drawing area.
Recipe View		RV_0	Shows recipe data.
Numeric	LW-100	NE_1	Set width.
Numeric	Recipe-Cutting.LEN	NE_2	Shows length.
Numeric	Recipe-Cutting.QTY	NE_3	Shows quantity.
Numeric	Recipe-Cutting.STEP	NE_4	Shows step number.
Option List	Recipe-Cutting.Color	OL_0	Shows color number.
Set Word	Recipe-Cutting.Command	SW_0	Change data in Recipe Database.
Set Word	Recipe-Cutting.Command	SW_1	Add new recipe into Recipe Database.
Set Word	LW-100	SW_2	When the window is opened, set a width for Dynamic Drawing.
Function Key		FK_0	Start drawing.
Set Bit	LB-0	SB_0	Clear drawing.