QuiltMotion QCT 5 Pantograph
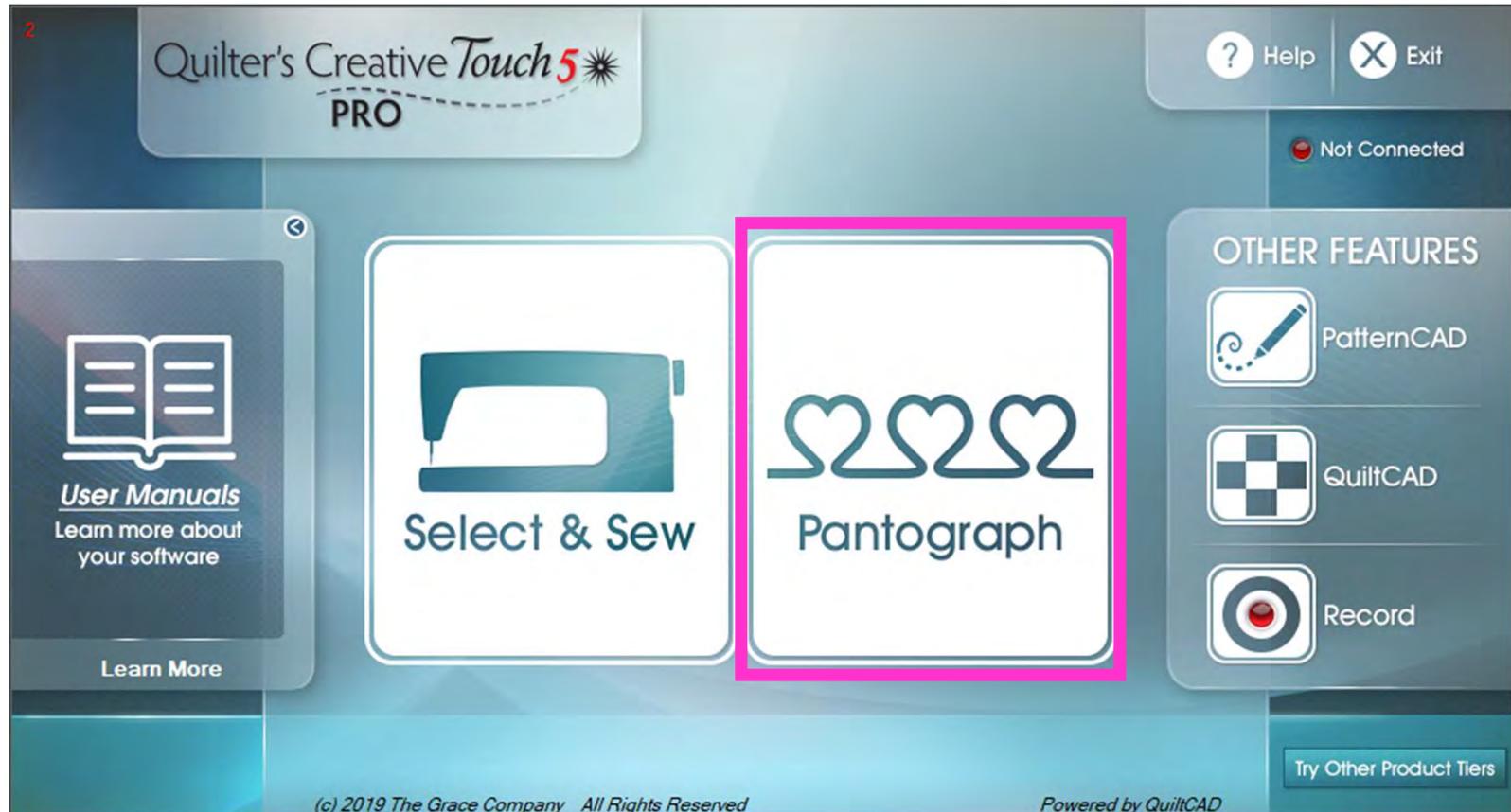
Pantograph Features continued . . .

A "Pantograph" is a continuous line design, also called a panto. Pantographs allow you to quilt an "Edge-to-Edge" design, which is a single design that covers the entire quilt top.   Pantographs are also used to quilt your borders and sashing borders around and your quilt.
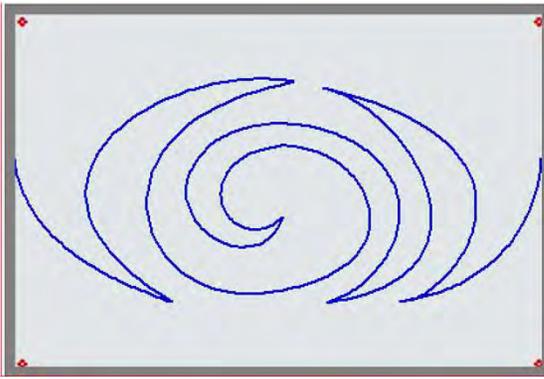
"Single Continuous Line Design"

Repeated single design making a single "Pantograph Design" for borders or border sashing
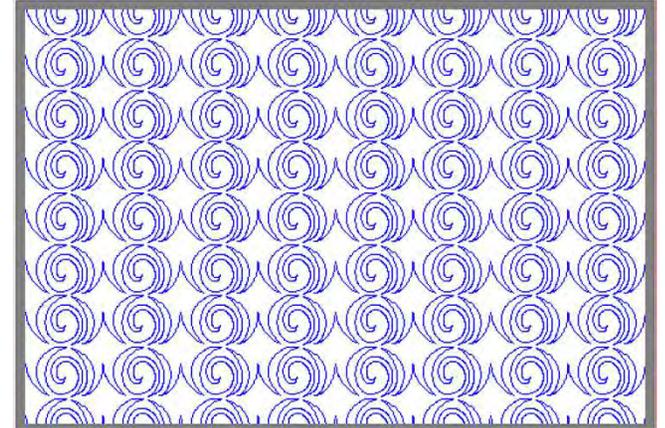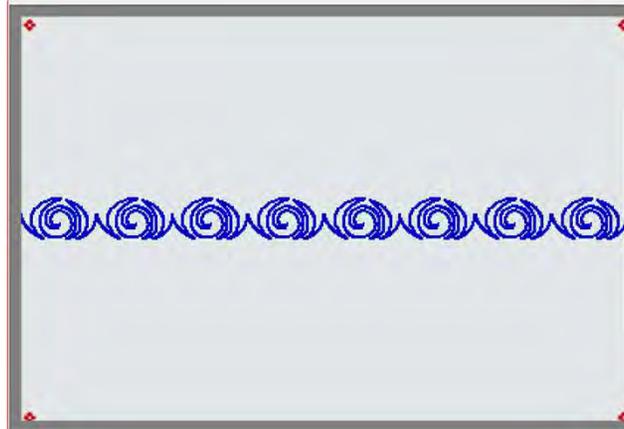
Rows of the pantograph design making an "edge-to-edge quilt design, covering the entire quilt top

Pantograph continued. . .

A "Pantograph Design" is a continuous line design used for quilting "all over quilt design" (also called "edge-to-edge quilt design").

"Edge-to-edge quilting " is a continuous line design quilted from one edge of the quilt to the other and is a repeated design from top to bottom. It is a quick, easy, and economical way to quilt. It also provides a balanced proportion of stitching and enhances your quilt without highlighting any individual feature on it.

Pantograph continued. . .

A "pantograph design" is a continuous line design used for quilting borders."

"Border Pantograph Design" is a single pantograph design used to frame your quilt. Using the right pantograph design on your borders will add an extra decorative finish, helping draw attention to your beautiful masterpiece.

Pantograph continued. . .

A "Pantograph Design" is a continuous line design used for quilting "Border sashings."

"Quilt Border Sashing Design" is a single Pantograph design used to quilt around your quilt block border. "Sashing Pantograph Design" can create a windowpane look to your quilt, making each block stand out.

Pantograph continued. . .

Important things to do before putting your quilt on the frame:

1. Backing should always be wider than your quilt top. 6-8" wider on all four side.

2. Batting should also be larger than you quilt top (2-3" wider each side) but smaller than the backing.

3. Measure your quilt top width and height/length write it down.

Backing 6-8" wider than batting and top

Batting 2-3" wider than top

Backing 6-8" wider than batting and top

Batting 2-3" wider than top

Backing 6-8" wider than batting and top

Batting 2-3" wider than top

Batting 2-3" wider than top

Backing 6-8" wider than batting and top

Pantograph continued. . .

Important things to do after attaching quilt to leaders on take-up rail:

take-up rail

Leader Cloth attached to quilt backing

Roll take-up rail to here

1.5-2"

4. Roll quilt up on take-up rail toward you or the front of the frame until there is 1.5-2" unrolled from your top.
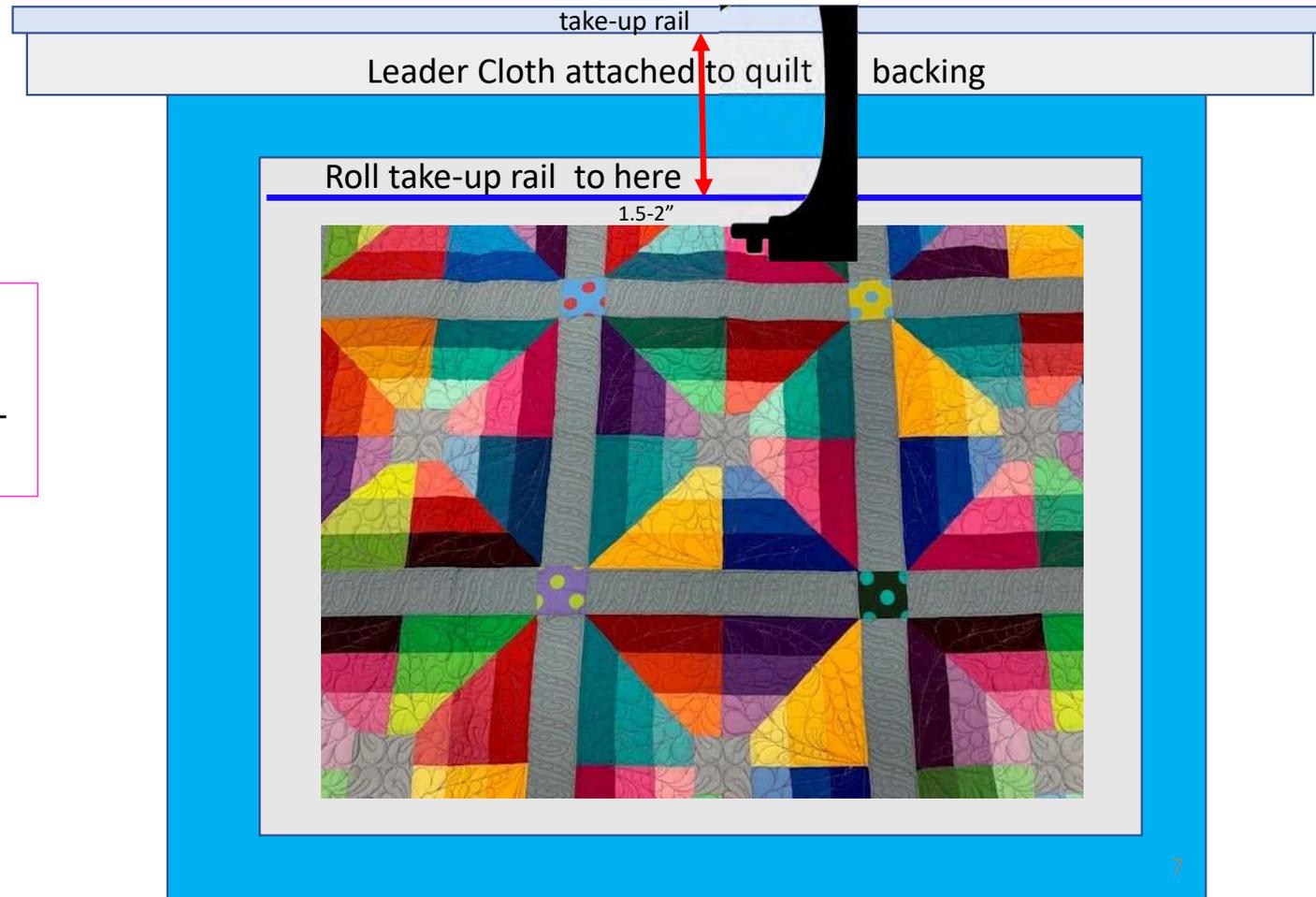
Pantograph continued. . .

Important things to do after attaching quilt to leaders on take-up rail.

take-up rail

5. Baste or sew along the quilt top edges to tack it down. This is important when quilting an edge-to-edge design; your design will sew off the edges of your quilt. If you don't tack down the edge your hopping foot can get caught and tear your quilt. Start on the left edge as far as the machine can reach and sew along the edge of the quilt top to the upper left corner then towards the upper right corner and down the right edge as far as the machine can reach.

 *After every roll tack down the left and right-side edges! When you get to the bottom tack, around the bottom edges as well.

Batting 2-3" wider than top

Backing 6-8" wider than batting and top

Pantograph continued. . .
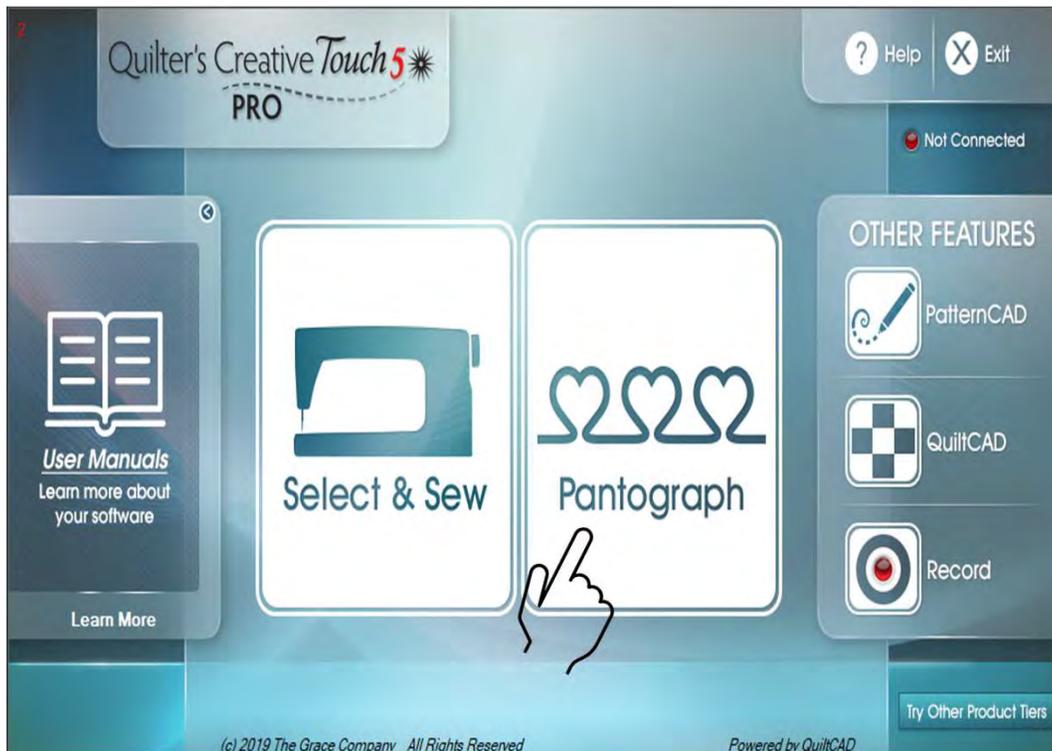
"Pantograph" let's you choose to quilt using:

"Power Panto" which is a quick, and easy way to quilt an edge-to-edge design across your quilt.

"EZ Panto" let's you decide the size of your design width and height.

"Basic Panto" help's you customize your design for a one-of-a-kind quilt.

"Advanced Panto" is used with "Gold Card Access" to customize your quilts with greater detail.

We will learn how to use and place our pantograph design using the best placement method for our quilt.

Pantograph Power Panto continued. . .

Safe Area Power Placement

Depth

Safe Area

Width

You will now be prompted to set the Safe Area Width and Depth.

OK
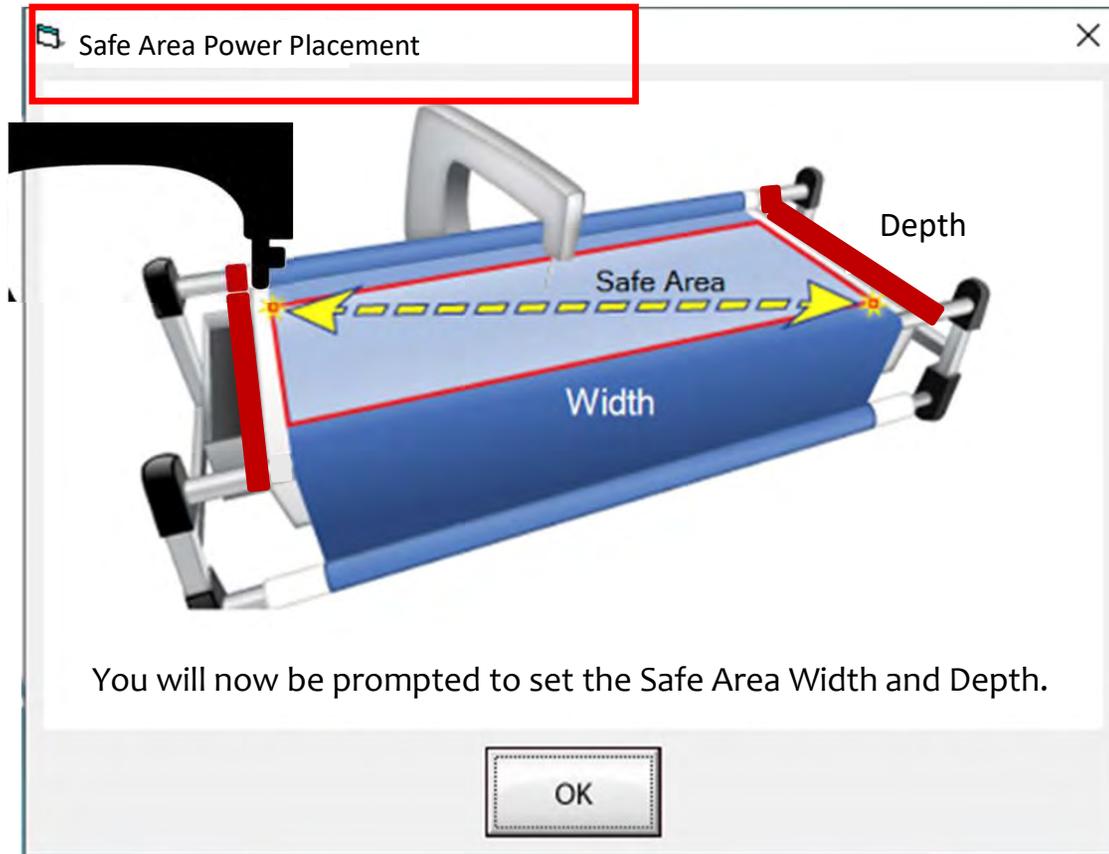
The "Safe Area" is your "quiltable," space on your quilt. It will be different for every quilt. The "Safe Area" is defined by quilt size, machine throat and design. For pantograph edge-to-edge design, you will want to set your safe area just off the edge of your quilt top so the design will sew off the edge slightly. How far off is determined by you and how wide your backing and batting are. Remember, you always cut your backing and batting wider than your top.

Let's set the safe area.

Pantograph continued. . .

Safe Area Power Placement ✕

Depth

Safe Area

Width

You will now be prompted to set the Safe Area Width and Depth.

OK

1. Move your machine off the quilt top to the top left corner until your machine's foot hits the take-up rail. Bring the machine forward just slightly. Make sure the machine is on the batting about ½-1"off the quilt top.

take-up rail

½-1"

½-1"
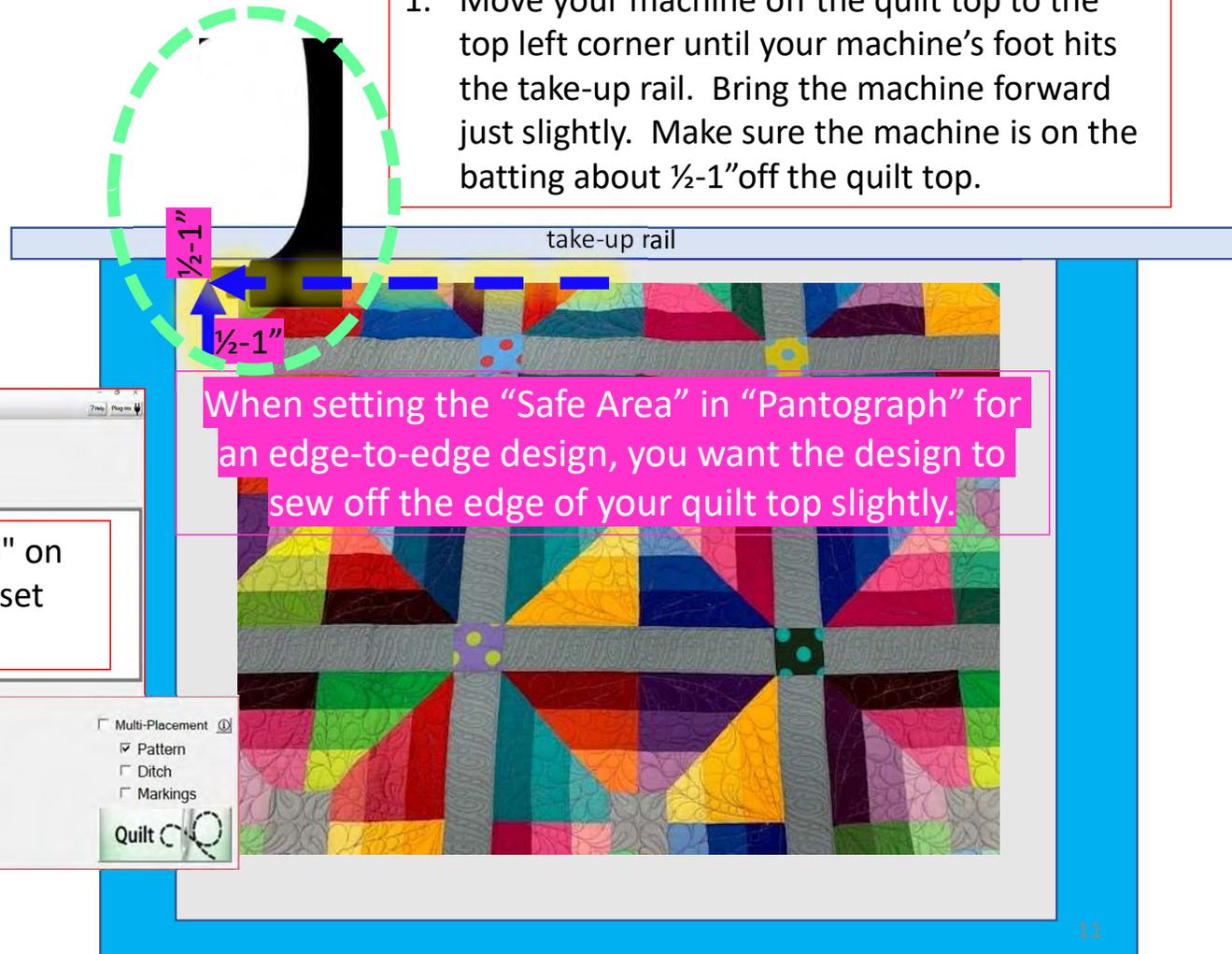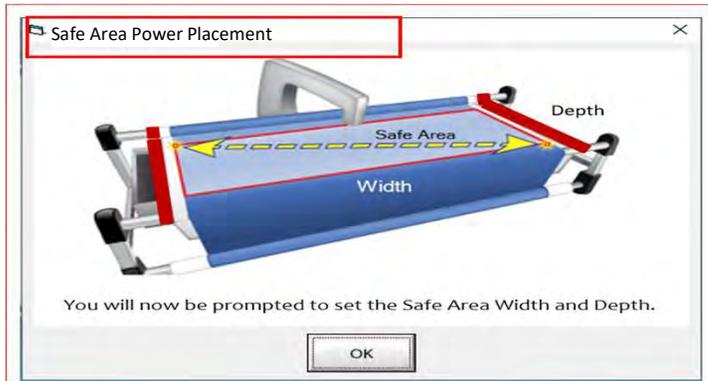
When setting the "Safe Area" in "Pantograph" for an edge-to-edge design, you want the design to sew off the edge of your quilt top slightly.

2. Click on "click to Set the Safe Area" on your tablet screen. You have now set the safe area "width."

Toolbox <
Ruler
Marking Tool
Set Safe Area

Show Pattern Size
Show Placement Nodes

Click to Set
the Safe Area

Multi-Placement ⓘ
☑ Pattern
☐ Ditch
☐ Markings

Quilt

Pantograph continued. . .

3. Move your machine across the width of the quilt top off the right edge onto the batting about ½-1". Now bring the machine as far as you can towards the front of the frame until you hit the back of your machine.

Safe Area Power Placement

Depth

Safe Area

Width

You will now be prompted to set the Safe Area Width and Depth.

OK

4. Click on "click to Set the Safe Area" on your tablet Screen you have now set the safe area "depth."

take-up rail

½-1"

Toolbox <

Ruler
Marking Tool
Set Safe Area

Show Pattern Size
Show Placement Nodes

Click to Set
the Safe Area

Multi-Placement
☑ Pattern
☐ Ditch
☐ Markings

Quilt

Important Notice:

Always remember that your machine will determine the size of your pantograph design. If you are quilting with a machine that has 9" throat (measure from the back of the machine to the needle) Make sure your design is less than 9" wide. Allow for reduction of your quilting area as you roll your quilt. The take-up rail (the rail/pole that goes through the arm of the machine) "takes up" the quilt layers as you roll to a new section and gets wider as you quilt. As the take-up rail gets wider when you roll the quilt you will loose from 6"- 9"of quilting area as you roll your quilt. This decrease is determined by the size of your quilt, batting loft (thickness), and piecing.
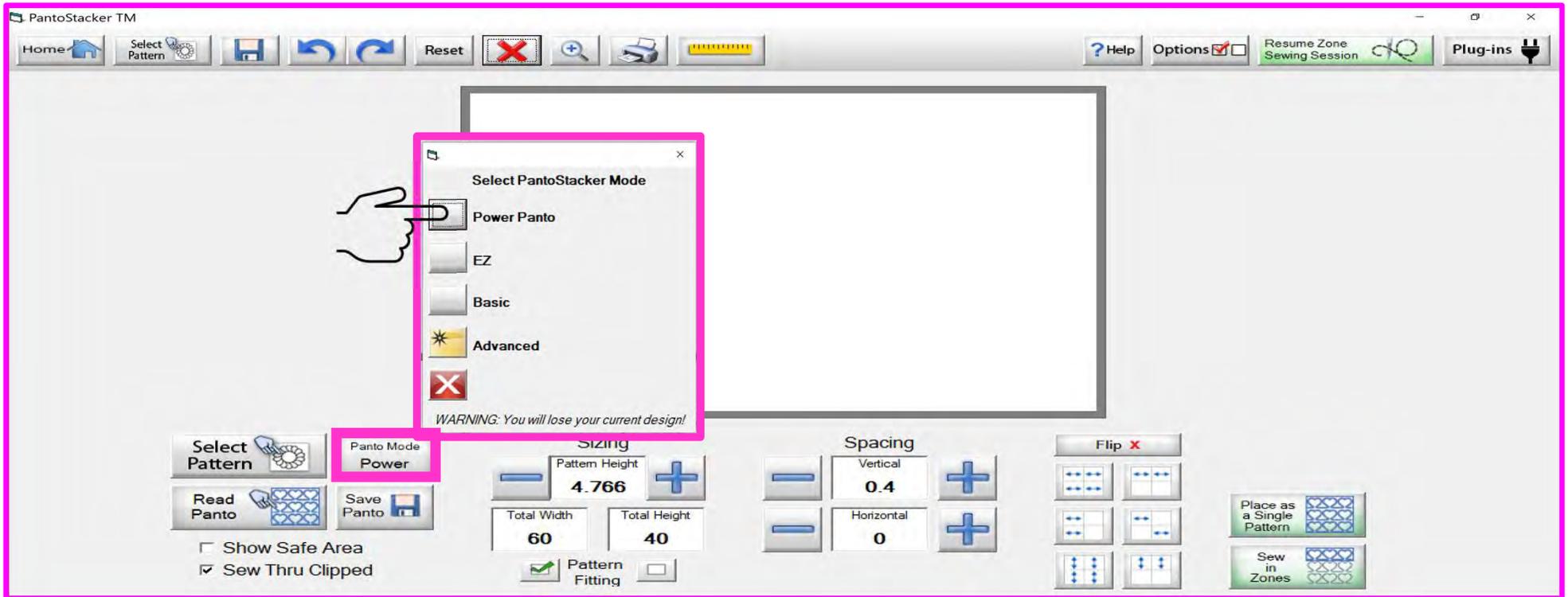
Back of Machine

15
16
17
18
19
20
21

Needle

Pantograph continued. . .

This is your "PantoStacker" screen. "PantoStacker" is our suite of tools to design pantographs-from a single row design to a whole quilt edge-to-edge design. The PantoStacker modes include "Power Panto," "EZ," "Basic," and "Advanced." Click on "Panto Mode Power" to choose a mode. We'll start with "Power Panto."

Pantograph continued. . .

1. **EXIT** - Exits *PatternCAD.*

2. **SELECT PATTERN** - Opens the pattern/design selection windows.

3. **SAVE** - Saves your current pattern.

4. **UNDO** - Removes last action preformed.

5. **RE-DO** - Replaces the action of an undo.

6. **RESET** - Resets all the changes made to your pantograph back to original settings.

7. **X** - Deletes your pantograph design to try a new design.

8. **ZOOM IN** - Magnifies and zooms in to enlarge your pantograph design.

9. **PRINTER** - Prints your pantograph design.

10. **RULER** - Tool used to measure the quilt area for proper sizing of pantograph.

11. **HELP** - Allows you to access the help files for more detailed information.

12. **OPTIONS** - Accesses the Preferences Menu.

13. **RESUME ZONE SEWING SESSION** - Opens your saved pantograph to resume quilting your quilt.

14. **PLUG-INS** - Access Batch Import and Export to import and export quilting designs.

15

Pantograph continued. . .

Home	Select Pattern				Reset	X				? Help	Options	Resume Zone Sewing Session	Plug-ins
1	2	3	4	5	6	7	8	9	10	11	12	13	14
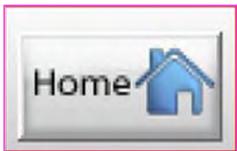
Home

1. Home – EXIT the PantoStacker screen. Returns to the Home Screen

Select Pattern

2. SELECT PATTERN - Opens the pattern/design selection windows.

Pantograph continued. . .

Home	Select Pattern				Reset	X	🔍	🖨	📏		?Help	Options ☑☐	Resume Zone Sewing Session	Plug-ins
1	2	3	4	5	6	7	8	9	10		11	12	13	14

3. SAVE - Saves your current pattern.

Touch Keyboard

~ `	! 1	@ 2	# 3	$ 4	% 5	^ 6	& 7	* 8	(9	) 0	- _	+ =	Bksp
Clear	Q	W	E	R	T	Y	U	I	O	P	[{	] }	\
Lock	A	S	D	F	G	H	J	K	L	; :	' "	Enter
Shift	Z	X	C	V	B	N	M	< ,	> .	? /	Space

Paste

Save Power Panto:

New Drive | C: | Powered B

test file 3.pow

Delete 🗑 **File Name ->**

File Types

pantograph save .pow   testfile 3.pow
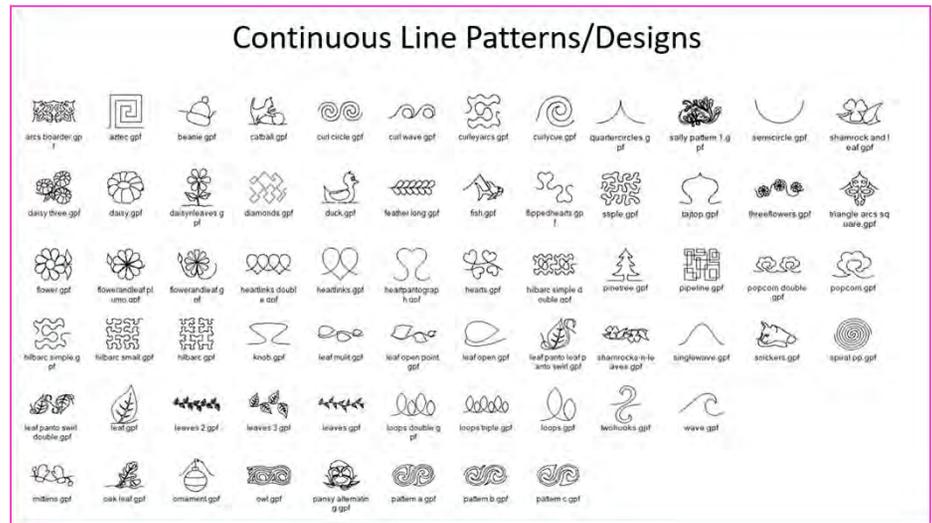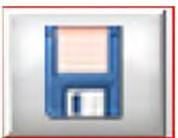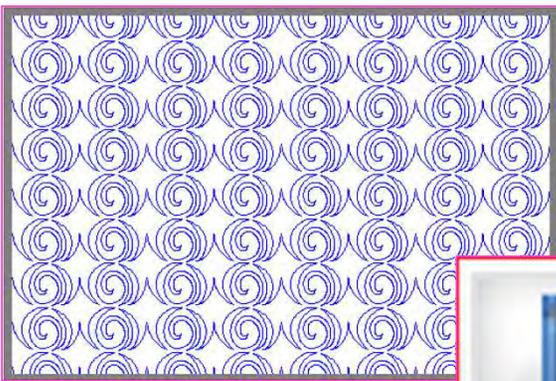
a. On pantograph design you want to save, Clickon "Save Pattern icon."

"Save Pattern"

b. Click in the "File Name" to bring up the keyboard. Type the name you want to call this panto design.
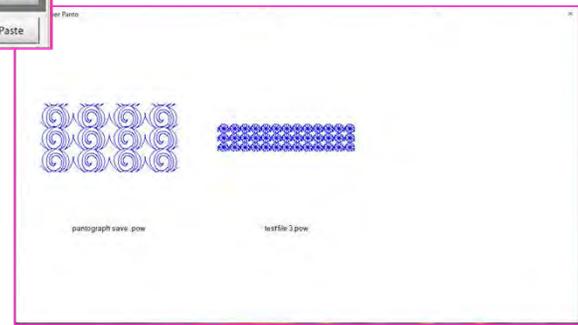
c. Click on "Enter" to save the named pantograph design.

PantoStacker TM

— ⬜ X

| Home | Select Pattern | 💾 | ↶ | ↷ | Reset | ✖ | 🔍 | 🖨 | 📏 | | ?Help | Options ☑⬜ | Resume Zone Sewing Session | Plug-ins 🔌 |

1   2   3   4   5   6   7   8   9   10   11   12   13   14

4. UNDO - Removes last action preformed.
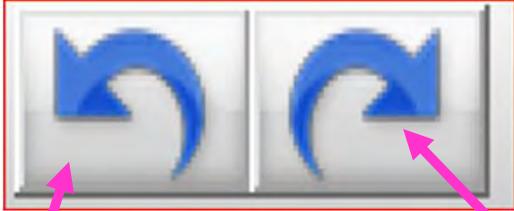
5. RE-DO - Replaces the action of an undo.

UNDO last action preformed or design

RE-DO - Replaces the action of an undo.
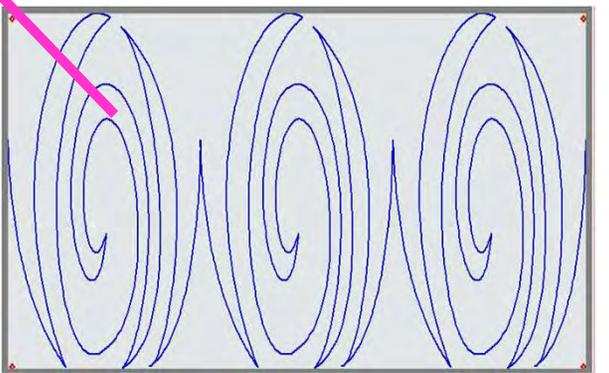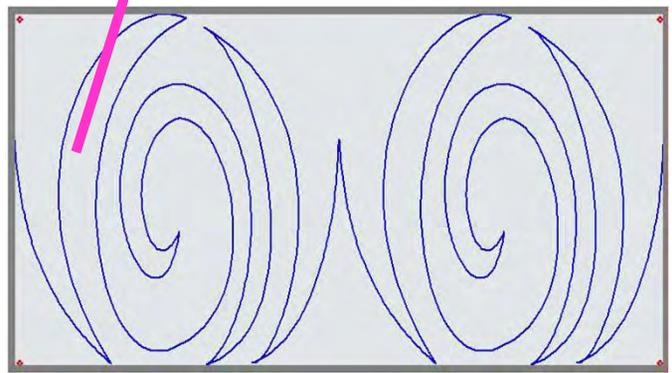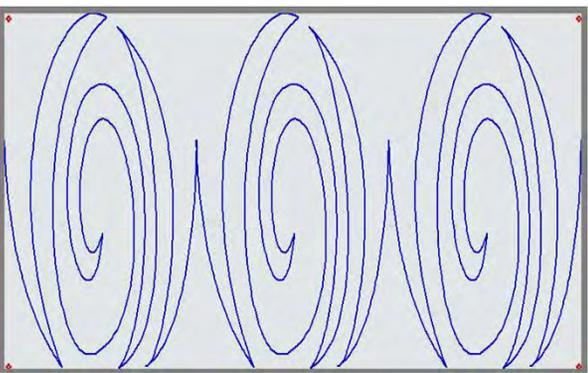
New panto design

18

Pantograph continued. . .

Home	Select Pattern	💾	↩	↪	Reset	❌	🔍	🖨	📏		?Help	Options ☑☐	Resume Zone Sewing Session	Plug-ins
1	2	3	4	5	6	7	8	9	10		11	12	13	14

6. RESET - Resets all the changes made to your pantograph back to original settings.

Changes made to design

Reset to original design to make new changes

19

Pantograph continued. . .

PantoStacker TM

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

7. **X** - Deletes your pantograph design to try a new design.

New panto design

Deleted panto design

PantoStacker TM — ☐ ☐ X

Home	Select Pattern	💾	↩	↪	Reset	✖	🔍+	🖨	📏	?Help	Options ☑☐	Resume Zone Sewing Session	Plug-ins
1	2	3	4	5	6	7	8	9	10	11	12	13	14
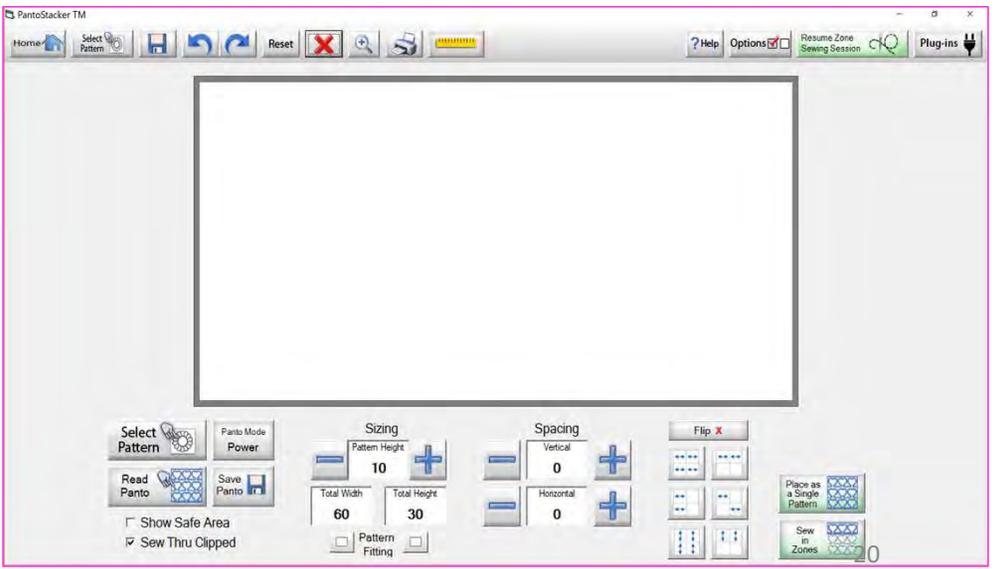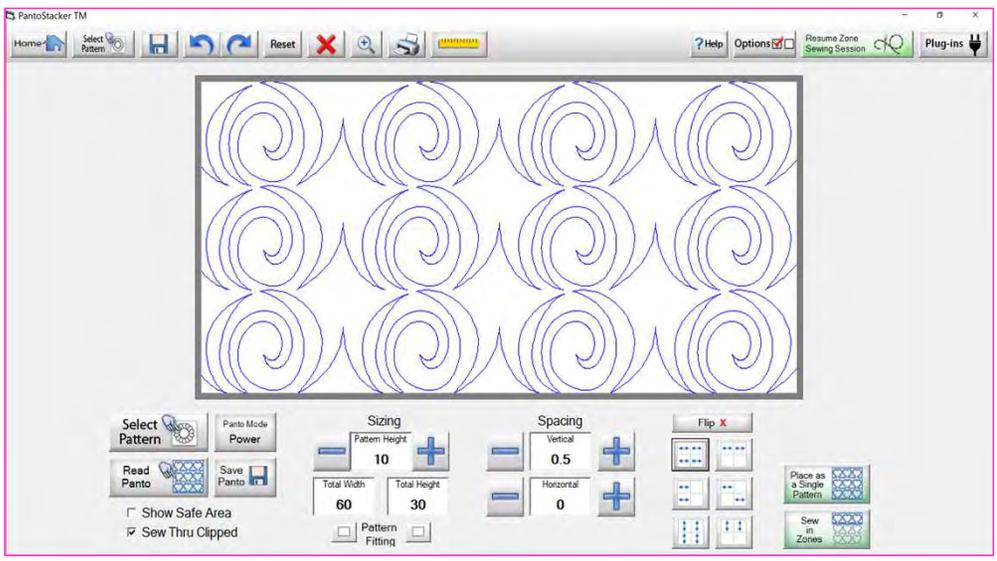
8. ZOOM IN - Zooms in to enlarge your pantograph design. "Fit" zooms out to original size

Fit

Zoom in for a closer look at your design

Zoom in for a closer look at your design

Exit Zoom Feature

Click on "FIT" to zoom out to original size

21

PantoStacker TM

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

9. Print your Pantograph design to follow with along manually laser.
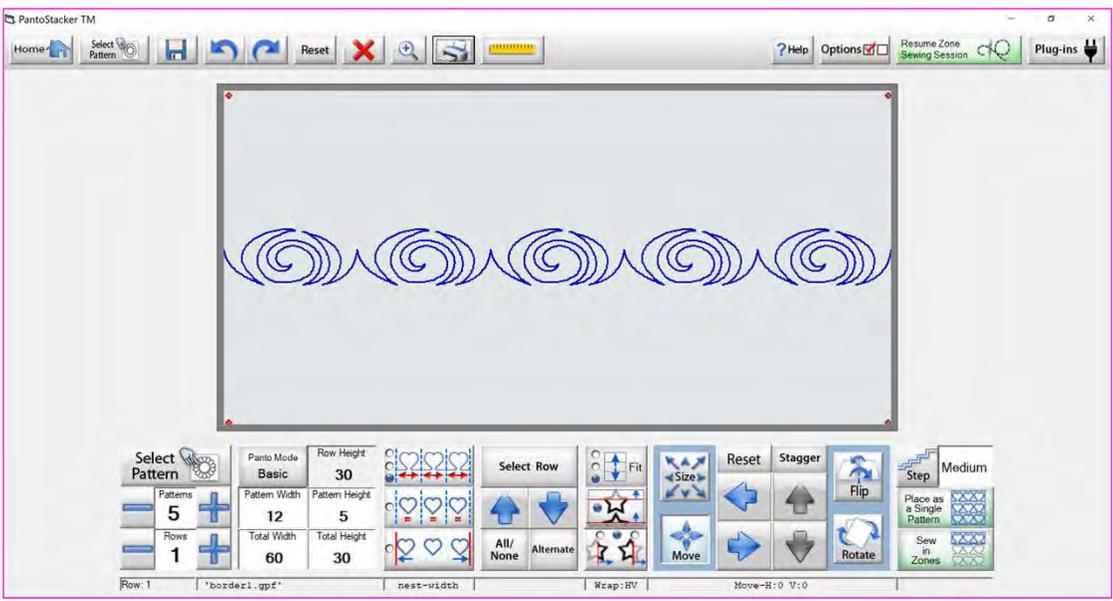
To print your pantograph design, click on "Print"

PantoStacker TM

| Home | Select Pattern | | | | Reset | X | 🔍 | 🖨 | 📏 | | Help | Options ☑☐ | Resume Zone Sewing Session | Plug-ins |

1   2   3   4   5   6   7   8   9   10   11   12   13   14

9. Print your pantograph design to follow along using a laser.

To "print" your single pantograph design, change your pattern height and total height to what size you want each single design to be. If you want each design/pattern to be 5" then change your "Pattern Height" and "Total Height" to "5." How wide is your quilt that is want size you will use for the "Total Width." Now that you have those measurements you can decide how many designs look good in space. Below we only have 5 designs to cover 60" width. Reminder, the throat of your machine will also determine the depth/size.

Select Pattern	Panto Mode Basic	Row Height 5		Select Row		Fit	Size	Reset	Stagger	Flip	Step	Medium
Patterns 5	Pattern Width 12	Pattern Height 5		⬆ ⬇							Place as a Single Pattern	
Rows 1	Total Width 60	Total Height 5		All/ None	Alternate		Move			Rotate	Sew in Zones	

Row: 1   'border1.gpf'   nest-width   Wrap:HV   Move-H:0 V:0

23

PantoStacker TM — ☐ X

| Home | Select Pattern | 💾 | ↩ | ↪ | Reset | ✗ | 🔍 | 🖨 | 📏 | | ?Help | Options ☑☐ | Resume Zone Sewing Session | Plug-ins |

1   2   3   4   5   6   7   8   9   10   11   12   13   14

9. Print your pantograph design to follow along using a laser.

Not enough designs for width

To many designs for width

Right number of designs for width
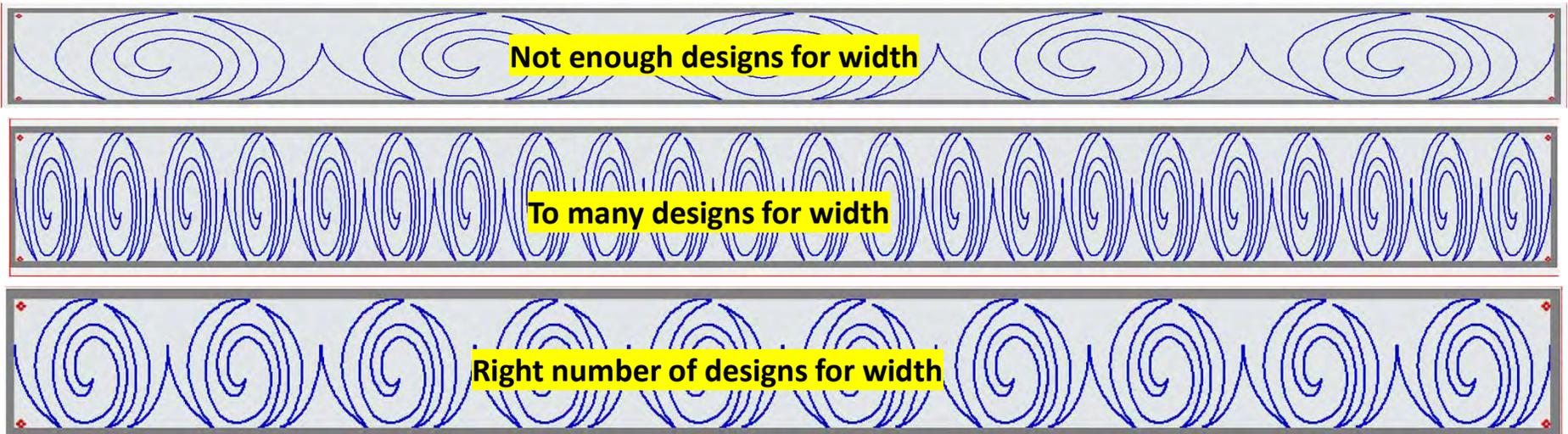
Select Pattern	Panto Mode Basic	Row Height 5		Select Row		Size	Reset	Stagger	Flip	Step	Medium
Patterns 5	Pattern Width 12	Pattern Height 5		⬆ ⬇	Fit		⬅	⬆		Place as a Single Pattern
Rows 1	Total Width 60	Total Height 5		All/None Alternate		Move	➡	⬇	Rotate	Sew in Zones

Row: 1   'border1.gpf'   nest-width   Wrap:HV   Move-H:0 V:0

PantoStacker TM

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

Home | Select Pattern | [save] | [undo] | [redo] | Reset | X | [zoom] | [print] | [ruler] | ?Help | Options ☑☐ | Resume Zone Sewing Session | Plug-ins

9. Print your pantograph design to follow along using a laser.

Print Setup   Pattern Size (h x w): 5 x 60

X   ?Help

This is the "Print" screen that shows the designed pantograph. We see our pattern/design height and width and we can also tell how many pages will be printing. Unchecking the boxes below will change the way your pantograph design will print.

Show Stitching ✓ | Block Border ✓ | Show Page ✓ | Show Markers ✓ | Stitches per Inch [−] 10 [+] | Print Setup | Print Pattern | Print Map

Sheet Caption Pattern Size (h x w): 5 x 60

Print Pages (1-4, 5,11..) 1-9

25

PantoStacker TM

Home	Select Pattern				Reset	X	+				? Help	Options ☑☐	Resume Zone Sewing Session	Plug-ins

1   2   3   4   5   6   7   8   9   10   11   12   13   14

9. Print your pantograph design to follow along using a laser.
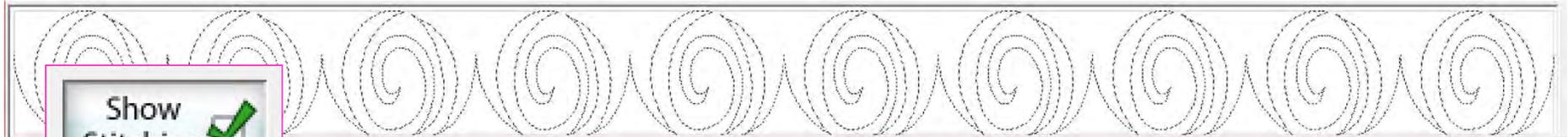
Show Stitching ✓

"Show Stitching" checked shows a stitching line on your pantograph.
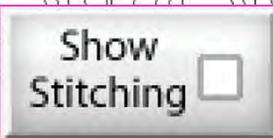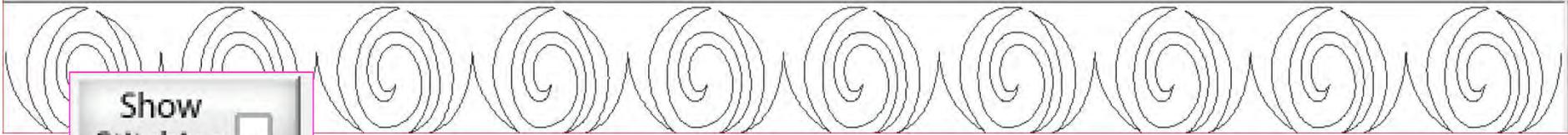
Show Stitching ☐

"Show Stitching" uncheck shows a solid line on your pantograph.

26

Pantograph continued. . .

Home	Select Pattern	💾	↶	↷	Reset	❌	🔍	🖨	📏		?Help	Options☑☐	Resume Zone Sewing Session	Plug-ins

1   2   3   4   5   6   7   8 9   10   11   12   13   14

9. Print your pantograph design to follow along using a laser.
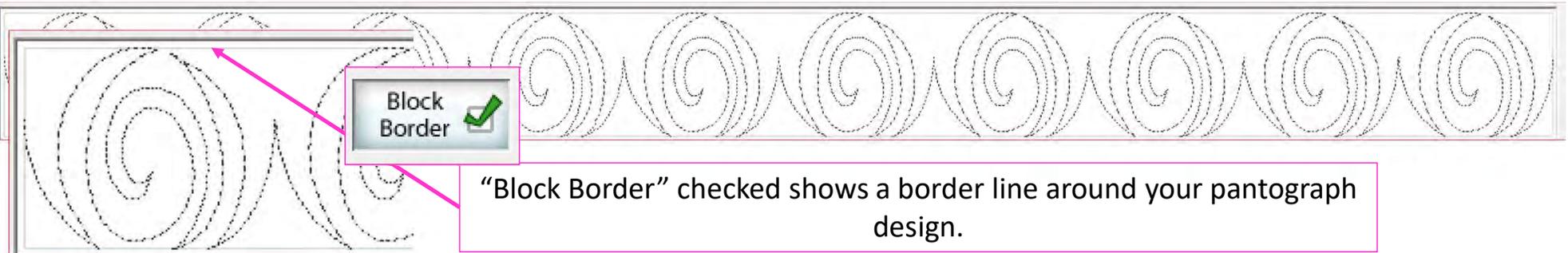
Block Border ✅

"Block Border" checked shows a border line around your pantograph design.
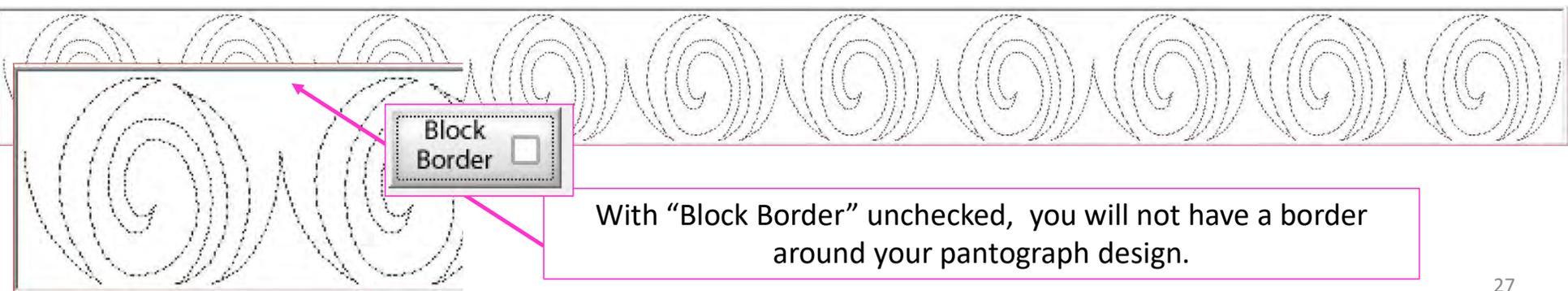
Block Border ☐

With "Block Border" unchecked, you will not have a border around your pantograph design.

27

PantoStacker TM — □ X

| Home | Select Pattern | 💾 | ↩ | ↪ | Reset | ✖ | 🔍 | 🖨 | 📏 | | ?Help | Options ☑☐ | Resume Zone Sewing Session | Plug-ins |

1   2   3   4   5   6   7   8   9   10   11   12   13   14

9. Print your pantograph design to follow along using a laser.

Show Page ✅

"Show Page" checked shows how many pages you have for your pantograph design.
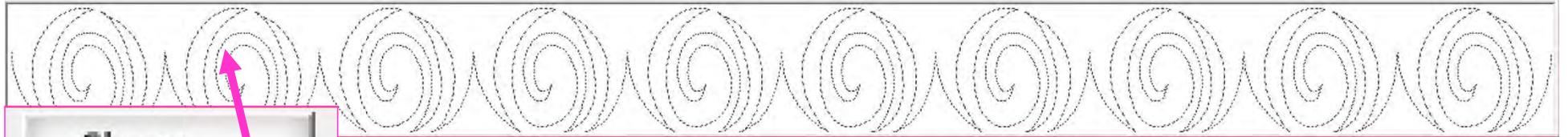
Show Page ☐

"Show Page" uncheck no pages showing for your pantograph design.

Pantograph continued. . .

Tape together to form a pantograph the width of your quilt.

Align printed panto using the (+).

It is important to make sure you have enough space to quilt from the back of your frame. You will need at lease 24-30" of clearance to quilt.

Place the pantograph on the back of your quilting frame table. Move your machine forward until the machine's throat hits the take-up rail. Move the machine back as far as you can or until you come close to the needle without hitting the take-up rail. This will help you determine where to position the pantograph on the table. Move the machine down your quilt moving forward and back to help position the pantograph the width of your quilt.

Use your laser to follow from the back of your fame. You will need "Rear Handles," which are an added accessory for some machines.

PantoStacker TM

Home | Select Pattern | | | | Reset | X | | | | | | Help | Options | Resume Zone Sewing Session | | Plug-ins

1   2   3   4   5   6   7   8 9   10   11   12   13   14

Quilting Interface -   0: USB not connected   Safe Area: 60 x 30
File   Help   Debug

? Help

10. The ruler enables you to measure distances on your quilt. You can measure borders, sashings, or block lengths and widths and find the center on those measurements. The measurements can be used to size your quilt top or block, to precisely place and quilt a design or pantograph.

Discover the many uses of the Ruler . . .

Ruler Functions

Quilt Width: 42.484

Back

Release Carriage

Apply Measurement

Length (in)
Total Stitches:
Sewn:
Remaining:
% Complete:

Ruler Screen Button Functions

Ruler Functions

Quilt Width: 44.084

Back

Release Carriage

Apply Measurement
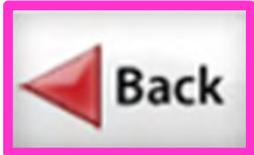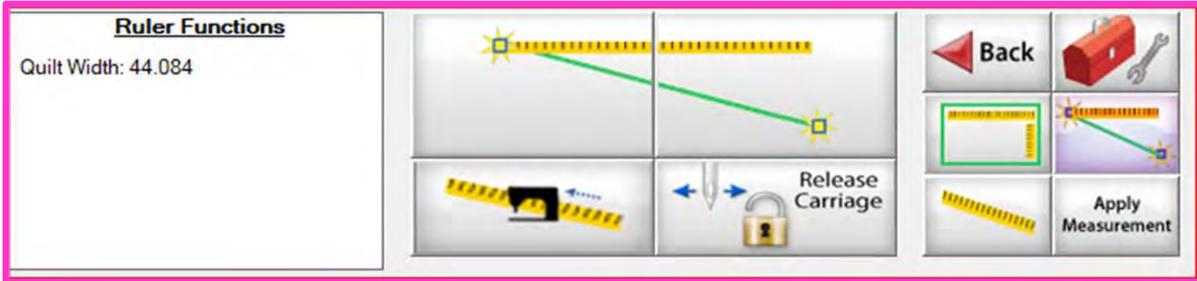
Back

Takes you back to home screen

Toolbox
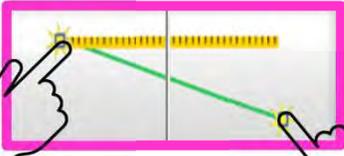
Place Measurement

Measure width distance between two (perfectly straight) points
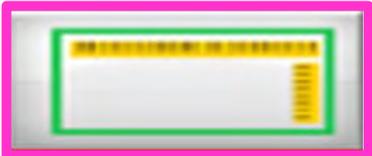
Measure width and depth area at the same time

Tape measure measures the width between two points (it may not be perfectly straight)

Moves to the center of your measurement

Release Carriage

Releases carriage so you can move it for placement or to move to the center of your measurement

Apply Measurement

Applies measurement to your "PantoStacker" screen

Measure the distance between two points

Quilting Interface - 0: USB not connected Safe Area: 60 x 30

File Help Debug

Help

2. Move your machine to the top left corner of your quilt top and tap on the ruler below

3. Move your machine to the top right corner of your quilt top and tap on the ruler below

1. Tap on the ruler to measure the distance/width of a block, border or sashing on your quilt.

Ruler Functions

Quilt Width: 42.484

Release Carriage

Apply Measurement

Length (in)

Total Stitches:

Sewn:

Remaining:

% Complete:

Ruler

PantoStacker TM

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

Home | Select Pattern | | | | Reset | | | | | | ?Help | Options ✓□ | Resume Zone Sewing Session | Plug-ins

Quilt Width: 53.411

?Help

Ruler Functions
Quilt Width: 53.411

Length (in)
Total Stitches:
Sewn:
Remaining:
% Complete:

Back
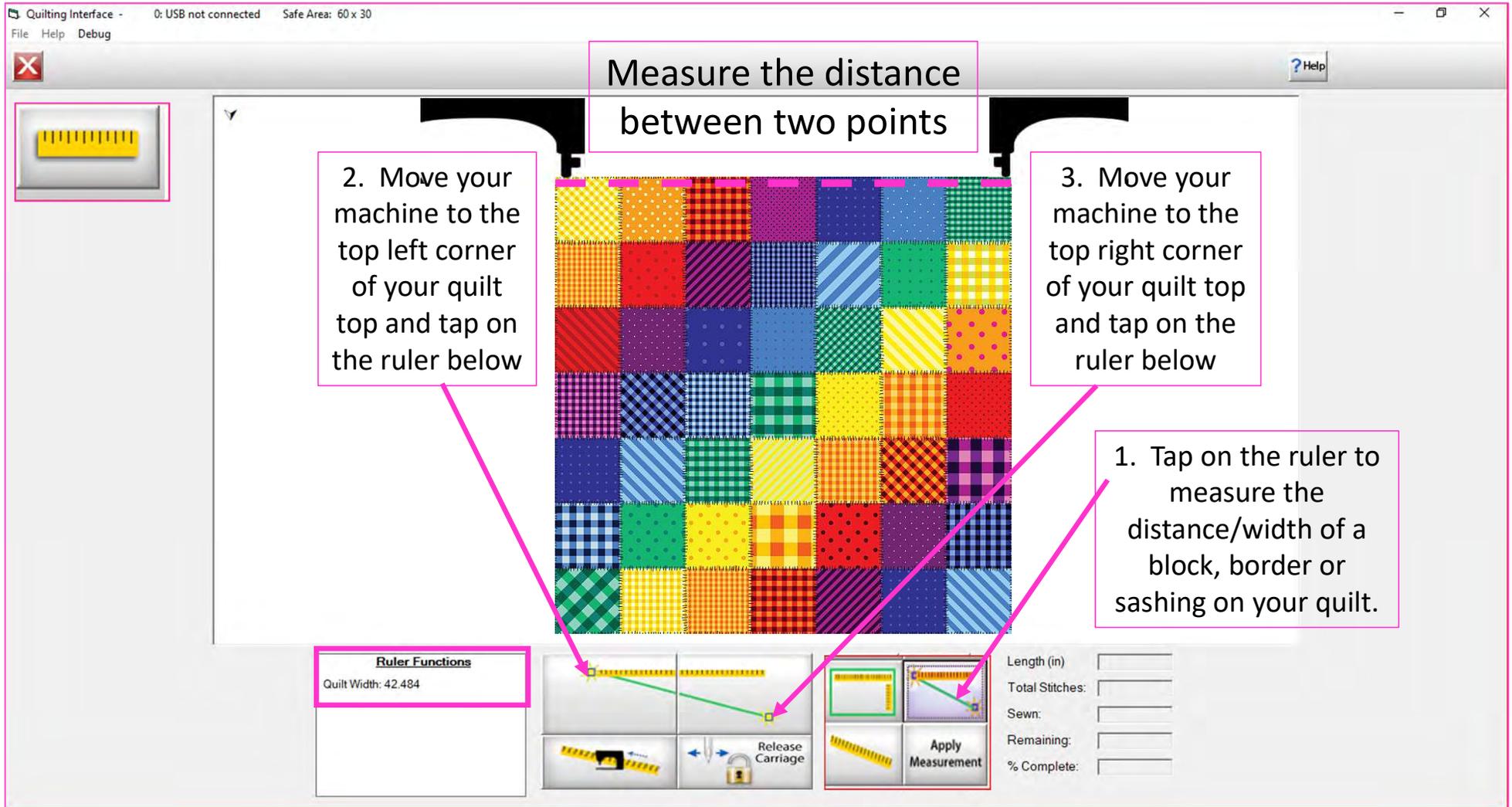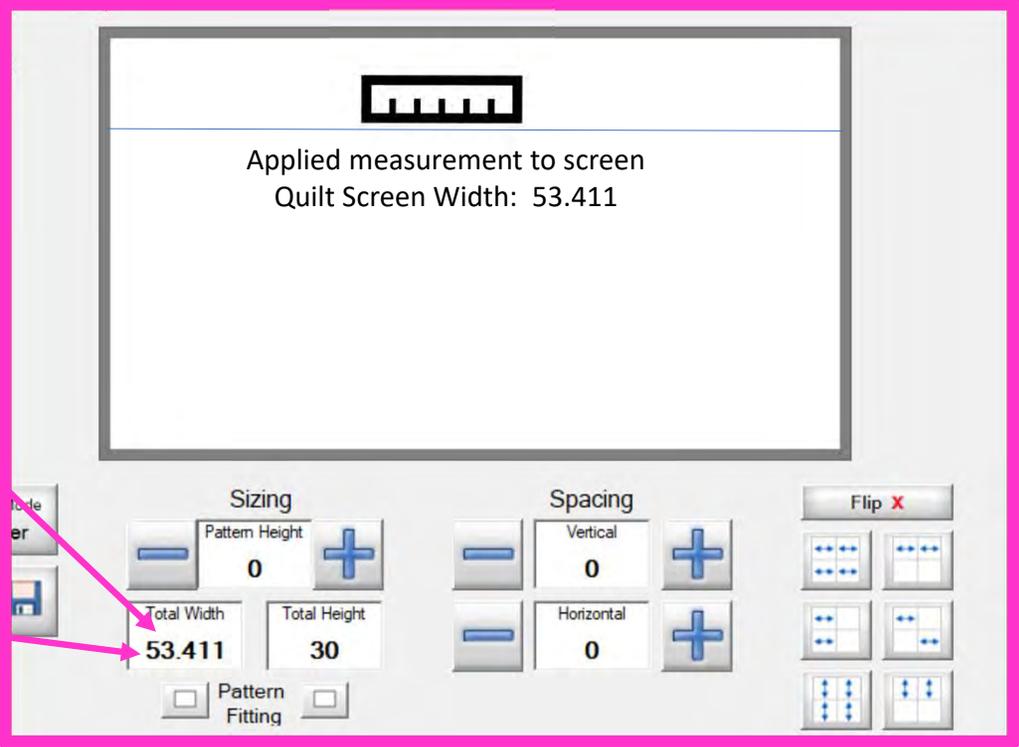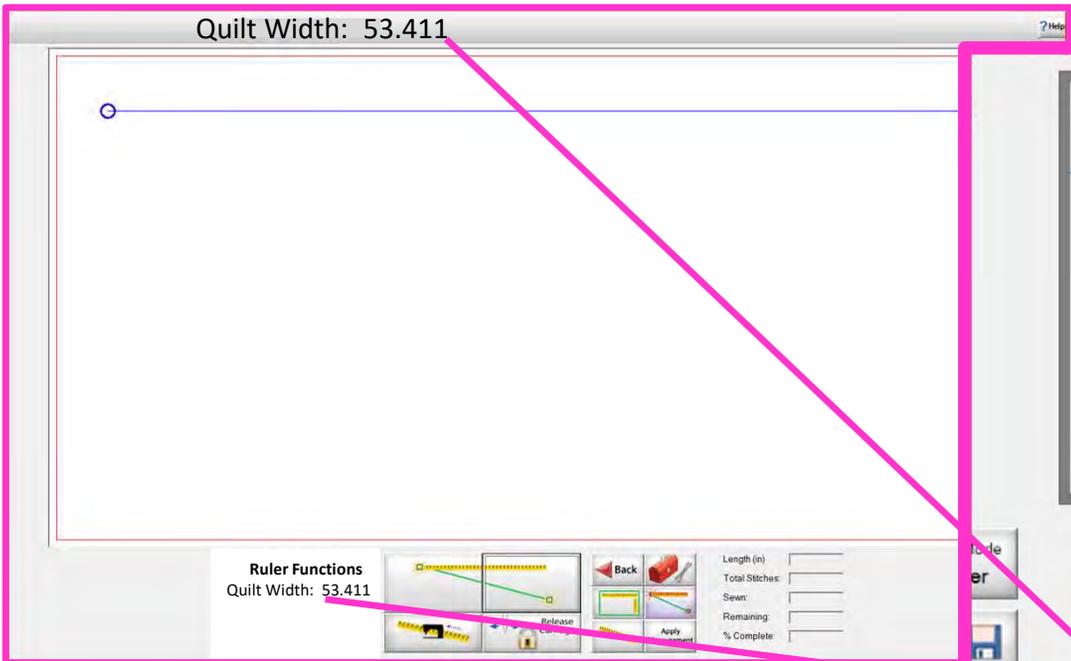
Apply Measurement

"Apply Measurement" to "PantoStacker Screen"

Applied measurement to screen
Quilt Screen Width: 53.411

Sizing

Pattern Height
0

Total Width
53.411

Total Height
30

□ Pattern Fitting □

Spacing

Vertical
0

Horizontal
0

Flip X

33

Measure the width and depth between two points.

File   Help   Debug

2. Move your machine to the top left corner of your quilt top tap on the ruler below.

3. Move your machine to the bottom right of your row, border, section on your quilt.

1. Tap on the "L" shaped ruler to measure both distance and width or quilting area.

Ruler Functions

Height: 4.093
Width: 44.084

Release Carriage

Apply Measurement

34

Ruler

"PantoStacker Screen" with applied measurements

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

Depth: 5.029 Width: 54.942

Ruler Functions
Depth: 5.029
Width: 53.411

Ruler

PantoStacker TM

Home	Select Pattern				Reset	X	🔍	🖨	📏		?Help	Options ☑▢	Resume Zone Sewing Session	Plug-ins
1	2	3	4	5	6	7	8	9	10			11	12	13	14

Length: 55.908

?Help

The tape measure is used to measure the width between two points (it may not be perfectly straight). If it is not perfectly straight, then it may affect your design placement and how it will look on your quilt.

Ruler Functions
Length: 55.908
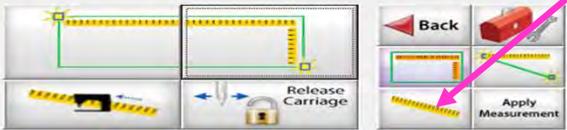
◀ Back

Release Carriage

Apply Measurement

Length (in)
Total Stitches:
Sewn:
Remaining:
% Complete:

36

Pantograph continued. . .

PantoStacker TM — □ X

| Home | Select Pattern | 💾 | ↶ | ↷ | Reset | ✖ | 🔍 | 🖨 | 📏 | | ?Help | Options ☑☐ | Resume Zone Sewing Session | Plug-ins |

1   2   3   4   5   6   7   8 9   10   11   12   13   14
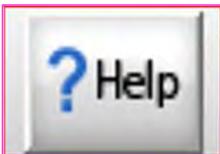
? Help

11. The help button takes you to all the available help files to learn QuiltMotion QCT 5 and sew much more.

Pantograph Training Advanced	Pantograph Training Basic	Pantograph Training Entry Level	Pantograph Training EZ	Pantograph Training Power	Pantograph Training
Select and Sew Training	Setting the Safe Area				

More Help Files Coming soon.

PantoStacker TM

| Home | Select Pattern | | | | Reset | X | 🔍 | 🖨 | 📏 | | ? Help | Options ☑☐ | Resume Zone Sewing Session | Plug-ins |

1   2   3   4   5   6   7   8 9   10   11   12   13   14
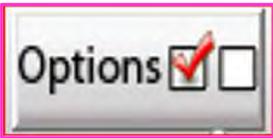
Options ☑☐

12. Use the Options to access the Preferences Menu, where you can change your settings and options to your QuiltMotion QCT 5.

Preferences

QuiltCAD
- Line Color
- Selected Cell Color
- Active Cell Color
- Defaults

PatternCAD
Colors
- Lines   Trim
- Nodes   Bottom
- Handles   Grid
- Mirrors   Defaults

Continuous Lines ☐

Line Width
1

Handle Size
Medium

Print/Export
- Line Color
- Trim Line Color
- Defaults

Quilting Interface
- ☐ Show Grid
- ☐ Remove clipped fragments.
- ☑ Show Zone Marking Hints
- ☑ Close Trims 0.2
- ☑ Sew Thru Safe Area Clipping
- ☑ Mark Next Zone Tool Enabled

PantoStacker
- ☐ Show Grid

Quick Exit

Cancel   OK

38

Options

QuiltCAD and PatternCAD helps you create a new design or adjust an existing design.
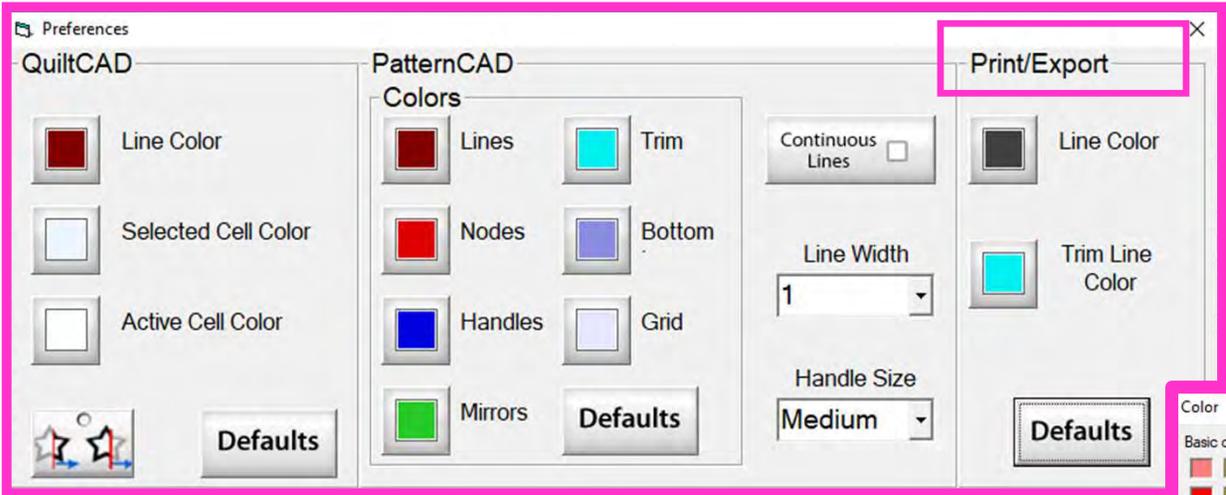
Change the color of your lines, nodes, handles, mirrors, or trims. Just Click on one of the buttons and change to a color of your choice.

Print/Export can only be used with QuiltMotion/Quilter's Creative Touch Pro

Options

Preferences ✕

QuiltCAD

- Line Color
- Selected Cell Color
- Active Cell Color
- Defaults

PatternCAD

Colors

- Lines
- Nodes
- Handles
- Mirrors
- Trim
- Bottom
- Grid
- Defaults

Continuous Lines ☐

Line Width
1

Handle Size
Medium

Print/Export

- Line Color
- Trim Line Color
- Defaults
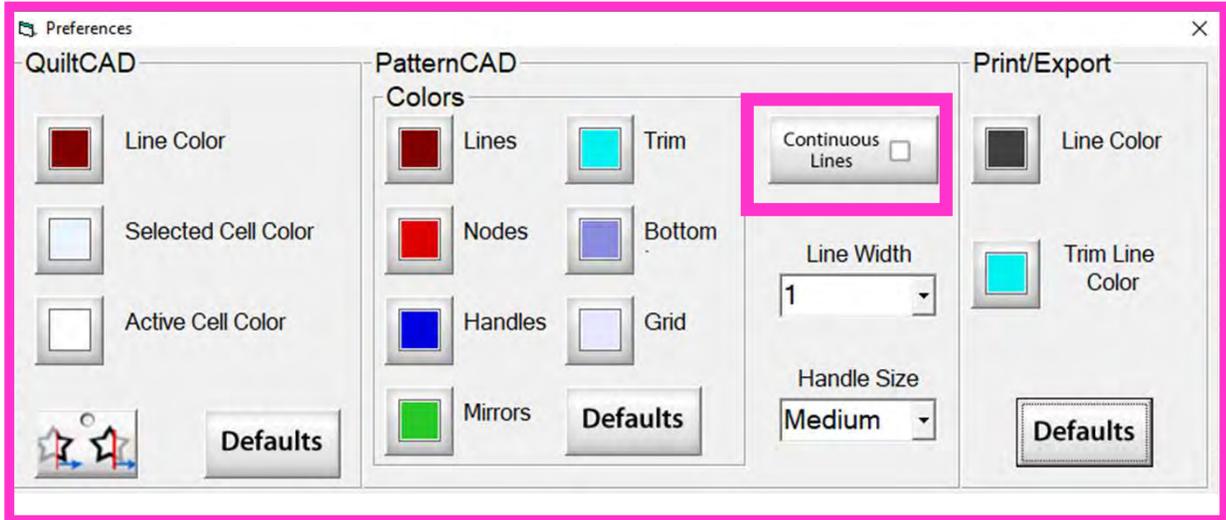
Continuous Lines - if checked each node that you add will connect to the previous, making a continuous line without any breaks.
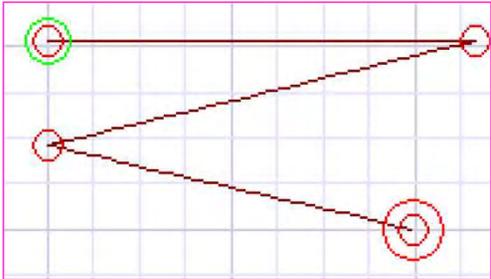
"Continuous Lines" Checked
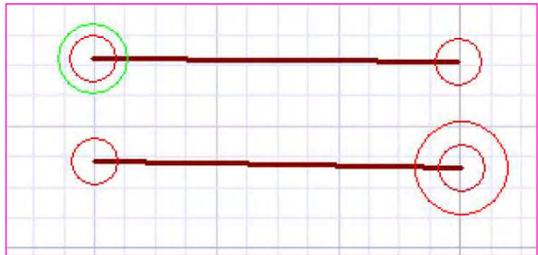
"Continuous Lines" not Checked

40
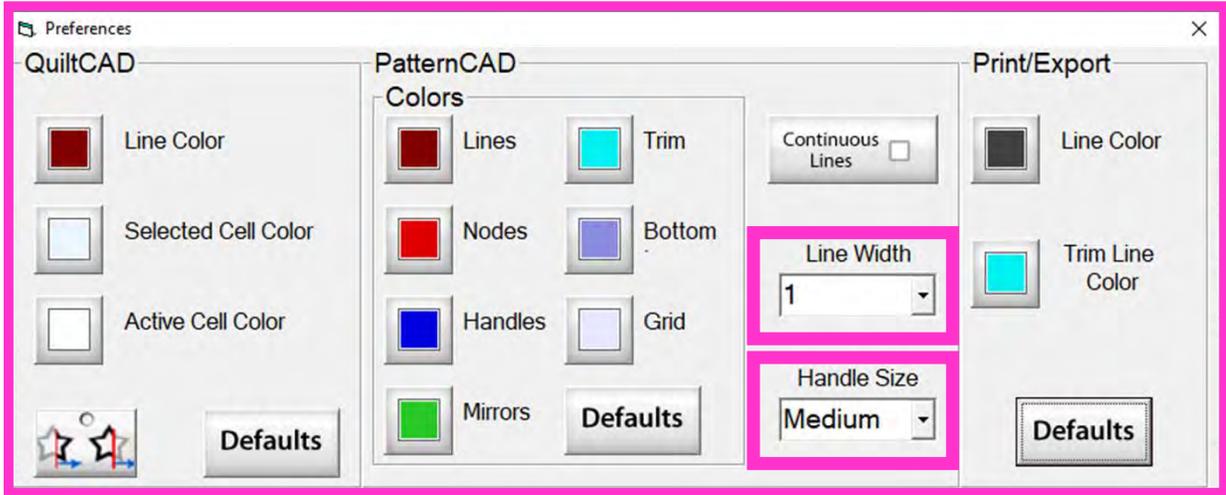
"Line Width" allows you to change the width of the lines in PatternCAD.
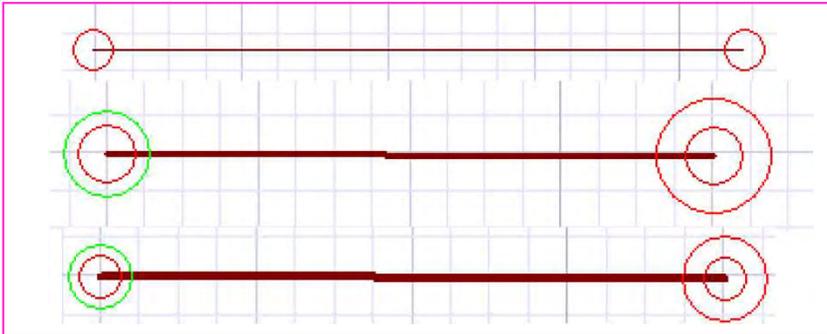
"Handle Size" changes the size of the handles, making them easier to select.
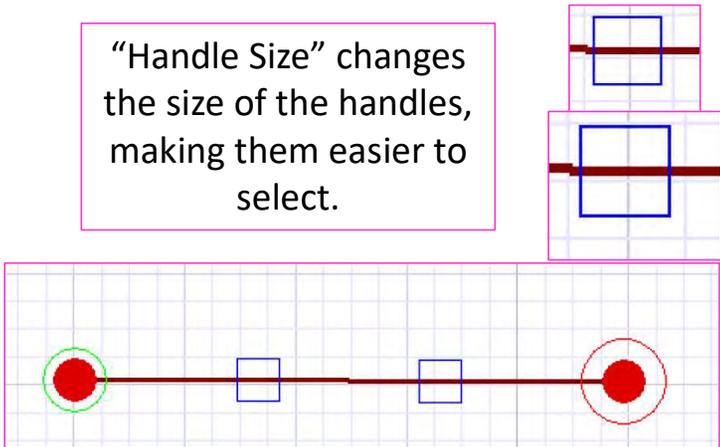
Options
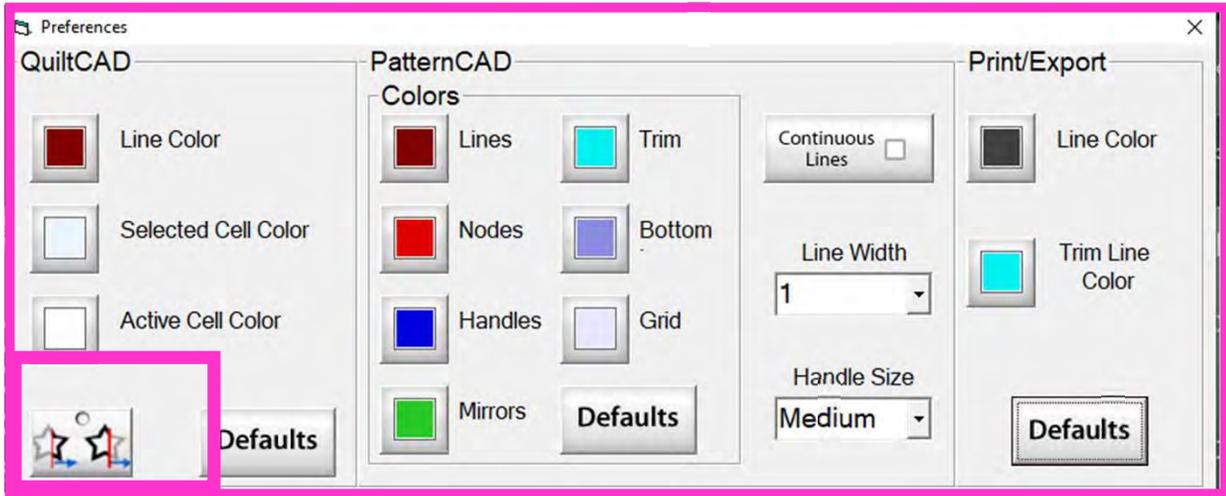
When enabled, "Wrapping Tool" splits the design on one edge of the quilt and places the remaining portion of the design on the other edge of the quilt.

Duck head

Duck tail

Options

Preferences

QuiltCAD
- Line Color
- Selected Cell Color
- Active Cell Color
- Defaults

PatternCAD Colors
- Lines
- Trim
- Nodes
- Bottom
- Handles
- Grid
- Mirrors
- Defaults

Continuous Lines

Line Width
1

Handle Size
Large

Print/Export
- Line Color
- Trim Line Color
- Defaults

Quilting Interface
- ✓ Show Grid
- Remove clipped fragments.
- Close Trims: 0
- Sew Thru Safe Area Clipping

PantoStacker
- ✓ Show Grid

Quick Exit

Cancel

If you select "Show Grid" your placement screens when you are in "PatntoStaker" or "Select & Sew" will open with the grid.

Pantograph Power Panto

Options

Preferences

QuiltCAD
- Line Color
- Selected Cell Color
- Active Cell Color
- Defaults

PatternCAD Colors
- Lines
- Nodes
- Handles
- Mirrors
- Trim
- Bottom
- Grid
- Defaults

- Continuous Lines ✓
- Line Width: 1
- Handle Size: Large
- Defaults

Print/Export
- Line Color
- Trim Line Color
- Defaults

Quilting Interface
- ☐ Show Grid
- ☐ Remove clipped fragments.
- ☑ Show Zone Marking Hints
- ☐ Close Trims: 0
- ☐ Sew Thru Safe Area Clipping
- ☐ Mark Next Zone Tool Enabled

PantoStacker
- ☐ Show Grid

Quick Exit

Cancel   OK

Zone - Center

Move the machine to the Quilt Top center if placing Zone 1, otherwise, move to the zone marker. Then, tap the placement button

Zone

1

Zone - Top Left

Position the zone using marks from a previously placed zone on the left.

Zone

1

"Show Zone Marking Hints" will prompt you where to mark your quilt for the next zone/section.

Options

Move the Fabric

Move the Fabric

Move the fabric so that marker

2A

is beneath the sewing machine needle.

This does not have to be precise, but try to get it as close as possible.

OK

Have You Moved the Fabric?

Have you moved the fabric?

Touch 'OK' after the fabric marker

2A

has been positioned under the needle.

OK

Would you like to be guided in moving the fabric?

Yes | No | Do Not Show Again

Move Fabric Instructions

The machine will now move to where the fabric marker for the next zone should be positioned.

OK | Cancel | Do Not Show Again

Show Zone Marking Hints

Mark Next Zone Tool Enabled

Show Grid

Remove clipped fragments.

Sew Thru Safe Area Clipping

Cancel | OK

More "Show Zone Marking Hints" to help guide you through the quilting process.

Options

Zone Finished

The sewing of the ZONE is finished. You may advance to the next zone, if you are ready.

Zone
1

Finished Zone!
Proceed To Next Zone

Move the Fabric

Move the fabric so that marker

2A

is beneath the sewing machine needle.

This does not have to be precise, but try to get it as close as possible.

OK

Move Fabric Instructions

The machine will now move to where the fabric marker for the next zone should be positioned.

OK   Cancel   Do Not Show Again

Defaults

Close Trims
0

Sew Thru Safe Area Clipping

✓ Mark Next Zone Tool Enabled

Would you like to be guided in moving the fabric?

Yes   No   Do Not Show Again

"Mark Next Zone Tool Enabled" helps you mark your quilt top placements before you roll or shift the quilt to the next zone/section on your quilt to resume quilting.

Options

Preferences

QuiltCAD
- Line Color
- Selected Cell Color
- Active Cell Color
- Defaults

PatternCAD
Colors
- Lines
- Nodes
- Handles
- Mirrors
- Trim
- Bottom
- Grid
- Defaults

Continuous Lines

Line Width
3

Handle Size
Large

Print/Export
- Line Color
- Trim Line Color
- Defaults

Quilting Interface
- Show Grid
- Remove clipped fragments.
- Show Zone
- Close Trims   0
- Sew Thru Safe Area Clipping
- Mark Next Zone

PantoStacker
- Show Grid

Quick Exit

"Remove Clipped Fragments" unchecked will sew to the edge of the small fragment section and stop, asking for permission to move to the next section of the design. Your machine will stop at every section before it will sew the next portion of the design.

1. Original Panto

3. Sew Thru Off
Remove Clipped Off
stops
stops
stops
stops
stops

5. Sew Thru On
Remove Clipped Off
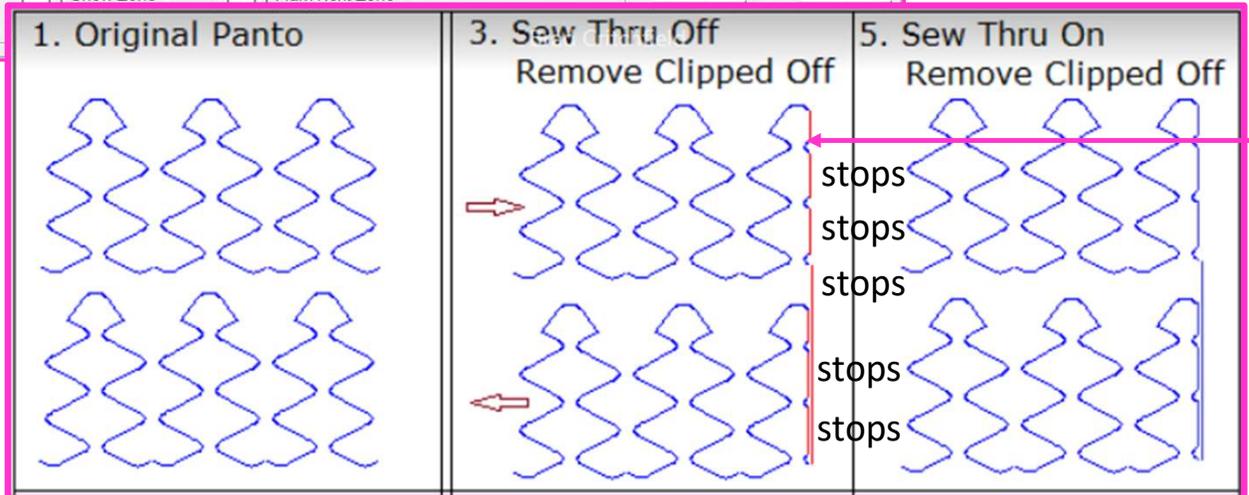
Sews small fragment section and stops.

Options

Preferences

QuiltCAD
- Line Color
- Selected Cell Color
- Active Cell Color
- Defaults

PatternCAD
Colors
- Lines
- Nodes
- Handles
- Mirrors
- Trim
- Bottom
- Grid
- Defaults

- Continuous Lines
- Line Width: 3
- Handle Size: Large

Print/Export
- Line Color
- Trim Line Color
- Defaults

Quilting Interface
- ☐ Show Grid
- ☑ Remove clipped fragments.
- ☐ Show Zone
- ☐ Close Trims: 0
- ☐ Sew Thru Safe Area Clipping
- ☐ Mark Next Zone

PantoStacker
- ☐ Show Grid

Quick Exit

When "Remove Clipped Fragments" is checked, sews the machine sews an edge for the design fragment leading to the next. This allows continuous sewing with NO STOPS.

1. Original Panto

3. Sew Thru Off
Remove Clipped Off

5. Sew Thru On
Remove Clipped Off
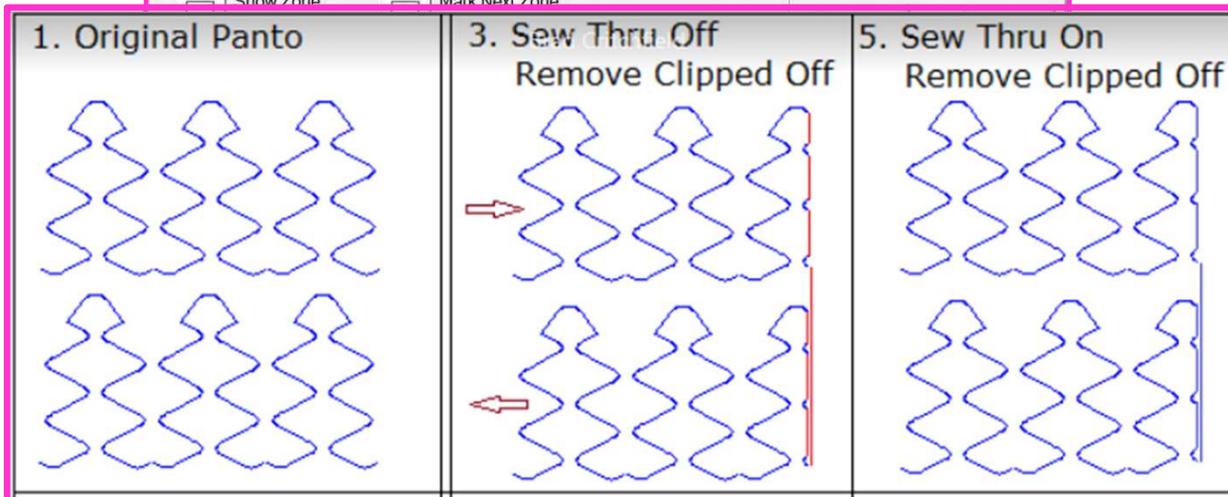
Sewed fragment to the next without stopping

48

Options

Preferences

QuiltCAD
- Line Color
- Selected Cell Color
- Active Cell Color
- Defaults

PatternCAD
Colors
- Lines
- Nodes
- Handles
- Mirrors
- Trim
- Bottom
- Grid
- Defaults

Continuous Lines

Line Width
3

Handle Size
Large

Print/Export
- Line Color
- Trim Line Color
- Defaults

Quilting Interface
- Show Grid
- Remove clipped fragments.
- Show Zone Marking Hints
- Close Trims: 0
- Sew Thru Safe Area Clipping
- Mark Next Zone Tool Enabled

PantoStacker
Show Grid

Quick Exit

"Sew Thru Save Area Clipping" unchecked will stop quilting whenever there is a break in the design. The blue dots are breaks and when the machine will stop then it will prompt you to move to the next stitch.

49

Options

Preferences

QuiltCAD
- Line Color
- Selected Cell Color
- Active Cell Color
- Defaults

PatternCAD
Colors
- Lines
- Nodes
- Handles
- Mirrors
- Trim
- Bottom
- Grid
- Defaults

Continuous Lines

Line Width
3

Handle Size
Large

Print/Export
- Line Color
- Trim Line Color
- Defaults

Quilting Interface
- Show Grid
- Remove clipped fragments.
- Show Zone Marking Hints

Close Trims
0

- Sew Thru Safe Area Clipping
- Mark Next Zone Tool Enabled

Select And Sew Start-up
- ○ Select and Sew
- ● Power Place

PantoStack
- Show Grid

Cancel

"Close Trims" unchecked will stop quilting at the end of the design before moving to the next design. This will leave a gap between designs will not be continuous.

50

Options

Preferences

QuiltCAD
- Line Color
- Selected Cell Color
- Active Cell Color
- Defaults

PatternCAD
Colors
- Lines
- Nodes
- Handles
- Mirrors
- Trim
- Bottom
- Grid
- Defaults

- Continuous Lines
- Line Width: 3
- Handle Size: Medium

Print/Export
- Line Color
- Trim Line Color
- Defaults

Quilting Interface
- Show Grid
- Remove clipped fragments.
- Close Trims: 2
- Sew Thru Safe Area Clipping

PantoStacker
- Show Grid

Quick Ex

OK

"Close Trims" checked will add stitches to the design to connect to the next design making it a continuous design across the quilt.
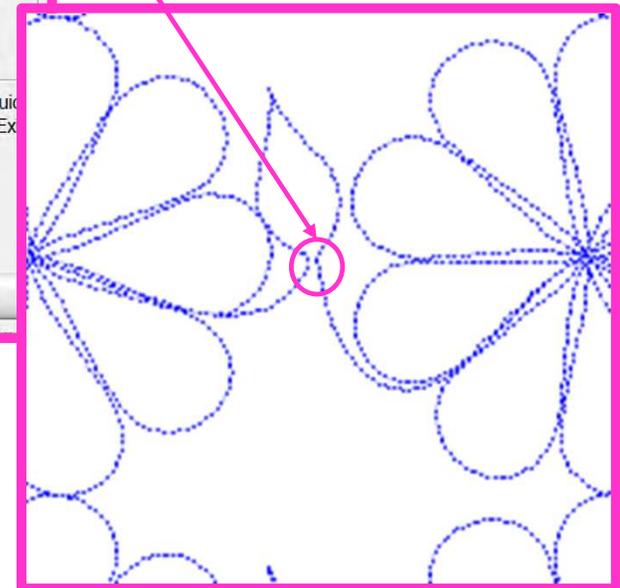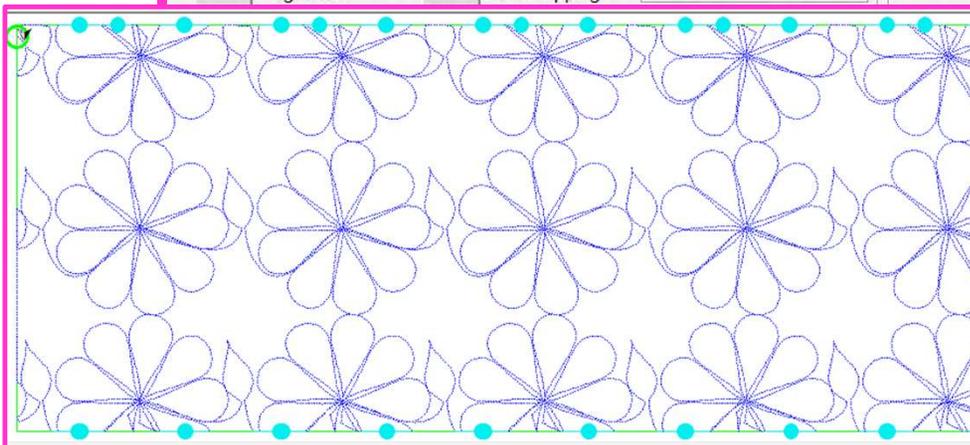
Options
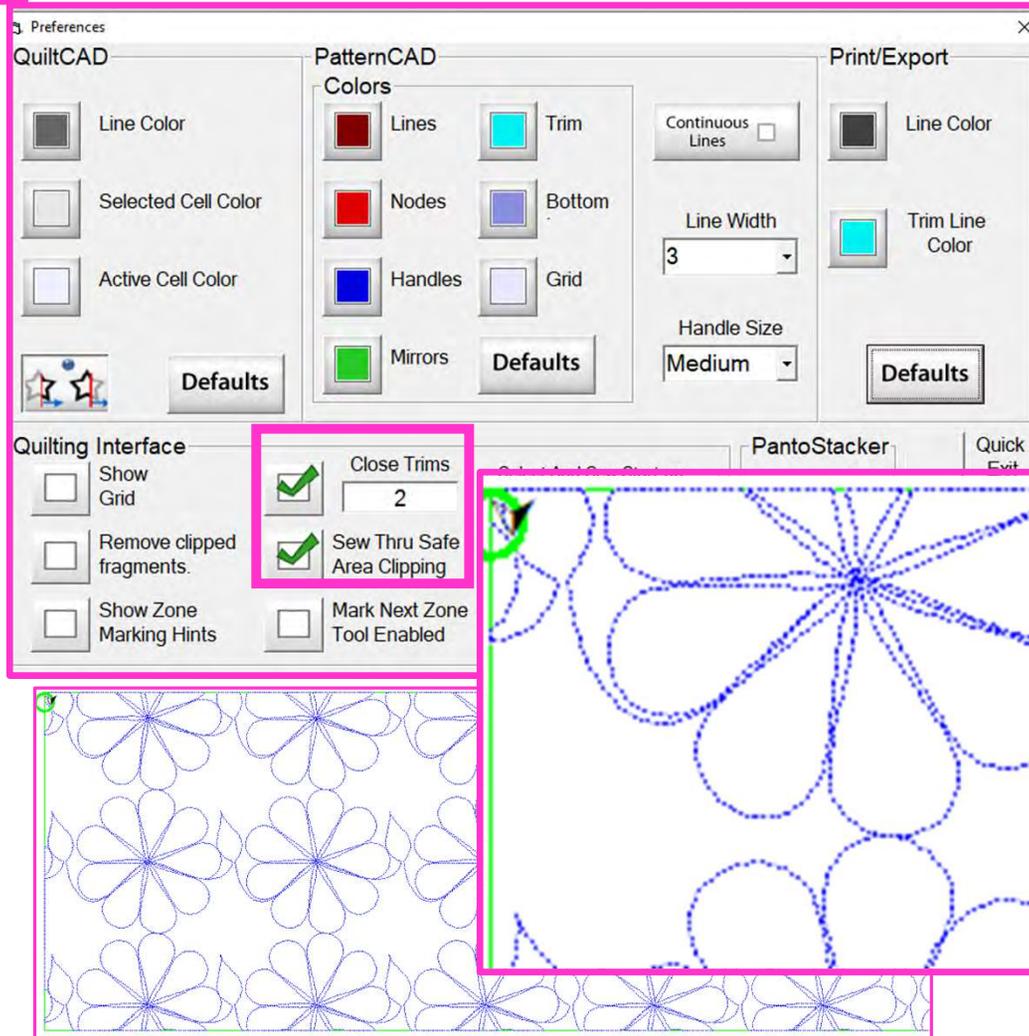
"Close Trims" & "Sew Thru Safe Area Clipping"

When both are checked, and your trims are at "2," you will have no break --a pantograph design that will sew edge-to-edge without stopping!

PantoStacker TM

1	2	3	4	5	6	7	8	9	10	11	12	13	14

13. RESUME ZONE SEWING SESSION - Opens your saved pantograph to resume quilting.

PantoStacker TM

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

You can save your pantograph design and reopen to begin quilting from where you left off. Let me take your through the process. When you are ready to quit for the day, Click on "Save."
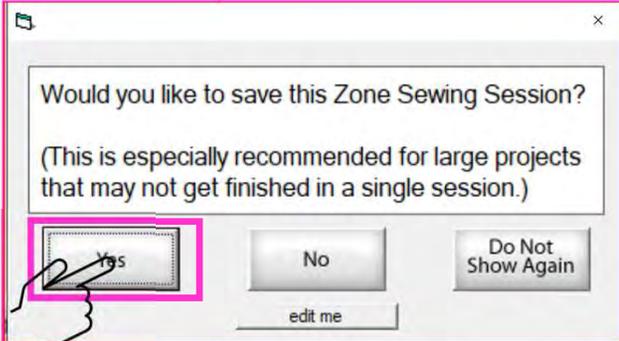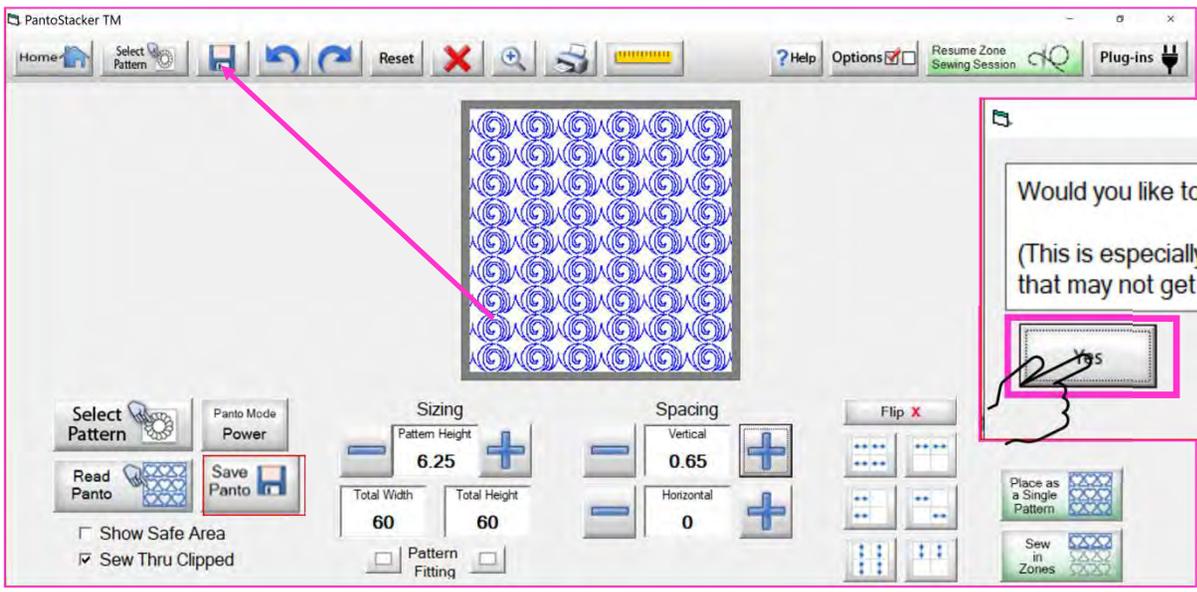
Would you like to save this Zone Sewing Session?

(This is especially recommended for large projects that may not get finished in a single session.)

Yes   No   Do Not Show Again

edit me

Click on "YES"

PantoStacker TM

| Home | Select Pattern | | | | Reset | X | + | | | | | Help | Options | Resume Zone Sewing Session | Plug-ins |

1   2   3   4   5   6   7   8   9   10   11   12   13   14

Would you like t

(This is especial
that may not ge

Yes

Click on "YES"

Touch Keyboard

zone 1

~ `	! 1	@ 2	# 3	$ 4	% 5	^ 6	& 7	* 8	(9	) 0	- _	+ =	Bksp
Clear	Q	W	E	R	T	Y	U	I	O	P	[{	] }	\	
Lock	A	S	D	F	G	H	J	K	L	; :	' "	Enter	
Shift	Z	X	C	V	B	N	M	< ,	> .	? /	Space		

Paste

Auto-saved Zone Projects

Multi | All/None | Copy | Paste | Cut | Delete | File Name ->

Type in name and Click on "Enter"

Read Power Panto

New Drive | C: | Powered By QuiltCAD Beta 5.23 | Patterns | PowerPanto

1-1

test file 3.pow   zone 1.pow

Delete | File Name -> | Cancel | Open

File Types |

Your saved design

55

Pantograph continued. . .

Home	Select Pattern	💾	↩	↪	Reset	✖	🔍	🖨	📏		? Help	Options ☑☐	Resume Zone Sewing Session	Plug-ins
1	2	3	4	5	6	7	8	9	10		11	12	13	14

Plug-ins 🔌

14. PLUG-INS - Access Batch Import and Export to import and export quilting designs.

Click on "Plug-Ins" to import or export a saved design

Plug-Ins Batch Import

What quilter doesn't like to shop? We like to shop for fabrics, quilt patterns, quilting accessories (rulers etc.,) and now we can shop for digital quilting designs. These are purchased designs we can use to enhance your beautiful top into a spectacular one-of-a-kind QUILT.

Plug-Ins Batch Import continued. . .

Websites for Digitized Patterns

Intelligent Quilting	www.intelligentquilting.com
Anne Bright Designs	www.annebright.com
Wasatch Quilting	www.digitizedquiltingpatterns.com
Urban Elementz	www.urbanelementz.com
My Creative Stitches	www.mycreativestitches.com
Karlee Porter	www.karleeporter.com
Quilts Complete	www.quiltscomplete.com
Legacy Quilting	www.legacyquilting.com
The Quilter's Quilter	www.thequiltersquilter.com.au/store/index.html
Munnich Design's LLC, Quilt Recipes	www.quiltrecipes.com
Designs By Vickie	www.designsbyvickie.com
House of Creations, Sharon Perry	www.houseofcreations.biz
Quilter's Niche	www.quiltersniche.com
Willow Leaf	www.willowleafstudio.com

Supported File Formats:

CMD CQP CSV DXF HQF QDATA QLI SSD TAP TXT XY...QLI or CQP suggested purchase format.

Plug-Ins Batch Import continued. . .

Once purchased, you can download the design(s) directly from the website onto your computer. Example:

When you Click on the "Design Name Here" under the download, that design is now in the downloads folder on your computer.

Plug-Ins Batch Import continued. . .

Another way to download your purchased design(s) is through your email. A receipt is emailed to you and contains download links for the designs.

Click on name of your design (KP Bethlehem Wedding Ring) to save the file to the Downloads folder on your computer.

Plug-Ins Batch Import continued. . .
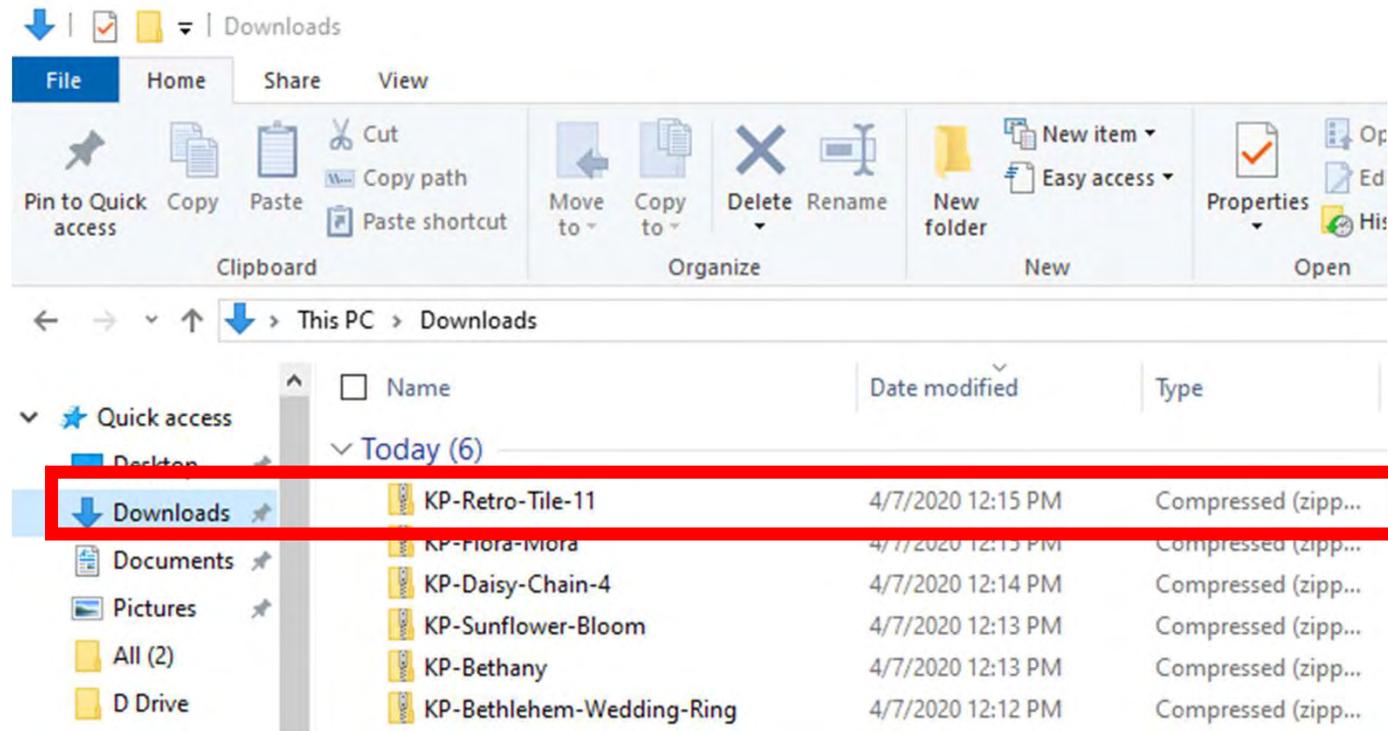
Locate the design you want to use in your Downloads Folder. Notice that under "Type" it is a compressed file. This means there are several different file formats (CMD, CQP, CSV, DXF, HQF, QDATA, QLI, SSD, TAP, TXT, XY) of the design included in you purchase. Some websites will have you pick your favored file format before you purchase. Others, like this site, provide the design in several different formats.

Plug-Ins Batch Import continued. . .
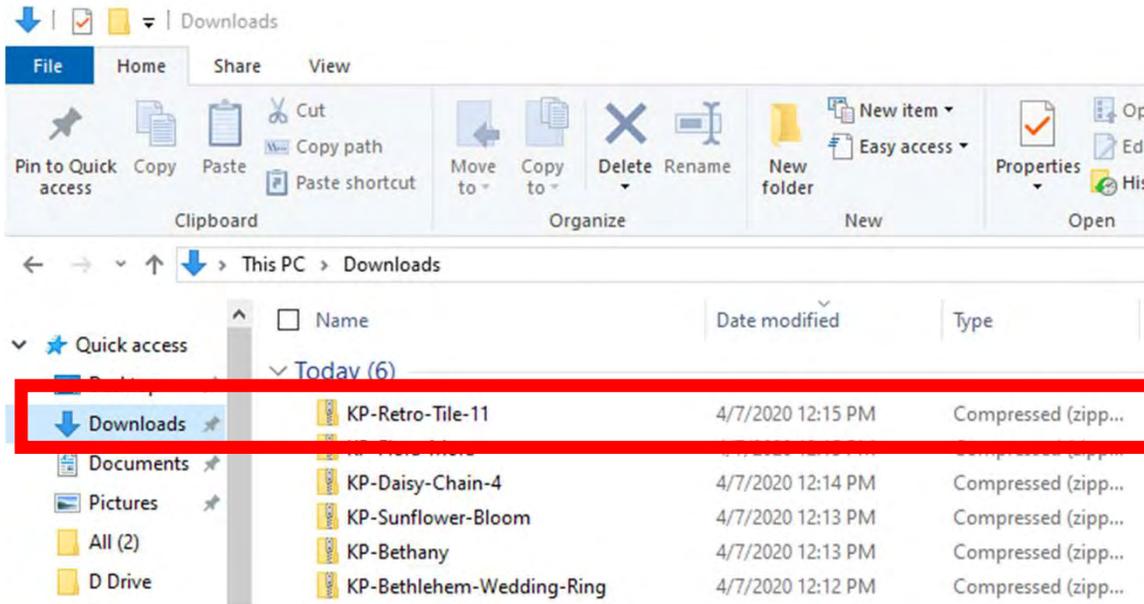
"right-click" on design file, then Click on "Extract All"

Plug-Ins Batch Import continued. . .

Open
Open in new window

Extract All...

Scan
Shred

Pin to Start
Scan with Windows Defender...
Share
Open with...

Give access to   >
Restore previous versions

Send to   >

Cut
Copy

Create shortcut
Delete
Rename

Properties

Click on "Extract All"

A popup will show you where your design will be extracted to. For example: C:\Users\karla\Downloads\KP-Flora-Mora. Then Click on "Extract" at the bottom of the popup.

Extract Compressed (Zipped) Folders

Select a Destination and Extract Files

Files will be extracted to this folder

C:\Users\karla\Downloads\KP-Flora-Mora

Browse...

☑ Show extracted files when complete

If you want to change the location, Click on "Browse" and find the place you want to extract your design(s) to.

Repeat this same process until all your purchased designs are extracted.

Extract   Cancel

Plug-Ins Batch Import continued. . .
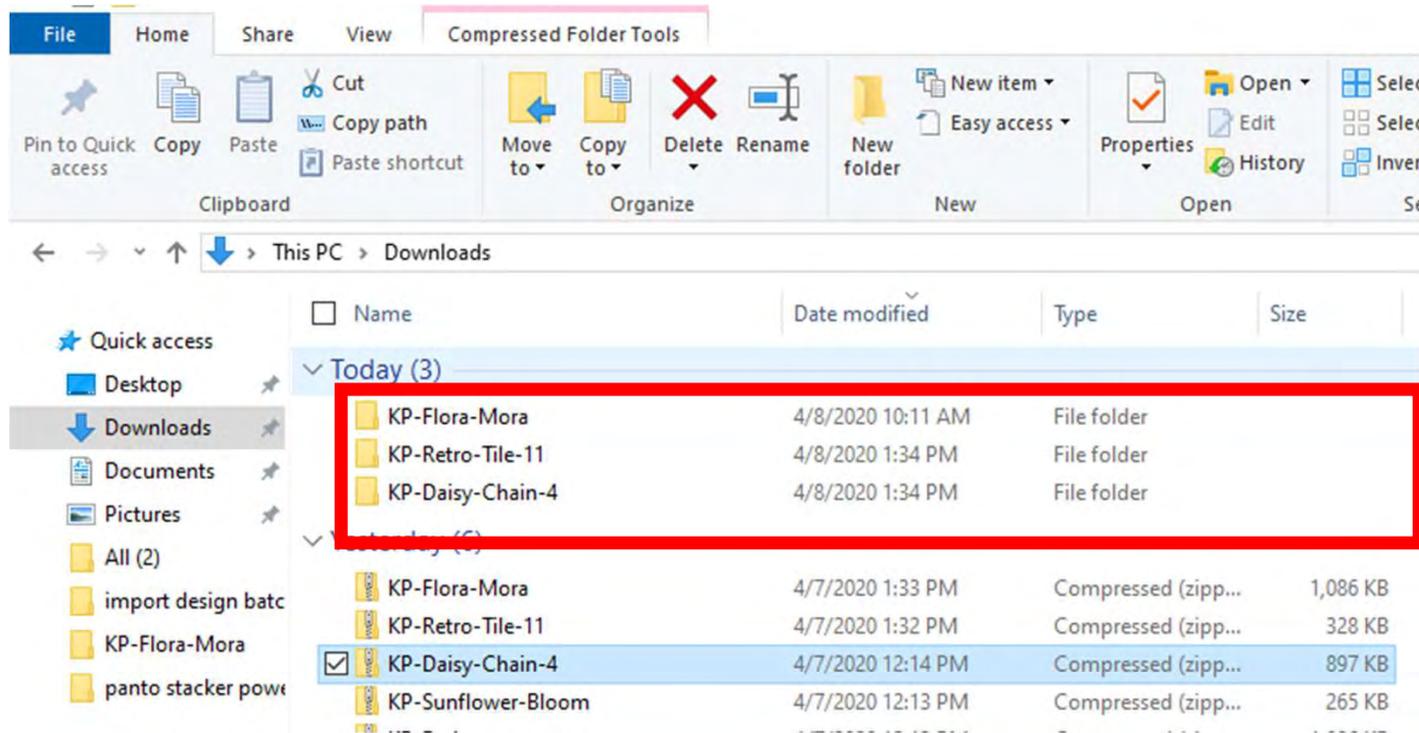
Since our files are no longer compressed, we are ready to save our design to our USB thumb drive in the desired format.

Before we save to our USB thumb drive, let's make a file folder so we can find them easily.

Plug-Ins Batch Import continued. . .

Plug USB Flash Drive into computer.

Before we copy our design(s) to our flash drive to import onto our tablet into QCT 5, we need to make a file folder and name it.

You can decide how you want to file (arrange) your designs, such as by designer or design type, style etc. Whatever method you choose, stick with it. This is a very important; if you stick with your design filing system you won't double purchase designs or have a hard time finding one. This will also keep your designs separate so you know which folder it is in to import.

1. Find and select the new drive that appears, when you plug your flash drive in. It could be called USB Drive, or another name but it will have a letter after it. Mine is the USB Drive (D:) in this example.

- ⌄ ⭐ Quick access
  - 🖥️ Desktop 📌
  - ⬇️ Downloads 📌
  - 📄 Documents 📌
  - 🖼️ Pictures 📌
  - 📁 All (2)
  - 📁 import design batc
  - 📁 KP-Flora-Mora
  - 📁 panto stacker powe
- ⌄ ☁️ OneDrive
- ⌄ 🖥️ This PC
  - 📁 3D Objects
  - 🖥️ Desktop
  - 📄 Documents
  - ⬇️ Downloads
  - 🎵 Music
  - 🖼️ Pictures
  - 📹 Videos
  - 💾 Windows-SSD (C:)
  - 💾 USB Drive (D:)
  - 💾 Main Info (N:)
  - 💾 Workspace (T:)
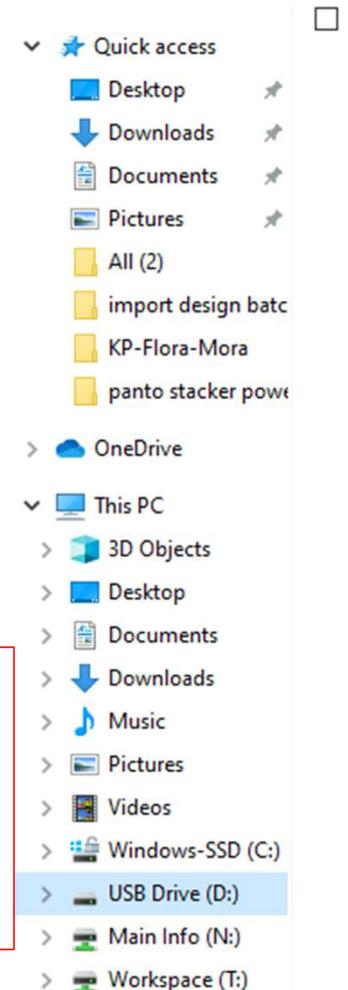
Plug-Ins Batch Import continued. . .
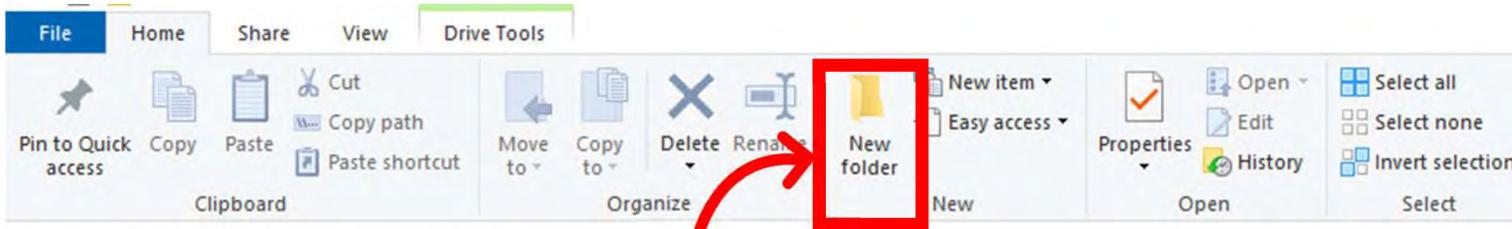
2. Inside the USB Drive, Click on "New Folder." A new folder titled "New Folder" will appear.
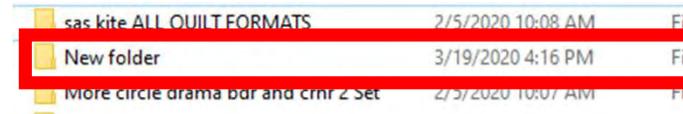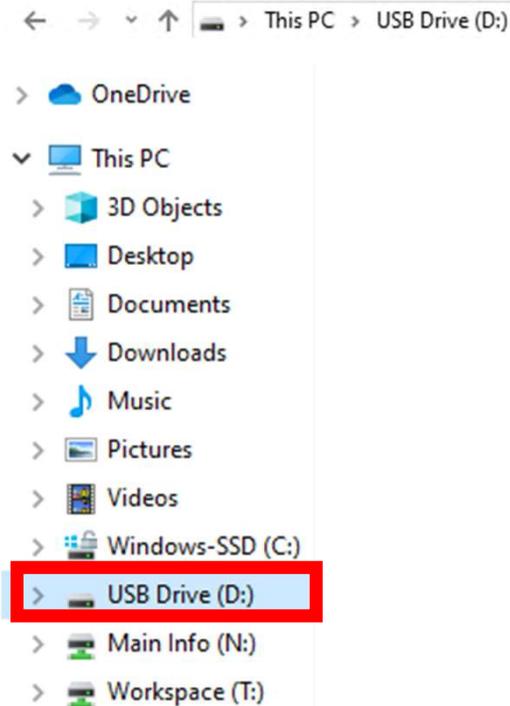
3. "Right-click" on the new file folder and a popup screen will appear. Click on "Rename."
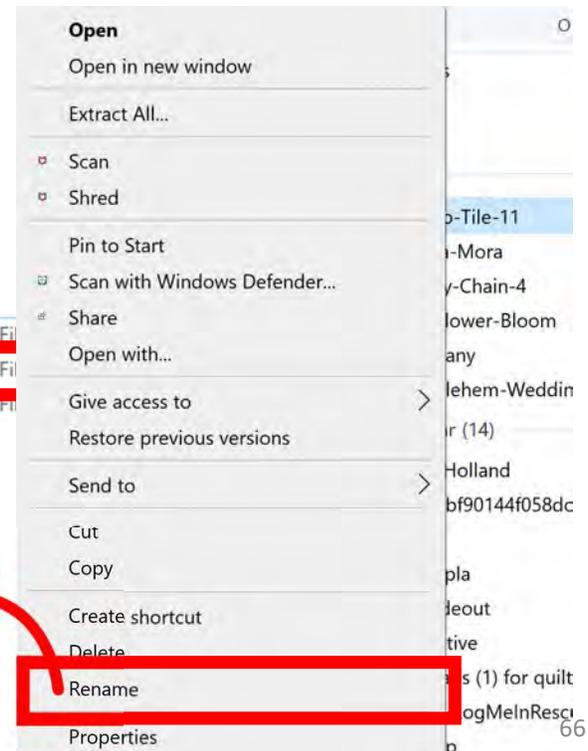
Plug-Ins Batch Import continued. . .

4. Rename the folder.

We are now ready to save our designs to our USB flash drive.
Open the folder where you first saved your extracted design.

Plug-Ins Batch Import continued. . .

Checking this box will open the folder and show all the extracted files.

The "Type" column lists the different file formats your design is saved in. Importing all the formats onto your tablet is unnecessary and takes up space. Decide which format you prefer and select that format. "QLI" or "CQP" are the formats I prefer.

Plug-Ins Batch Import continued. . .

"clicking" on that design format you are selecting it notice the Checkmark to the right

Plug-Ins Batch Import continued. . .

Now that you have selected the file format, "right-click" on design file format.

Choose "COPY." We want to copy not remove incase something happens to your tablet so that you have a back up.

Plug-Ins Batch Import continued. . .

	import design batch	4/7/2020 1:29 PM	File folder
	ice dreams tri 2 p2p ALL QUILT FORM...	2/5/2020 10:06 AM	File folder
	ds tall feather tri p2p qpf	2/5/2020 10:06 AM	File folder
☑	april 4 2020 kite quilt design	4/8/2020 12:35 PM	File folder
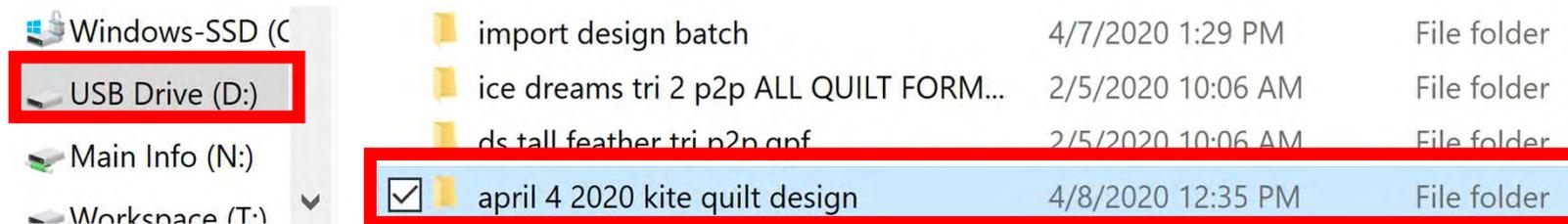
Return to your USB Drive and Click on the folder you named in this example mine is, "April 4 2020 kite quilt design."

Plug-Ins Batch Import continued. . .
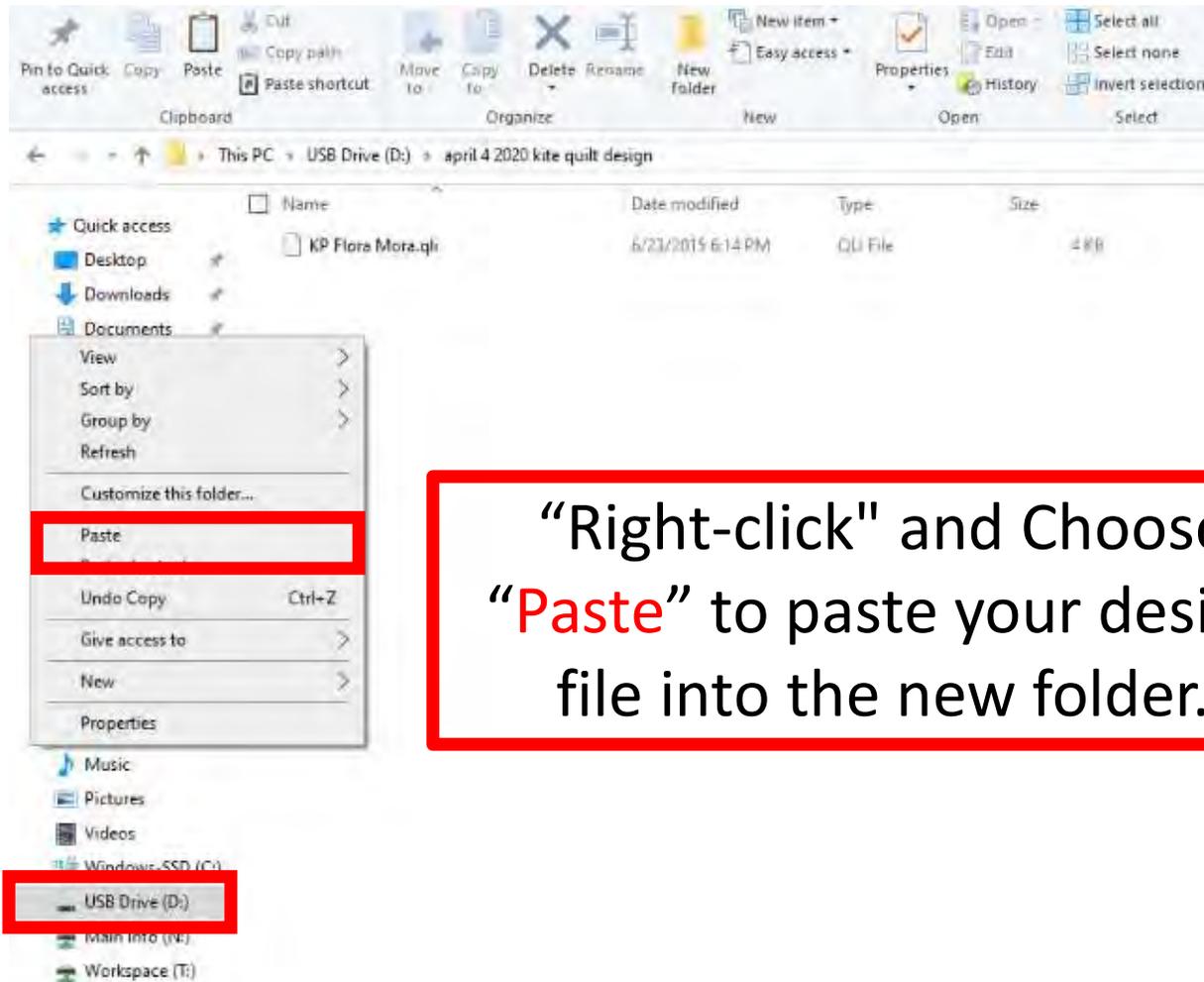
"Right-click" and Choose "Paste" to paste your design file into the new folder.

Plug-Ins Batch Import continued. . .

Name	Date modified	Type	Size
KP Bethany.qli	3/6/2019 7:11 AM	QLI File	116 KB
KP Bethlehem Wedding Ring.qli	10/28/2019 9:37 AM	QLI File	9 KB
KP Daisy Chain 4.qli	3/19/2019 10:12 AM	QLI File	40 KB
KP Flora Mora.qli	6/23/2015 6:14 PM	QLI File	4 KB
KP Retro Tile 11.iqp	3/12/2015 8:55 AM	IQP File	18 KB
KP Retro Tile 11.qli	3/12/2015 8:55 AM	QLI File	23 KB
KP Sunflower Bloom.qli	6/23/2015 2:08 PM	QLI File	13 KB
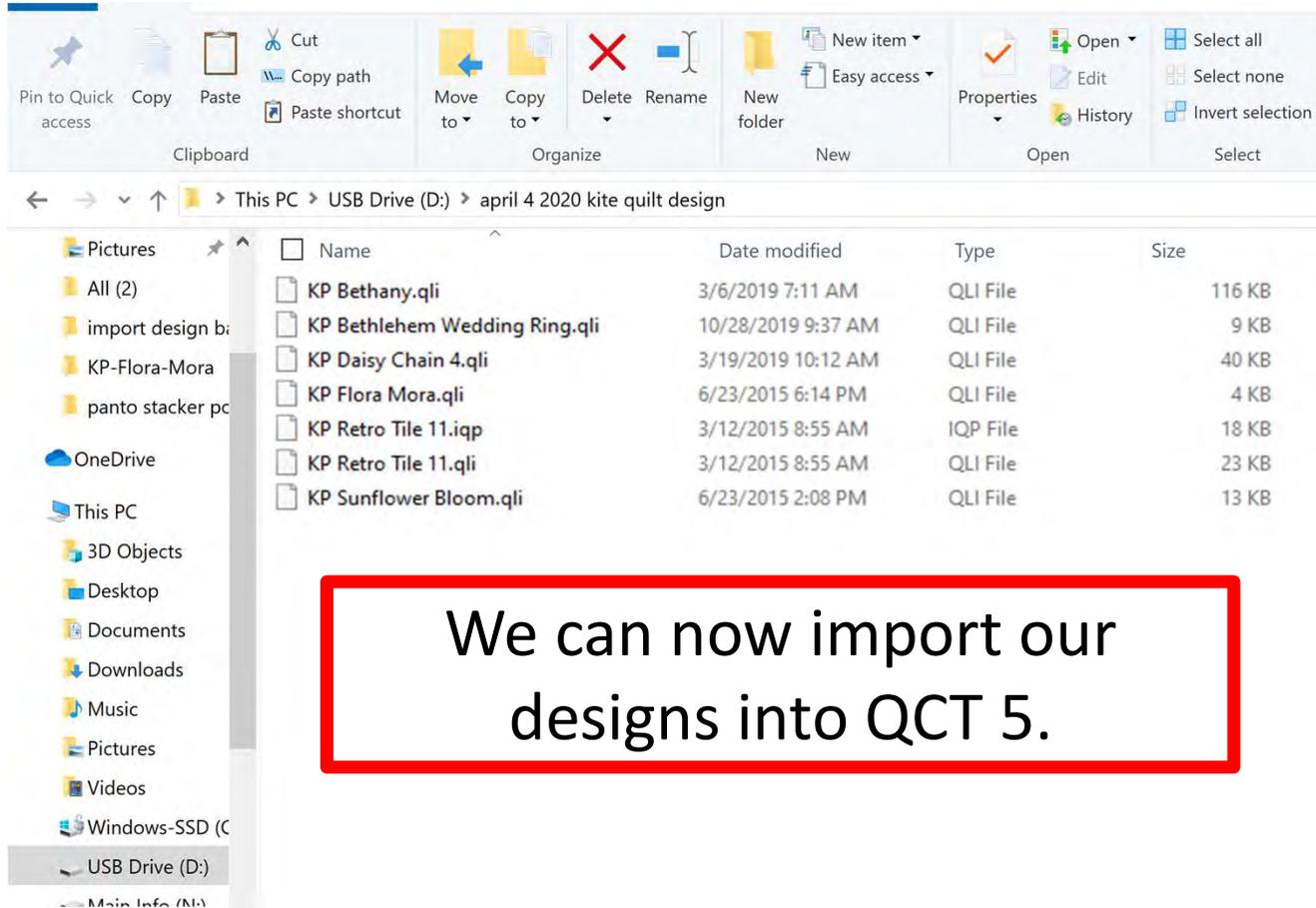
We can now import our designs into QCT 5.

Plug-Ins Batch Import continued. . .

USB Flash Drive

With your designs downloaded onto your USB flash drive, take the flash drive and put it into your tablet USB port.

Newer tablets may require an USB-C to USB Adapter. If your tablet does not have a USB port, it will require this adapter.

Plug-Ins Batch Import continued. . .

USB Flash Drive

Turn on your tablet and open QCT 5 in "Simulation Mode."

Several places within QCT 5 can be used to import files:

"Select & Sew"
"Pantograph"
"PatternCAD"
"QuiltCAD"

We will choose "Pantograph."
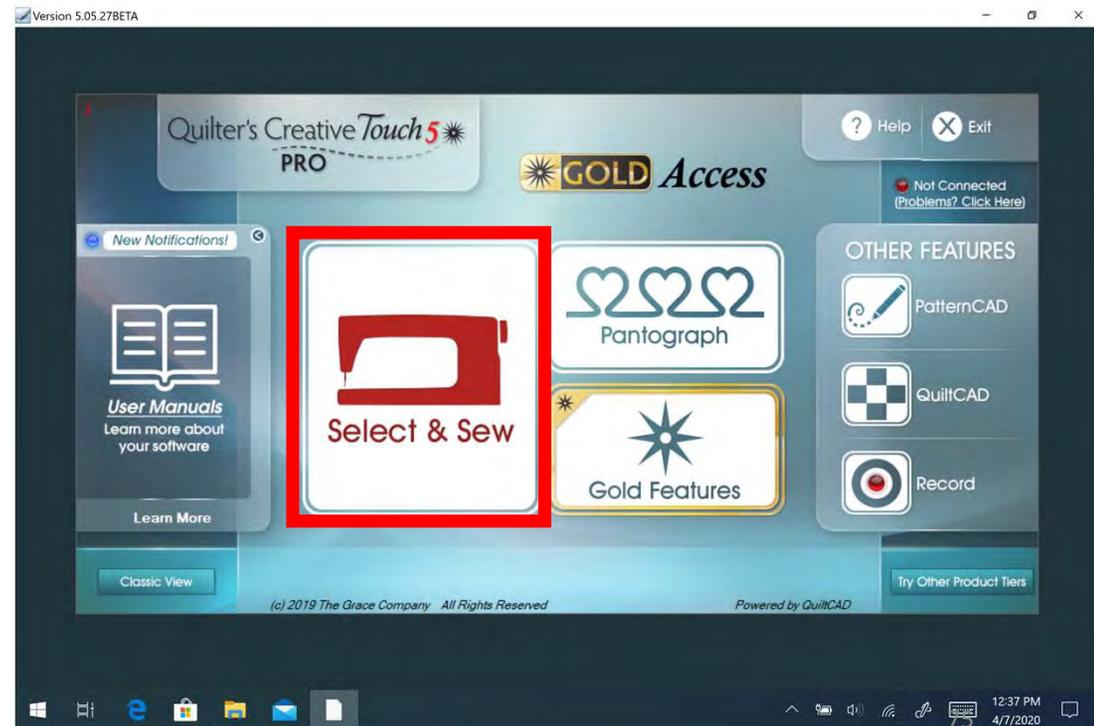
Plug Ins Batch Import continued. . .

"Pantograph"
"PantoStacker" screen,
Click on "Plug-Ins"
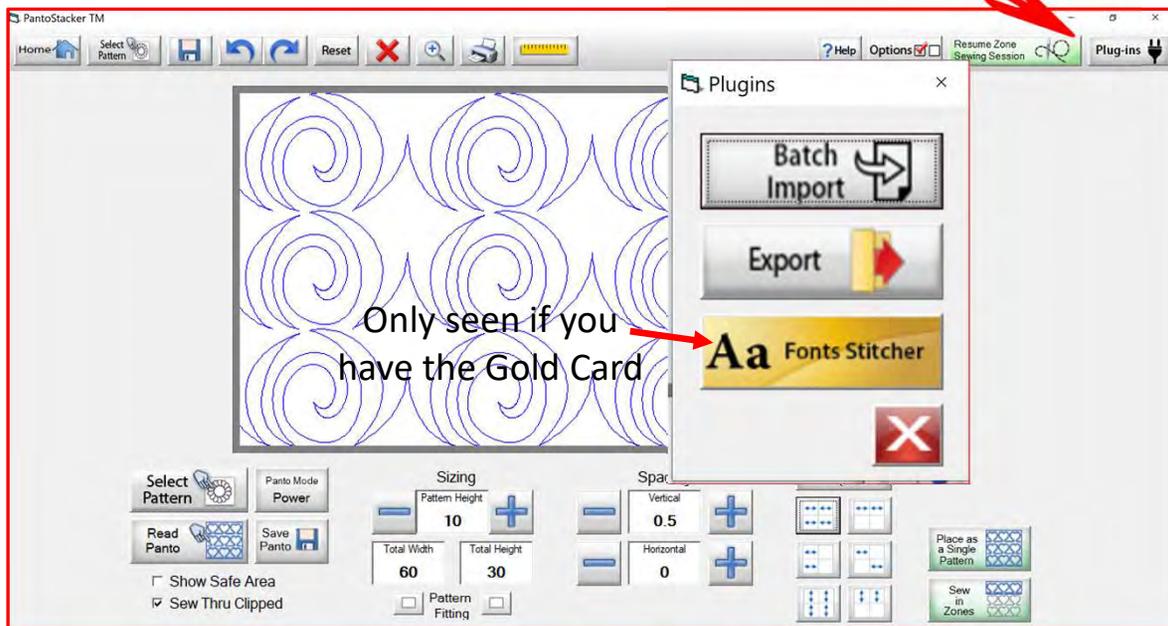
Only seen if you
have the Gold Card
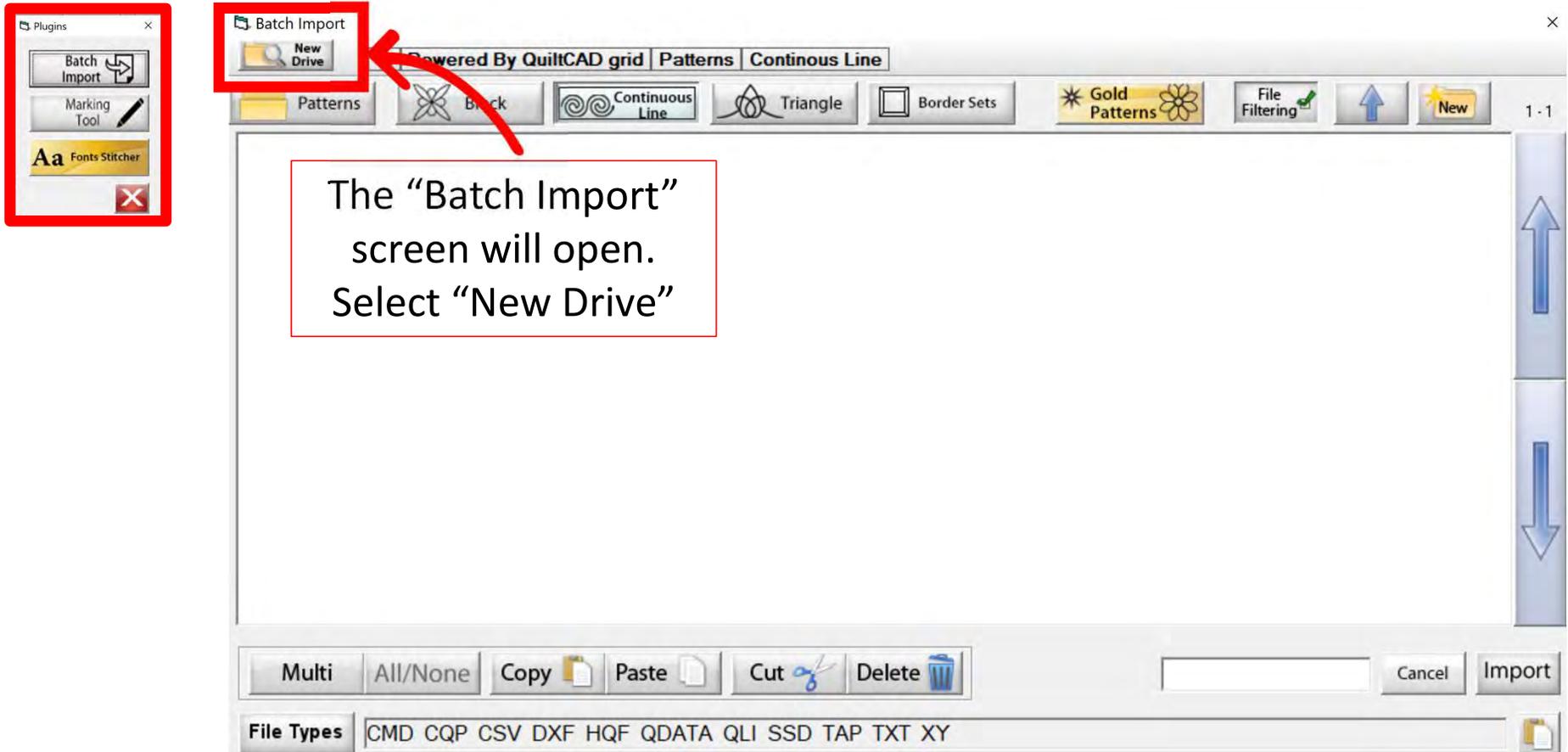
Click on "Batch Import."

Plug-Ins Batch Import continued. . .

The "Batch Import" screen will open.
Select "New Drive"

Plug-Ins Batch Import continued. . .

Click on D:()
Reminder: You might have a different letter for your usb drive.

Plug-Ins Batch Import continued. . .

Click on the file folder you copied your designs to.

Plug-Ins Batch Import continued. . .

Batch Import

New Drive | D: import design batch

Patterns | Block | Continuous Line | Triangle | Border Sets | Gold Patterns | File Filtering | 1 - 1

File	File	File	File	File	File
kp retro tile 11.ql i	kp flora mora.qli	kp daisy chain 4 .qli	kp sunflower blo om.qli	kp bethany.qli	kp bethlehem w edding ring.qli

All the designs you saved are here in your file folder.

Select "Multi" to import more than one design at a time.

Multi | All/None | Copy | Paste | Cut | Delete | | Cancel | Import

File Types | CMD CQP CSV DXF HQF QDATA QLI SSD TAP TXT XY

Plug-Ins Batch Import continued. . .

Batch Import

New Drive   D: import design batch

Patterns | Block | Continuous Line | Triangle | Border Sets | Gold Patterns | File Filtering | New | 1-1

File — kp retro tile 11.ql i
File — kp flora mora.qli
File — kp daisy chain 4 .qli
File — kp sunflower blo om.qli
File — kp bethany.qli
File — kp bethlehem w edding ring.qli

1. Click on each design you are importing. Selected designs will have a blue box around them.

2. Click on "Import."

Multi | All/None | Copy | Paste | Cut | Delete | Cancel | Import

File Types | CMD CQP CSV DXF HQF QDATA QLI SSD TAP TXT XY

Plug-Ins Batch Import continued. . .

Click on "Patterns" and see you have Designs are imported into a new folder called "Batch."
This is a holding folder until you move your designs to a permanent folder.

Open the "Batch" folder.
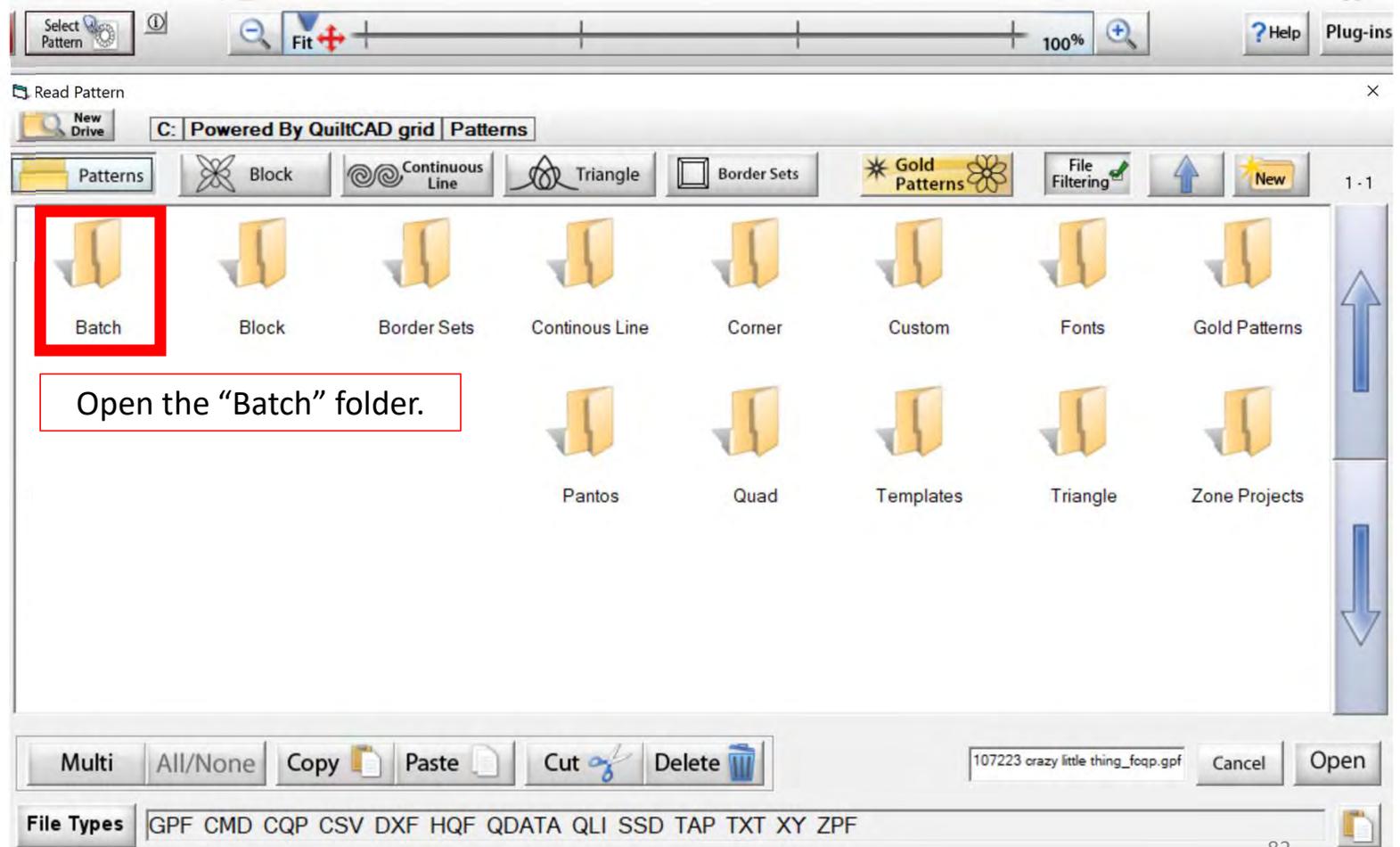
Plug-Ins Batch Import continued. . .
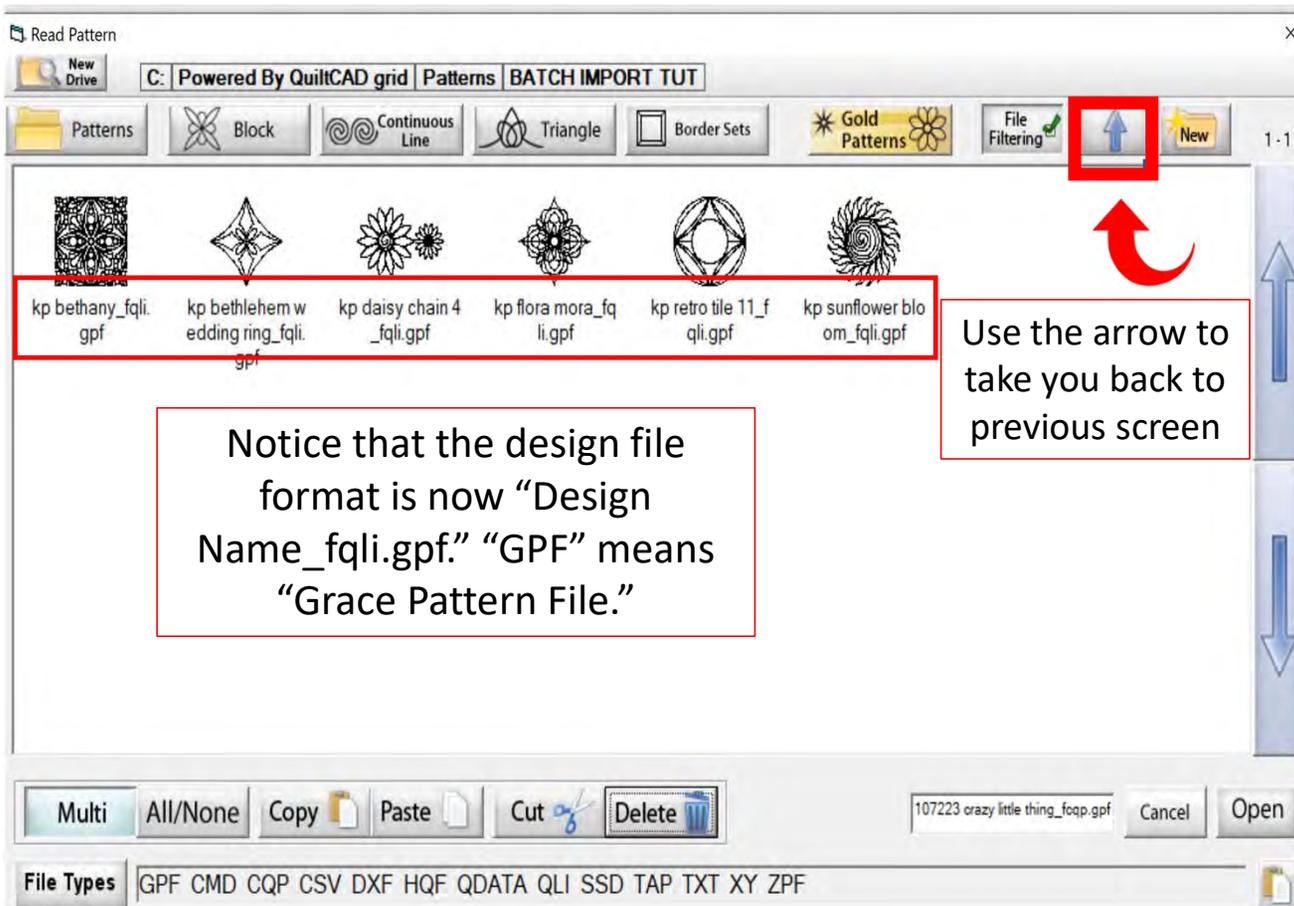
Your open "Batch" folder will show you your newly imported design(s). Let's move our design(s) to our new filing folder.

To create a new for your design(s), Click on the "Back Arrow" top right corner.

Use the arrow to take you back to previous screen

Notice that the design file format is now "Design Name_fqli.gpf." "GPF" means "Grace Pattern File."

Plug-Ins Batch Import continued. . .
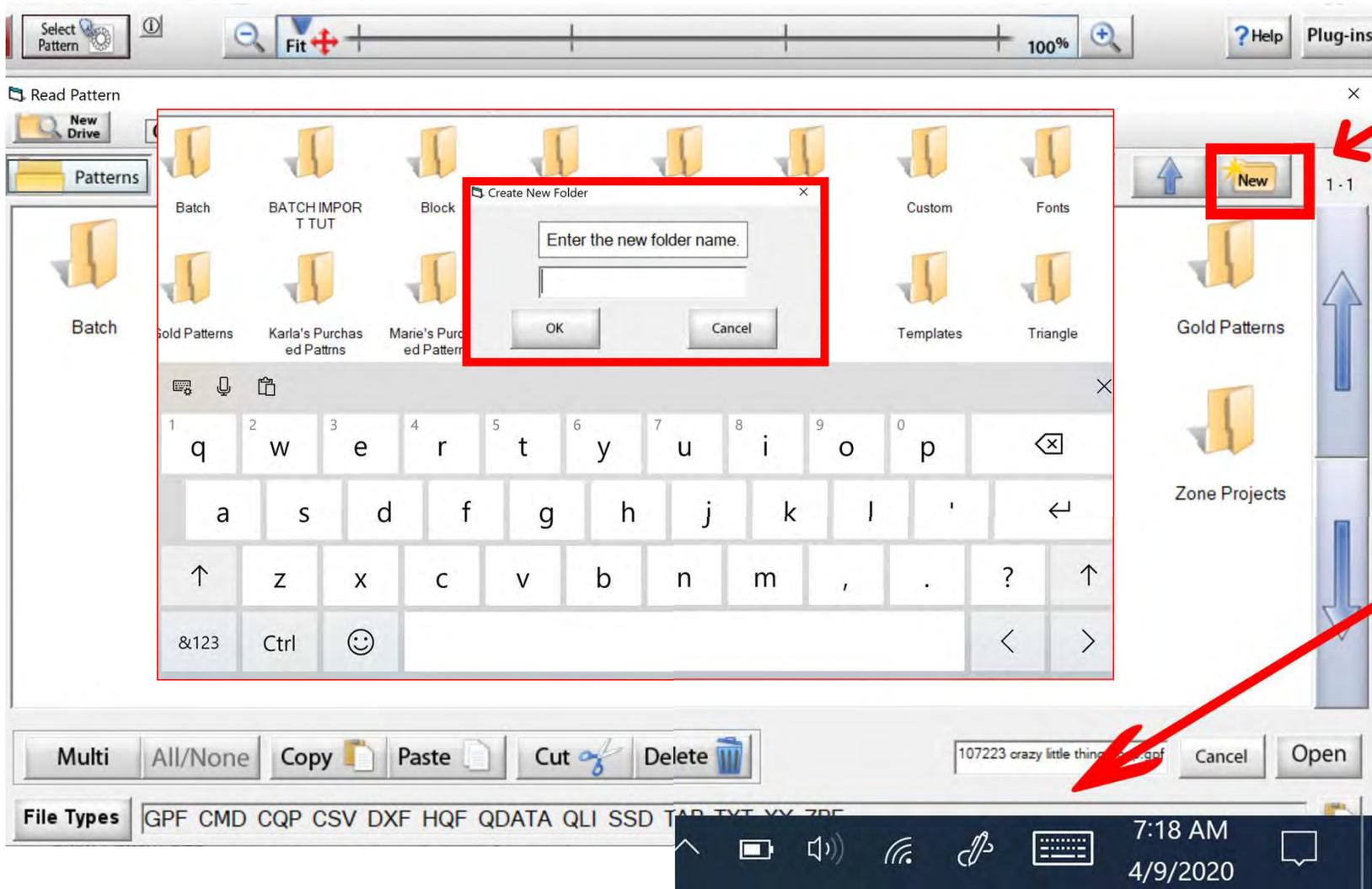
Back in the folders screen, Click on "New" folder icon. Find your keyboard at the lower left of tablet screen. Click it and your keyboard will appear. Type the name for the new folder.

Plug-Ins Batch Import continued. . .

When you have finished entering the "folder name," Click on "OK."
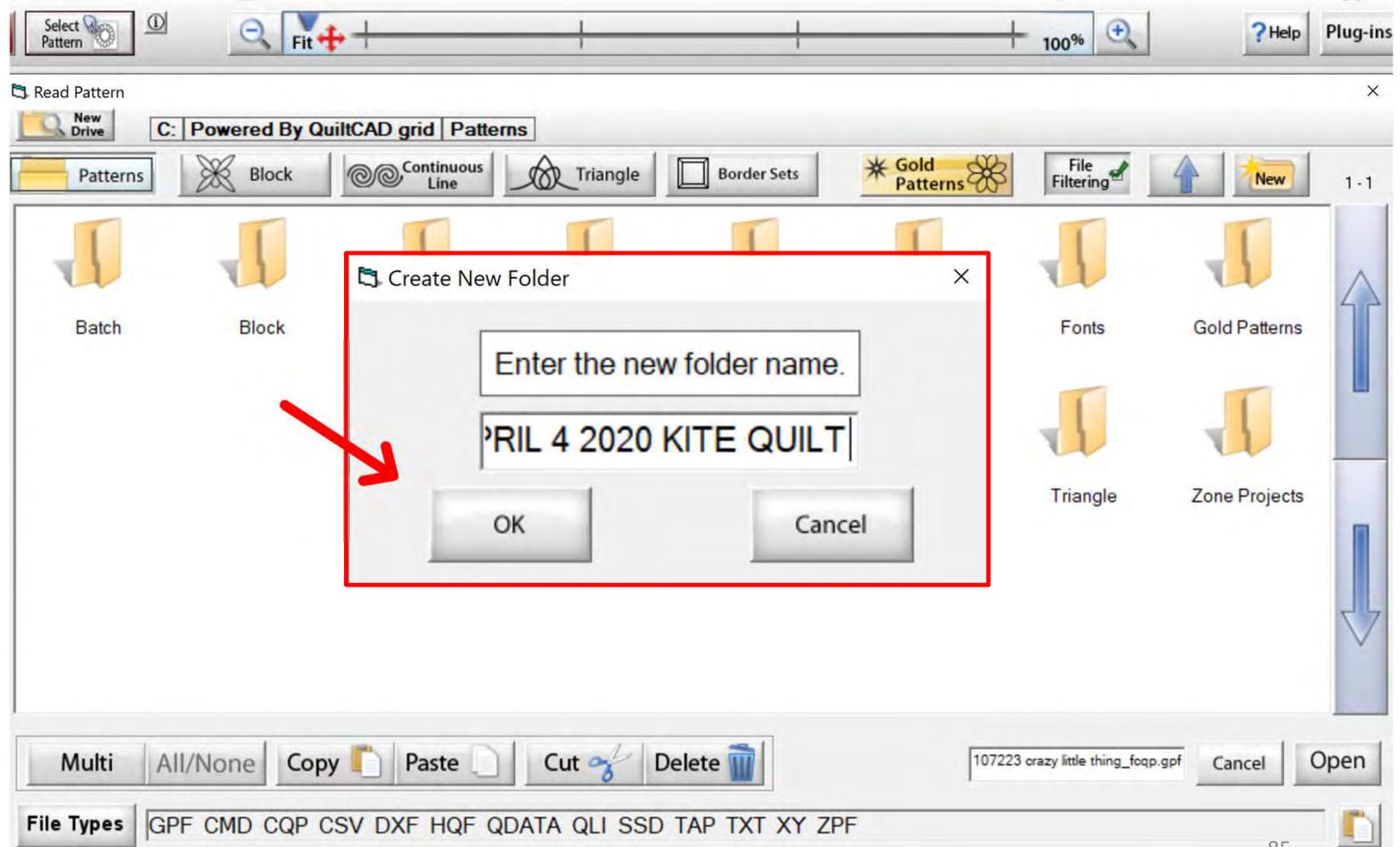
Plug-Ins Batch Import continued. . .

Your new file folder is now ready for your new design(s). Click on the back arrow (top right) to find your batch folder and design(s). We will cut them out of our "Batch" folder and paste them into our new file folder.

Plug-Ins Batch Import continued. . .

Click on "Multi" and "All/None." This allows you to select all the designs so we can cut and paste them all at the same time.
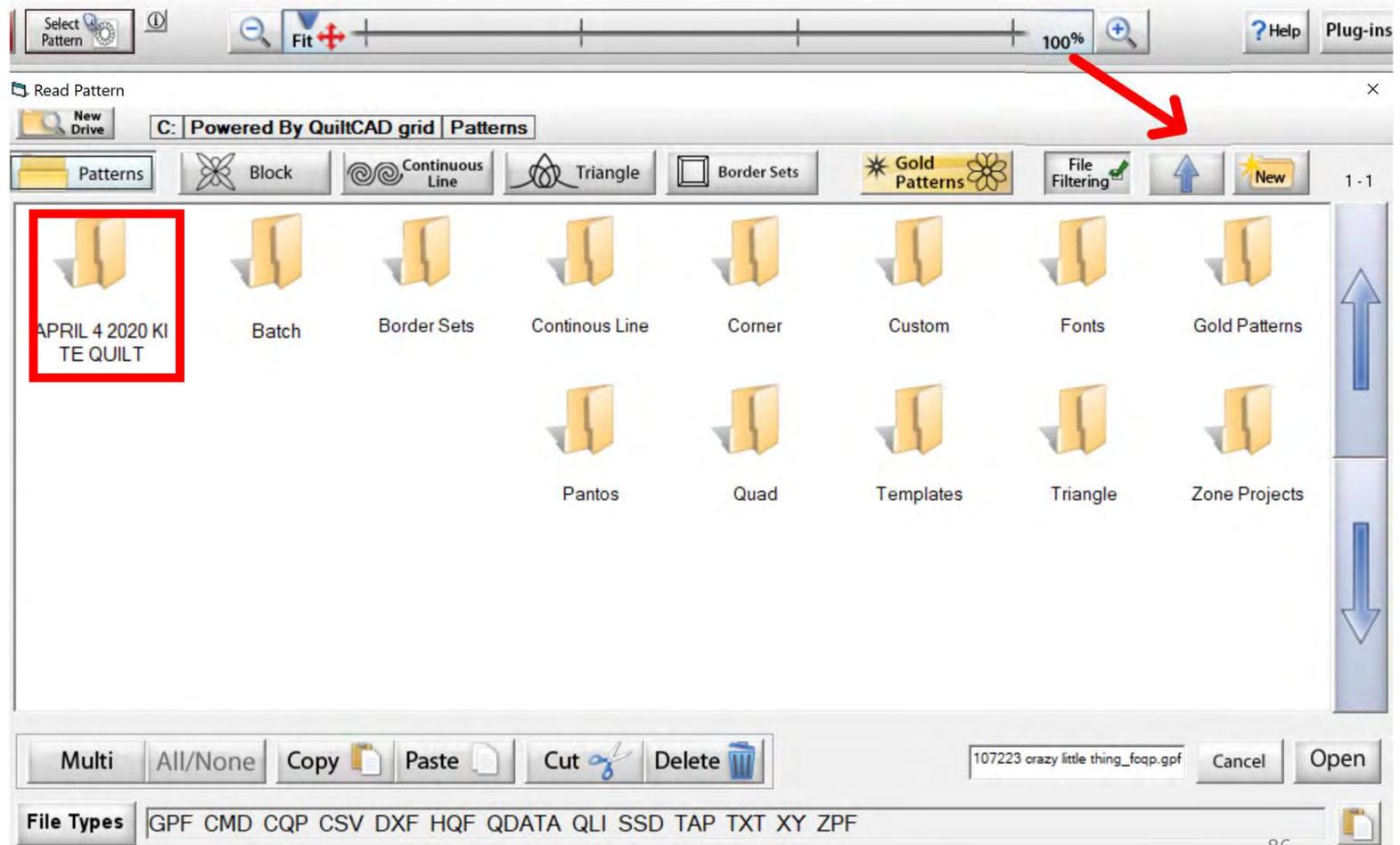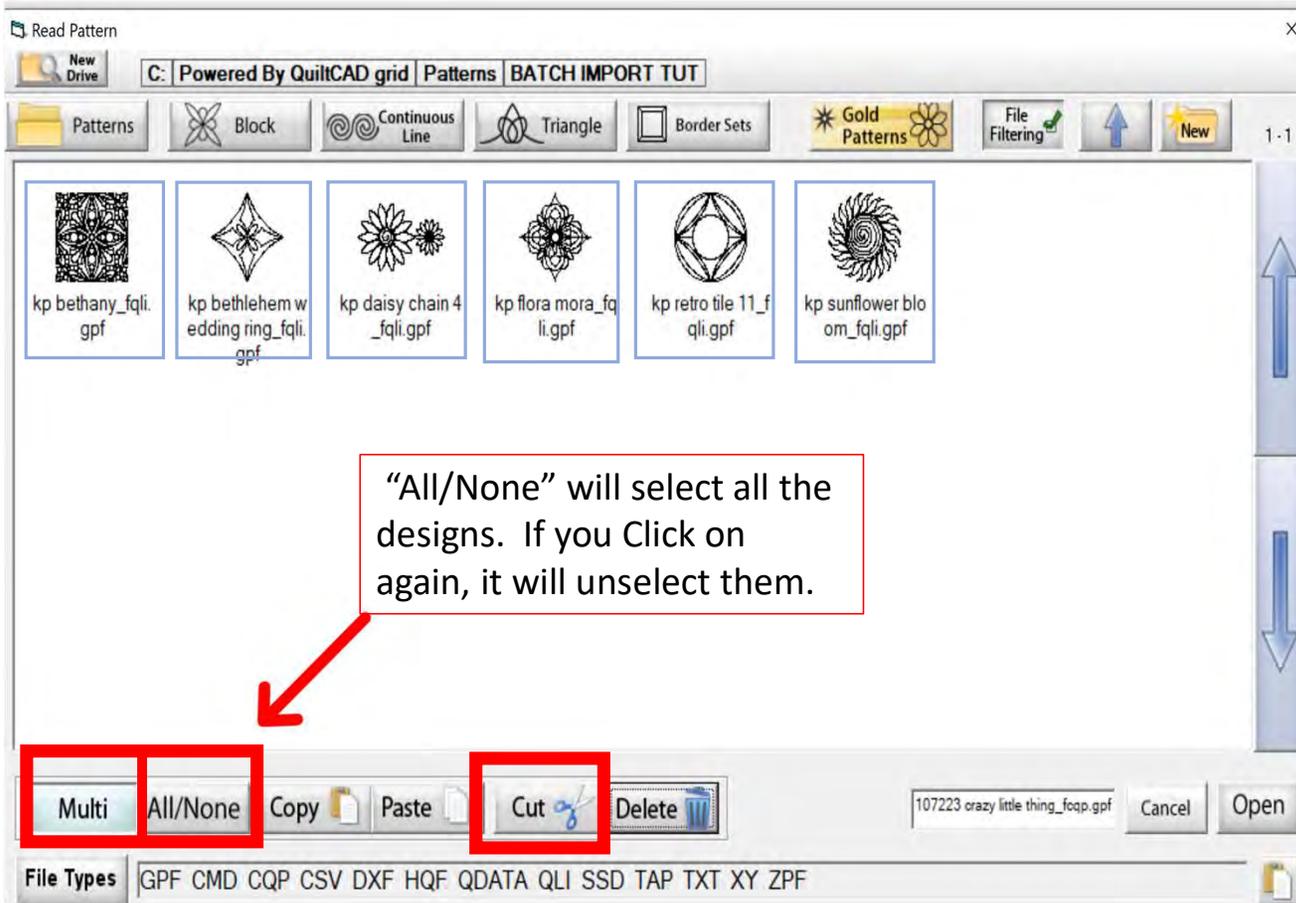
"All/None" will select all the designs. If you Click on again, it will unselect them.

After selecting the design(s) you want in your new folder Click on "Cut." The design(s) will disappear. Click on the back arrow (remember top right).

Plug-Ins Batch Import continued. . .

Shows what folder you are in!
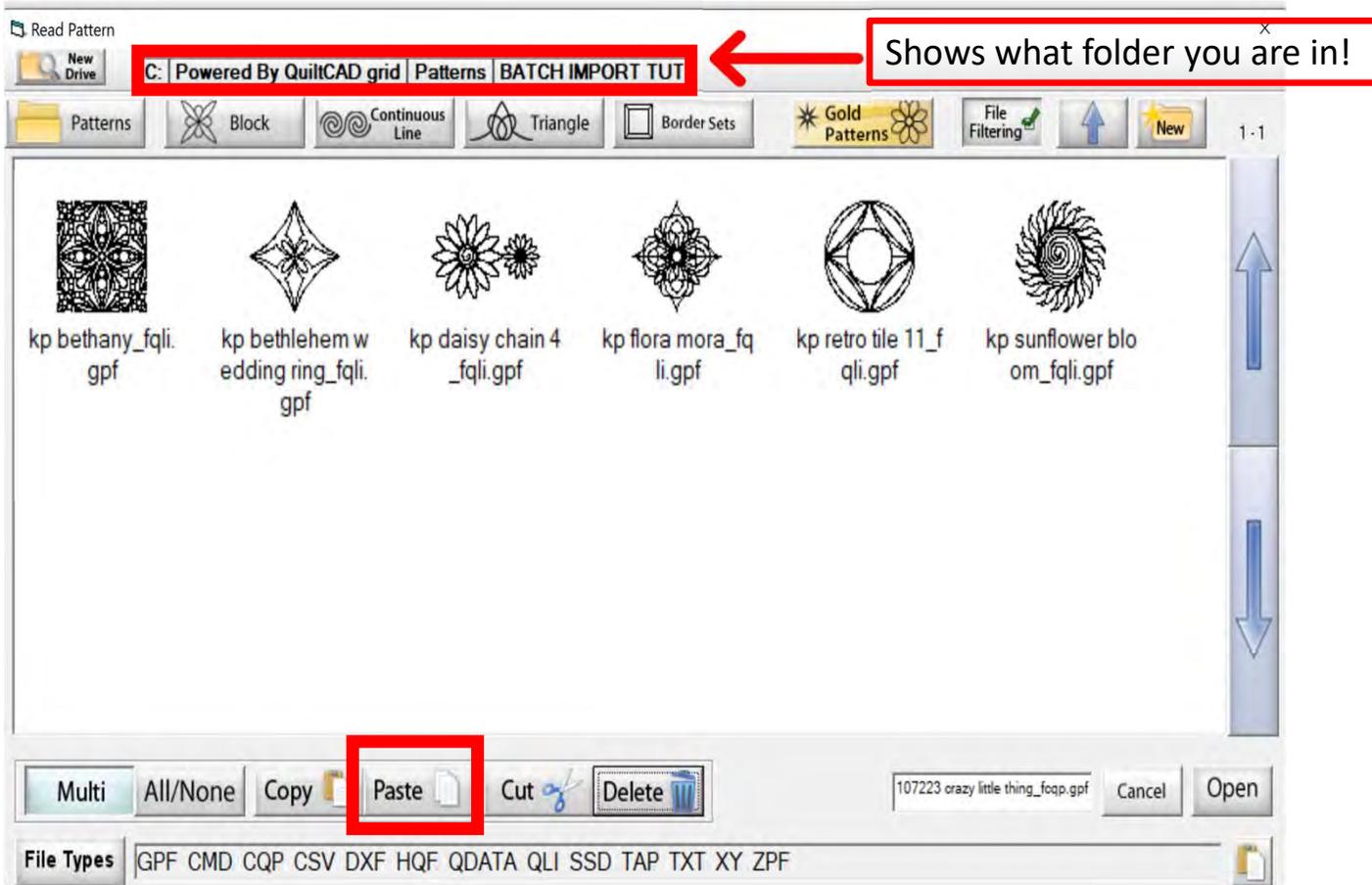
When you are in your new file folder, Click on "Paste." Your design(s) will appear in the new folder.

Now you are ready to start quilting using your newly purchased design(s).

Plug-Ins Batch Export

Your design is ready to export and save. Click on "Plug-Ins" and select "Export."

Plug-Ins Batch Export

Type the "name" you want your exported design to be and Click on "Enter" on the keyboard.
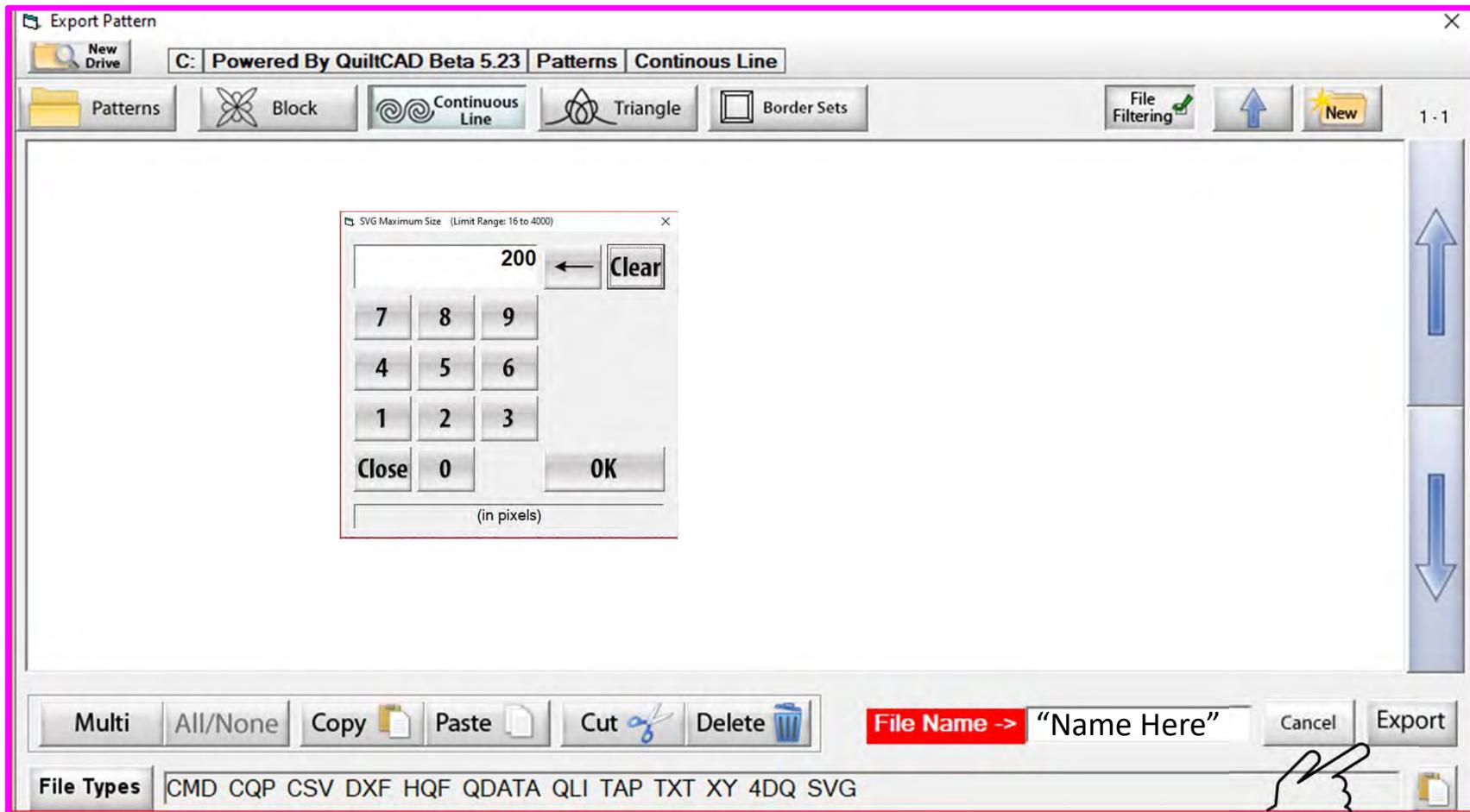
Plug-Ins Batch Export

Plug-Ins Batch Export

Your "Export" design in the design format you like to save on flash drive or computer drive.
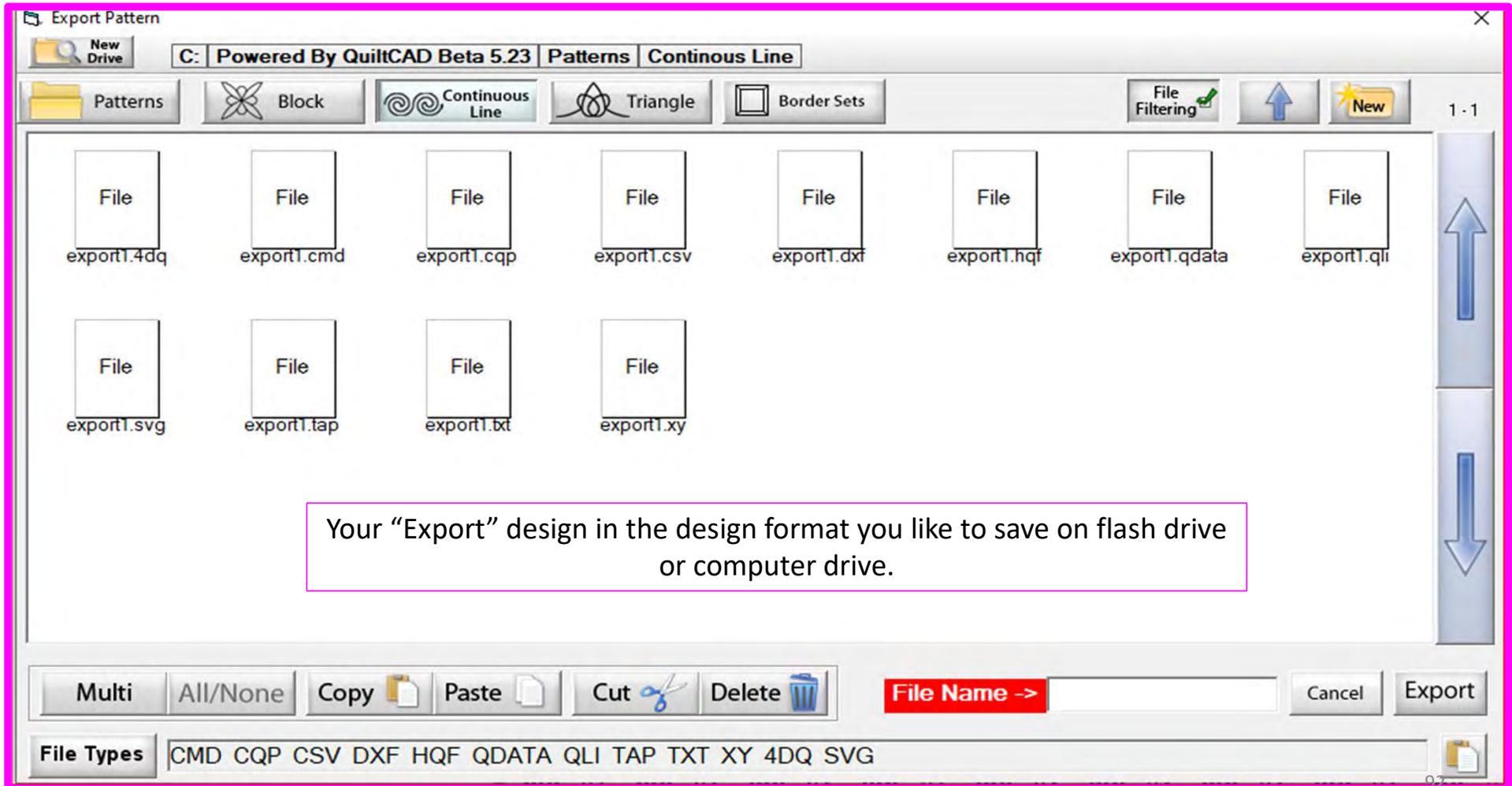
Pantograph Power Panto Mode
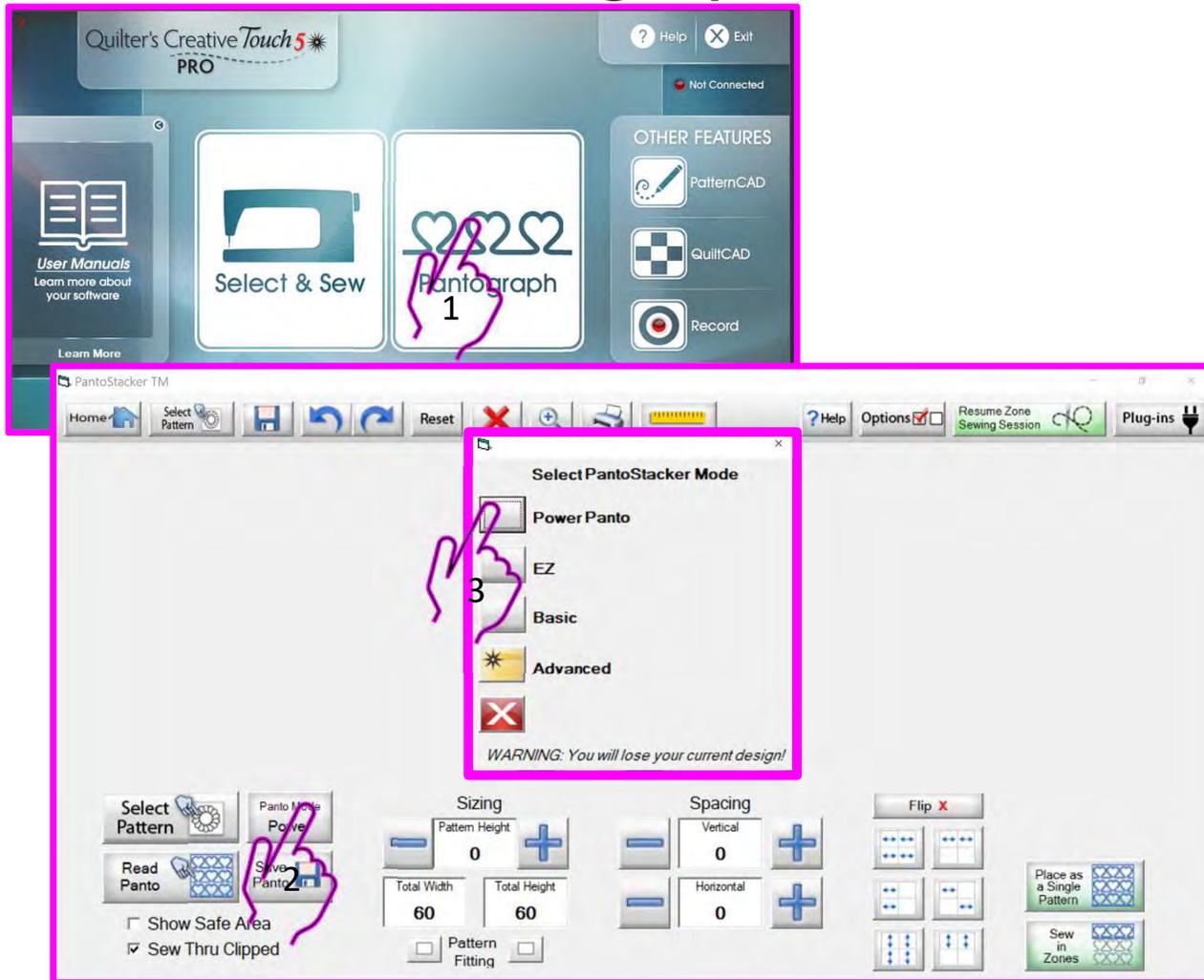
"Power Panto"

Is a quick and easy way to quilt an edge-to-edge design across your quilt. Click on "Pantograph" after you set your safe area. In the "PantoStacker" screen find the "Panto Mode" the "Select PantoStaker Mode" will pop open. Select "Power Panto."

Pantograph Power Panto Mode

This is your "PantoStacker" screen, "PantoStacker" is our suite of tools to design pantographs - from single row to whole quilt designs.

Pantograph Power Panto Mode Select Pattern

Select from the Continuous Line Pattern/Designs. A "continuous line design" is a single pantograph made from unbroken connected lines. Continuous line designs in a row form a pantograph and make an edge-to-edge pattern/design.

Pantograph Power Panto Mode

Pantograph Power Panto Mode Save Panto

Save your pantograph quilt design. Click on "Save Panto."

"Name of Panto Here"

Pantograph Power Panto Mode Read Panto

Open your saved Panto design Click on "Read Panto" find your panto you want to open and Click on "OPEN."

Pantograph Power Panto Mode Show Safe Area

Without checking "Show Safe Area," uncheck, you cannot visually tell how large your panto design will be on your quilt.

"Safe Area" is your quiltable space on your quilt.

When "Show Safe Area" is checked, you will see a visual reference of how many rows will fit in your safe area.

99

Pantograph Power Panto Mode Sizing

Use the "Sizing" (+) or (-) to scale your design larger (+) or smaller (-) on your quilt.

Pantograph Power Panto Mode Height

Reducing the design height will add more rows of the design. Increasing the height will make fewer rows of the design.

Sizing
Pattern Height
4.25

Total Width 60
Total Height 60

Pattern Fitting

Spacing
Vertical 0
Horizontal 0

Sizing
Pattern Height
10

Total Width 60
Total Height 60

Spacing
Vertical 0
Horizontal 0

Sizing
Pattern Height
6.667

Total Width 60
Total Height 60

Spacing
Vertical 0
Horizontal 0

Pantograph Power Panto Mode Fitting

Design

Sizing
Pattern Height
6.354

Total Width
60

Total Height
60

Pattern Fitting

Spacing
Vertical
0

Horizontal
0

Sizing
Pattern Height
6.667

Total Width
60

Total Height
60

Pattern Fitting

Spacing
Vertical
0

Horizontal
0
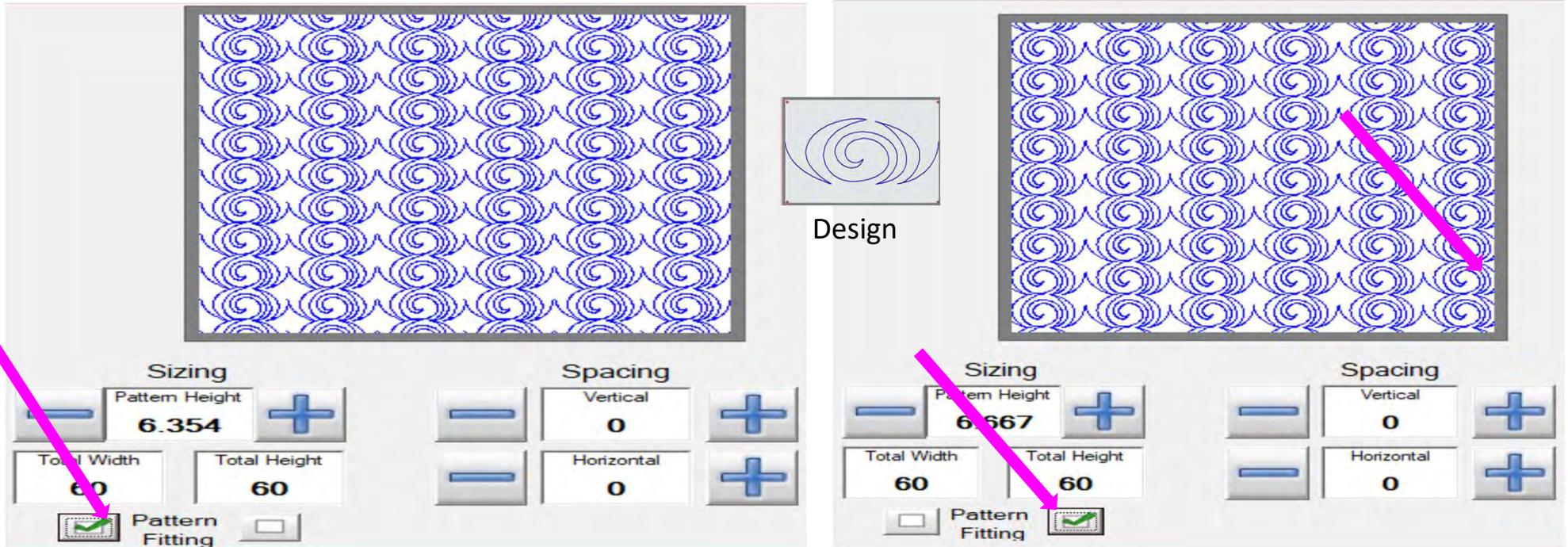
"Check" "Pattern Fitting" to fit the pattern repetitions perfectly between the edges of the quilt.

If "Pattern Fitting" is not checked, the patterns will not line up with the quilt edges. See how the design is cropped?

Pantograph Power Panto Mode Flip

Flip buttons
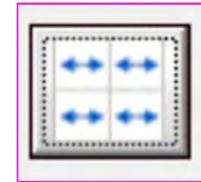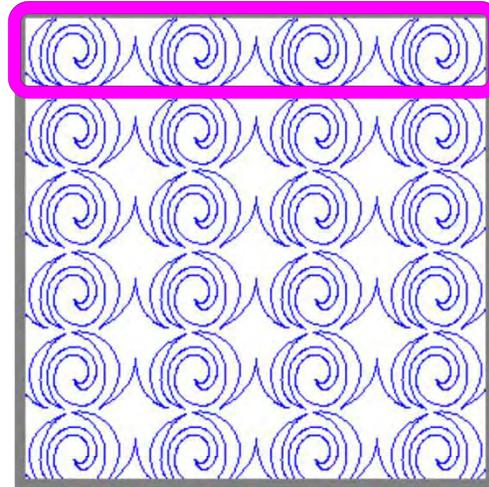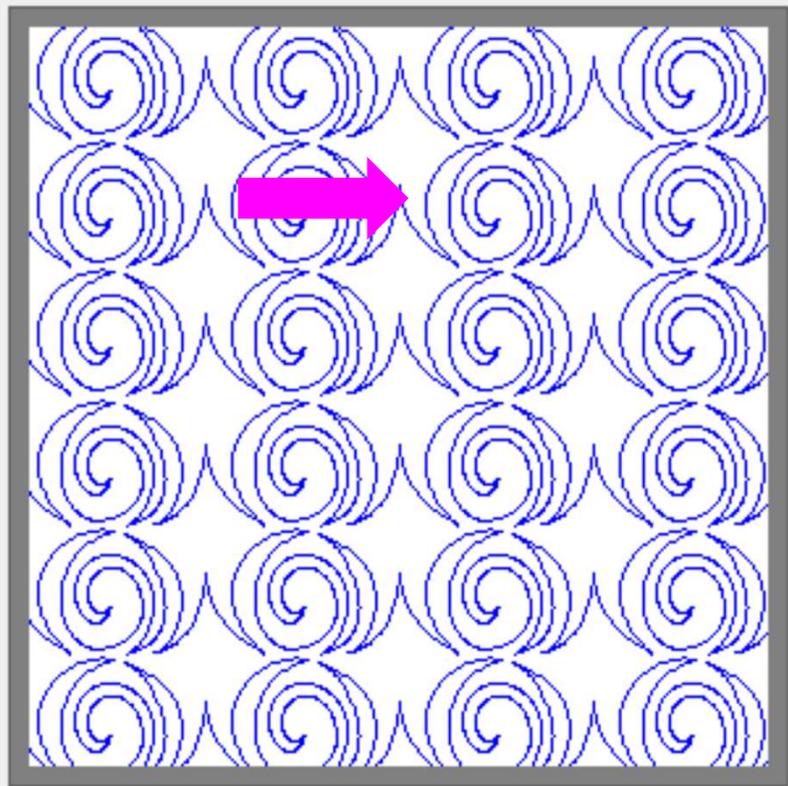
Flips your design horizontally. Notice the design hook is now facing opposite of the original design.
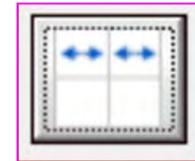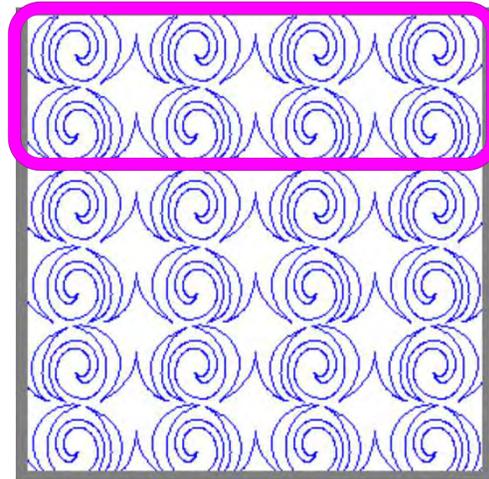
Flips every other row horizontally. Notice the hook in the design is facing a different direction than the row above and below.

Pantograph Power Panto Mode Flip
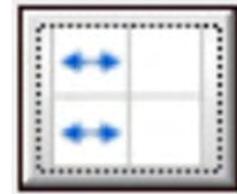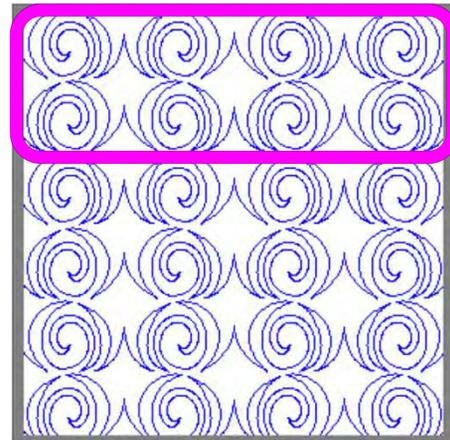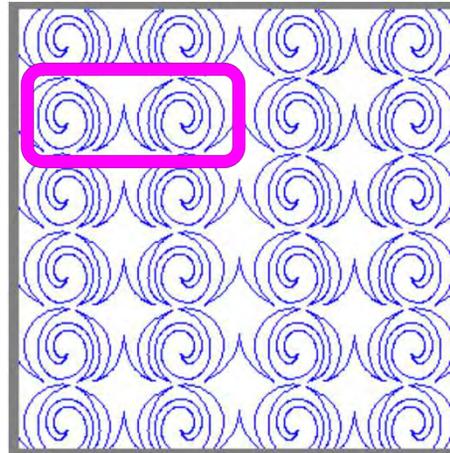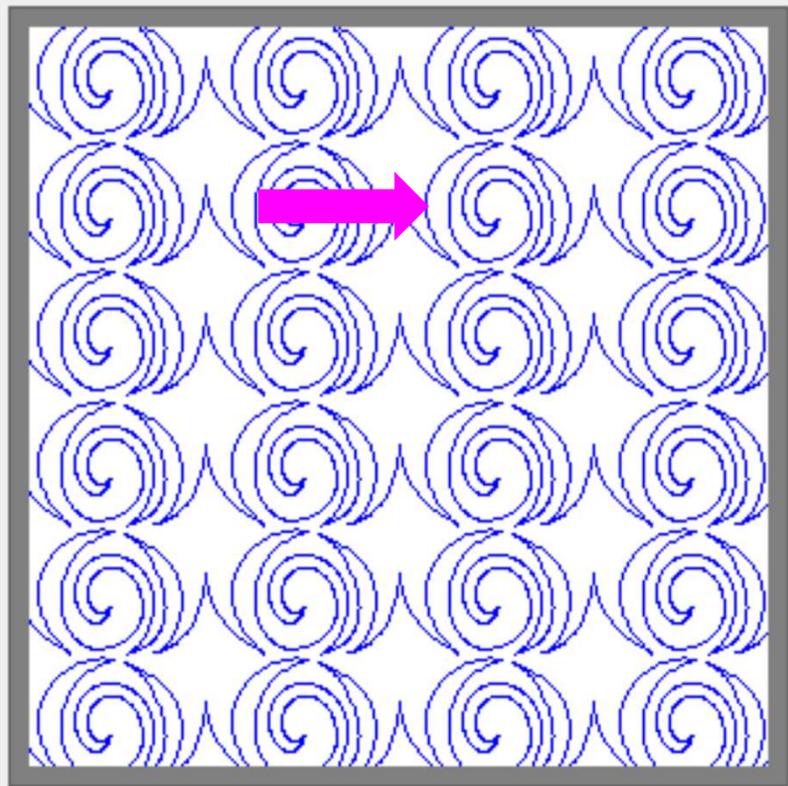
Flip Buttons

Flips every other design in the row horizontally in the other direction.
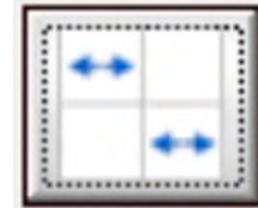
Flips every other row of the design horizontally.

Pantograph Power Panto Mode Flip

Flip Buttons
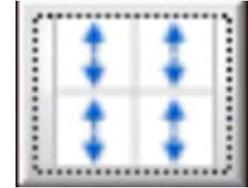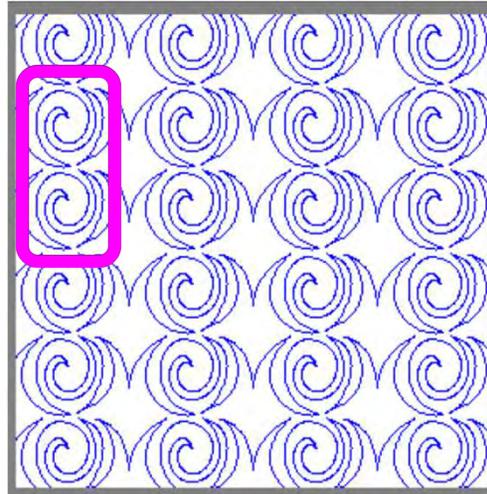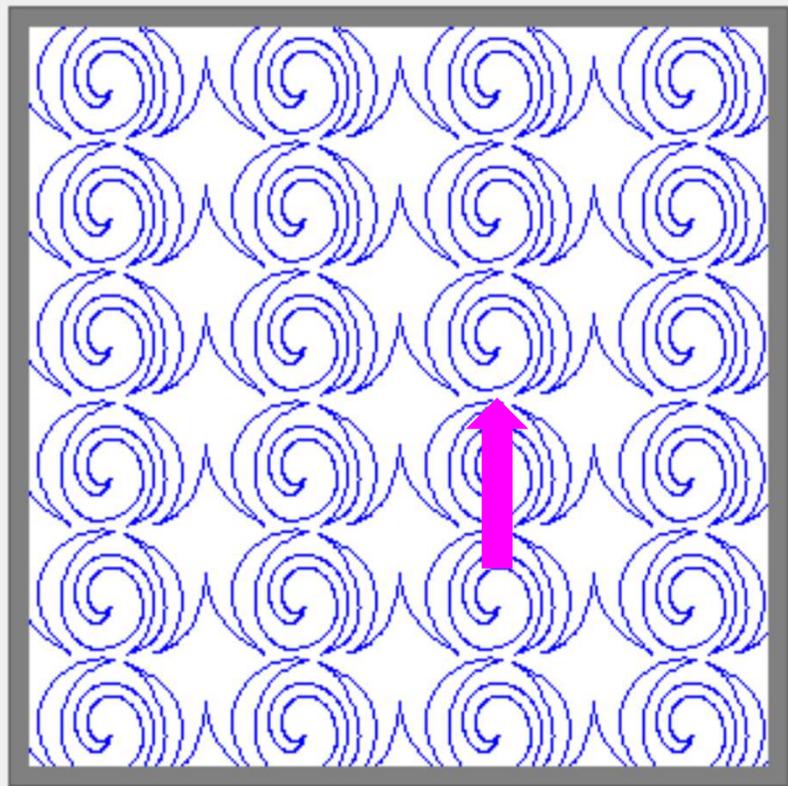
Flips every other design in the row vertically in the other direction.
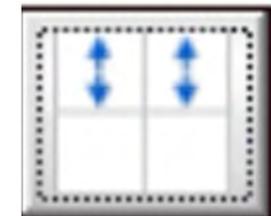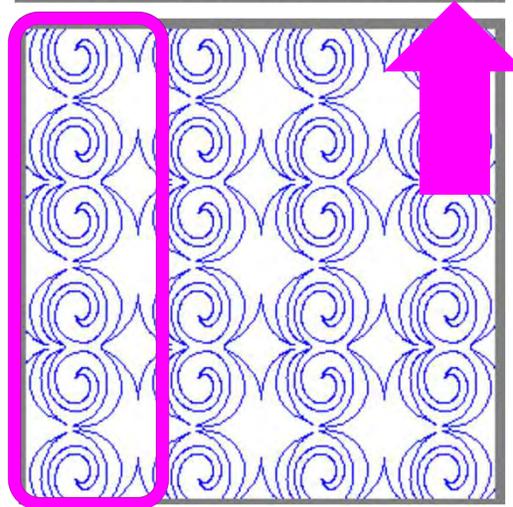
Flips every other row of the design vertically.

Pantograph Power Panto Mode

Quilting an Edge-to-Edge Design using "Power Panto" always choose:

When quilting an edge-to-edge design using the "Power Panto Mode," you would never want to "Place as a Single Pattern." This mode is made to help you quickly quilt edge-to-edge. It fills in your design using your quilt size. With "Power Panto" you don't need to determine how many designs will fit onto your quilt-does all the math for you. The only thing you do is choose the height you want your design to be. If you want to quilt a single pantograph, then go to the "Basic Mode" section of the help files to learn how to quilt your single pantograph.

Pantograph Power Panto Mode

What is a "zone" in quilting? A "zone" is the section of the quilt that can be quilted within your frame without reposition or rolling your quilt. For example, if you own a hoop frame you may have 2 zones/sections going across your quilt and several zones/sections going down the quilt, because your quilt is wider and longer than your frame. On a rolling frame, a quilt is only one zone/section across but several zone/sections down.
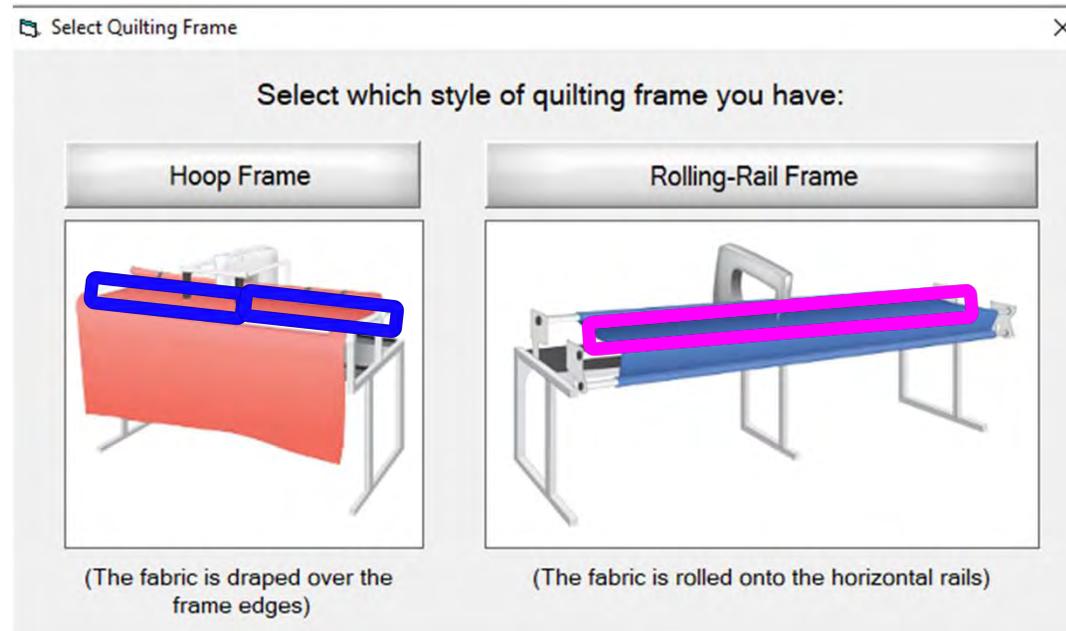
Sew in Zones

Example hoop frame quilt "Zones"

Zone 1	Zone 2
Zone 3	Zone 4
Zone 5	Zone 6
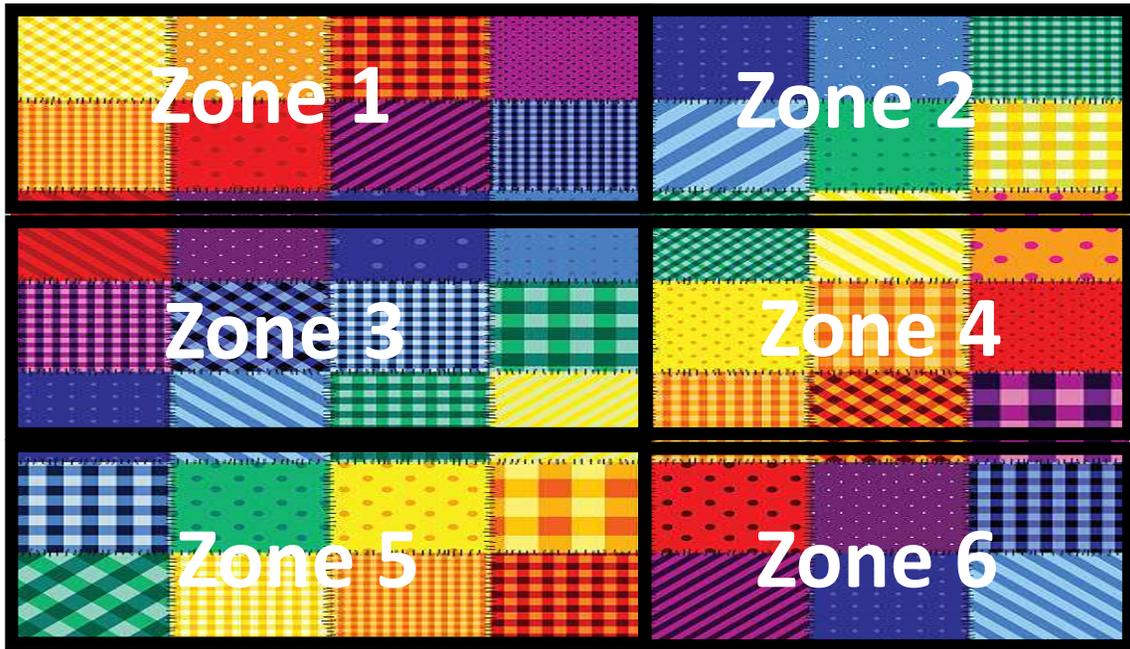
Example rolling frame quilt "Zones"

Zone 1
Zone 2
Zone 3
Zone 4

Pantograph Power Panto Mode

Learn how to quilt an "edge-to-edge" design across your quilt. Click on "Sew in Zones."
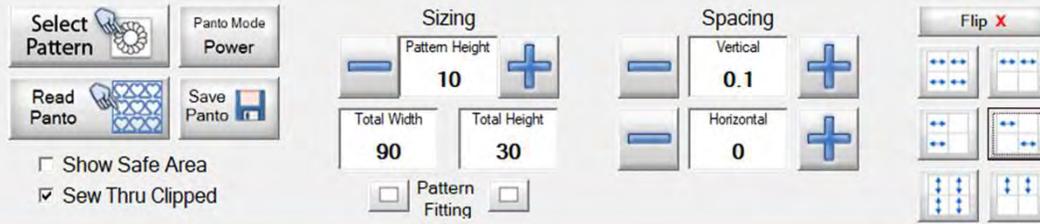
Pantograph Power Panto Mode

Always save your design! You can delete it when you are finished quilting. Saving your design will allow your stop at the end of a zone, then start quilting again where your left off. Click on "YES" and you will be taken to the Auto-saved Zone Projects folder.
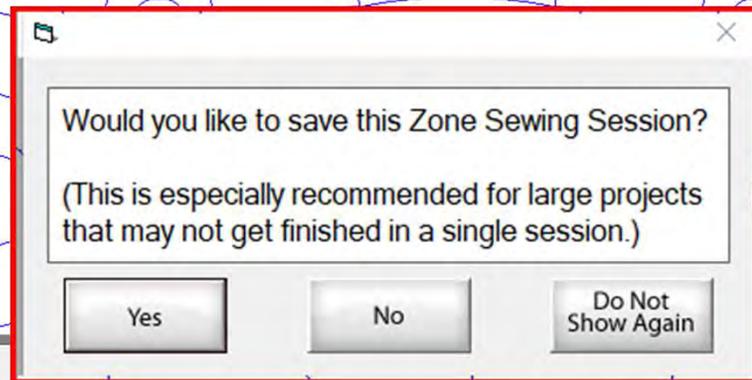
Would you like to save this Zone Sewing Session?

(This is especially recommended for large projects that may not get finished in a single session.)

| Yes | No | Do Not Show Again |

Select Pattern Panto Mode Power

Read Panto Save Panto

☐ Show Safe Area
☑ Sew Thru Clipped

Sizing
Pattern Height
− 10 +

Total Width 90   Total Height 30

☐ Pattern Fitting ☐

Spacing
Vertical
− 0.1 +

Horizontal
− 0 +

Flip X

Place a Single Pattern

Sew in Zones
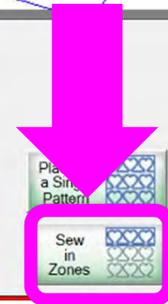
Pantograph Power Panto Mode

Click on "File Name." Your keyboard will pop up. Type in the name of your design. It could be the person you are quilting the quilt for or the name of the block. When finished, Click on "Enter" and your project will save.

Pantograph Power Panto Mode
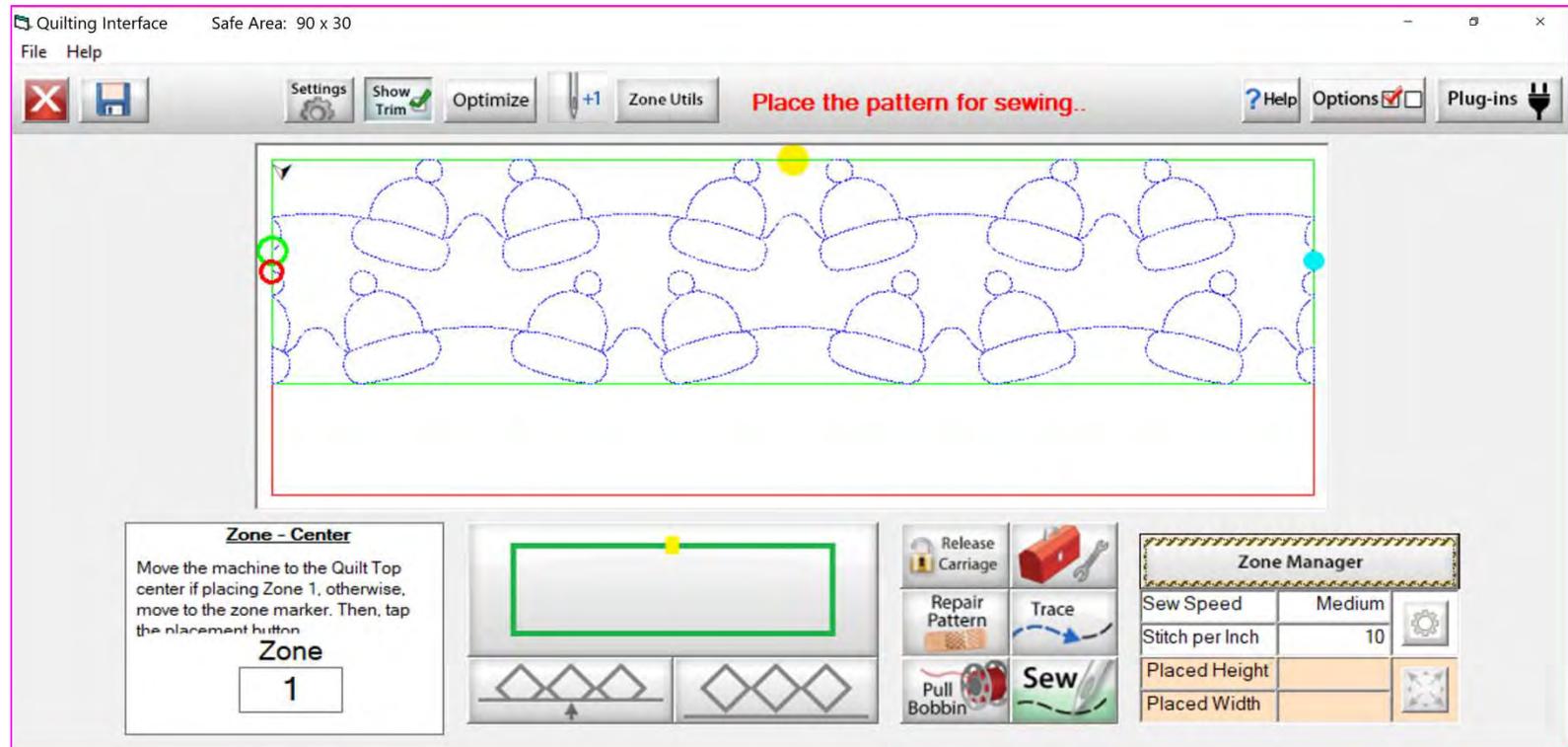
This is the "Pantograph Sew in Zones" "Quilting Interface" screen. Here we will learn each button, and when to use them. Let's start with the top tool bar. Since we already know how to save our pantograph design, we will start with "Settings."

Pantograph Power Panto Mode

1 2   3   4   5   6   7   8   9   10

1. EXIT the "Quilting Interface" screen and go back to "Pattern Placement" screen.

2. SAVES your pantograph design

3. SETTINGS: Open to change your sewing machine and QuiltMotion settings, such as stitches per inch, tie offs, and sewing speed.

4. SHOW TRIM allows you to see your trims lines.

5. OPTIMIZE allows you to connect sections of your pantograph design to make it a single design with no breaks.

6. Single Stitch allows you to make a "Single Stitch" while connected to the automation.

7. ZONE UTILS allows you to move, refresh, adjust end point and zone placement.

8. HELP allows you to access the help files, to get more detailed information about QuiltMotion/QCT software.

9. OPTIONS accesses the Preferences Menu.

10. PLUG-INS accesses the Marking Tool to help you place your design with precision and accuracy.

113
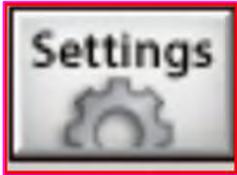
Pantograph Power Panto Mode

Settings

SETTINGS - Change your sewing machine and QuiltMotion settings such as Stitches per inch, tie offs, and sewing speed.

Click to set sewing/automation speed to Slow, Medium or Fast.

Use the (+) to increase or (-) to decrease the stitch length.

"Tie-Off mode" ties a knot to keep stitches in place. Choose between a small "micro stitch" or "back and forth" and set the number of tie off stitches desired to secure the beginning and end of your design.

Checking will automatically prompt pull your bobbin and pause at a trim line.

Pattern statistics shows you the height and width of your design and length you have quilted. It also counts your stitches as it is quilting and informs you how many trims you have on your design.

Pantograph Power Panto Mode
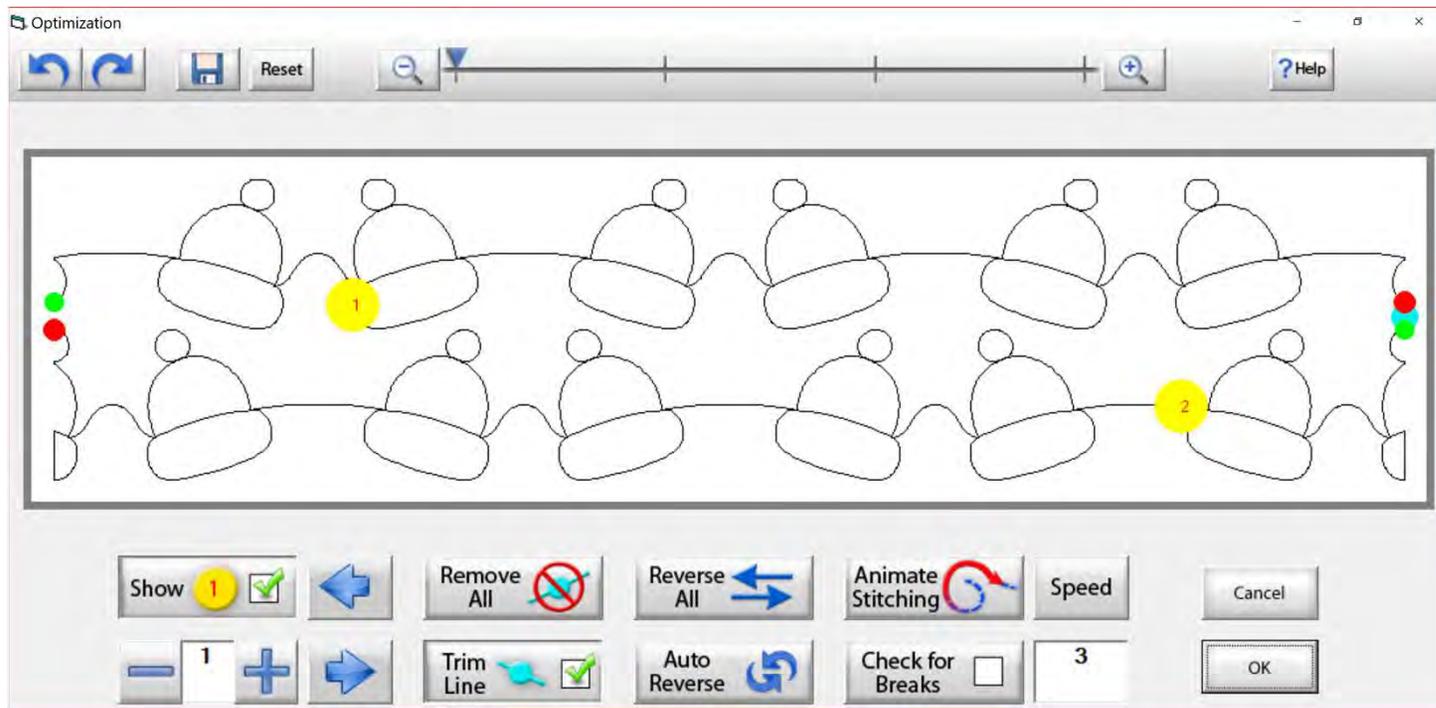
This is the "Optimization" screen, which allows you to make the design you are quilting sew smoothly without stopping. Let me take you through the process of using these tools to optimize your design.

# Pantograph Power Panto Mode

1. Undo - Undo last action on screen.
2. Redo - Reapply last undo.
3. Save - Save your pantograph design.
4. Reset - Resets pattern to its original state.

5. Zoom-in – Zooms in to make design larger.
6. Zoom-out – Zooms out to make it smaller.
7. Help - Opens this help file.
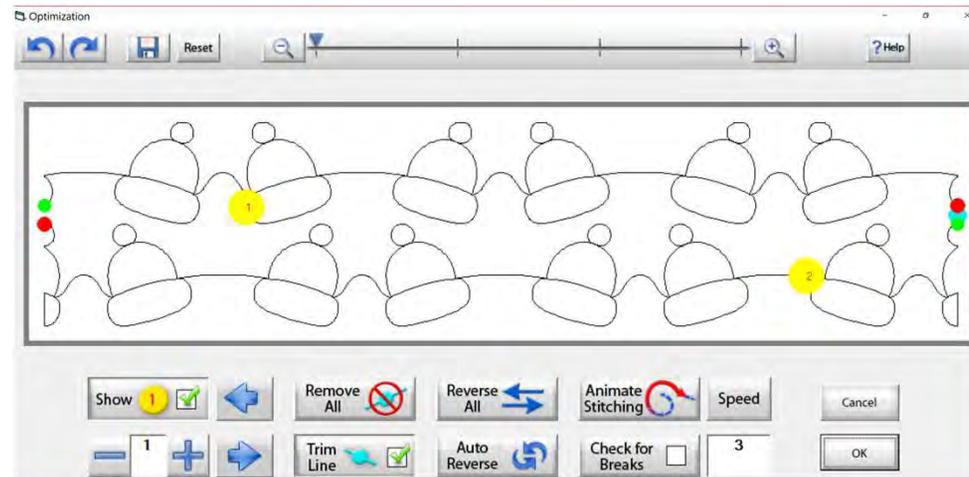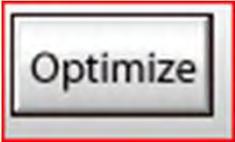
Pantograph Power Panto Mode
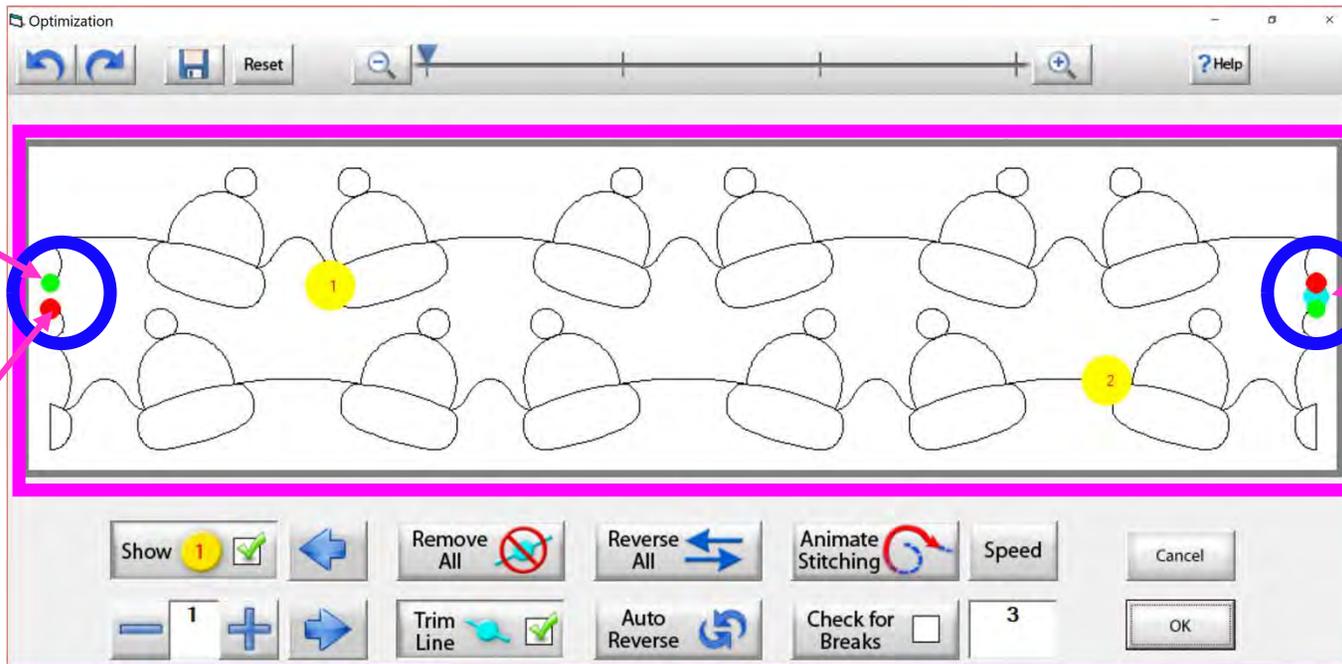
Optimize

Start sewing green

Stop sewing Red

Here is a trim line. The blue dot indicates the designs has ended. It is not connected to the next design.

The optimization screen shows where your pantograph will start sewing (green dot) and where it will stop (red dot). It shows the direction the pantograph design will sew. The yellow dots show which section will sew first (1) and next (2). You will also see if there are trim lines (a trim line is a section of thread at the end of the design).
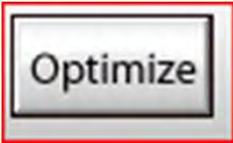
Pantograph Power Panto Mode
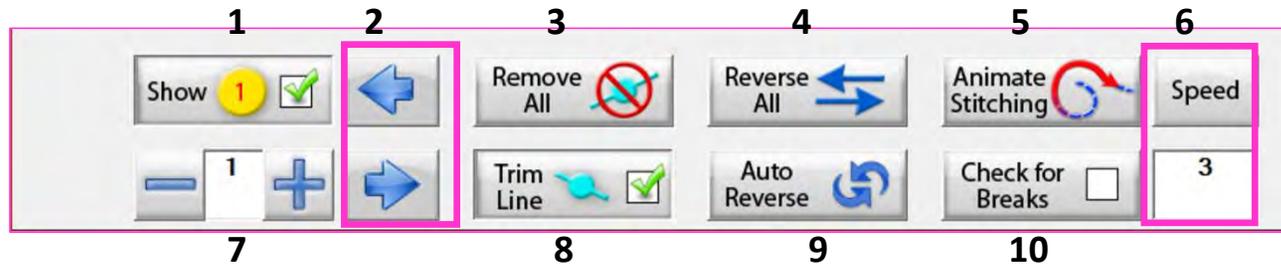
1. **Show Section Numbers** — Enables and Disables showing section numbers.
2. **Move Section Numbers** — Moves the location of the section number on the pattern. This does not change the order of the pattern.
3. **Remove All Trim Lines** — Removes all trim lines from the pattern and places a line that will be sewn in its spot.
4. **Reverse All** — Reverse the sewing path of the entire selection.
5. **Animate Stitching** — Will show the pattern being traced in the order that it will sew on the quilt.
6. **Animation Speed** — Set the speed of the animated stitching.

7. **Section Number** — When you set this to a section number, then tap on a section it will change that number to the one you want. This allows you to manually change each section number.
8. **Show/Hide Trim Lines** — Enables and Disables trim lines from being shown.
9. **Auto Reverse** — Will optimize the pattern automatically, in the reverse direction it started at.
10. **Check for Breaks** — When enabled you will be prompted to remove trim lines during animated stitching.

Pantograph Power Panto Mode
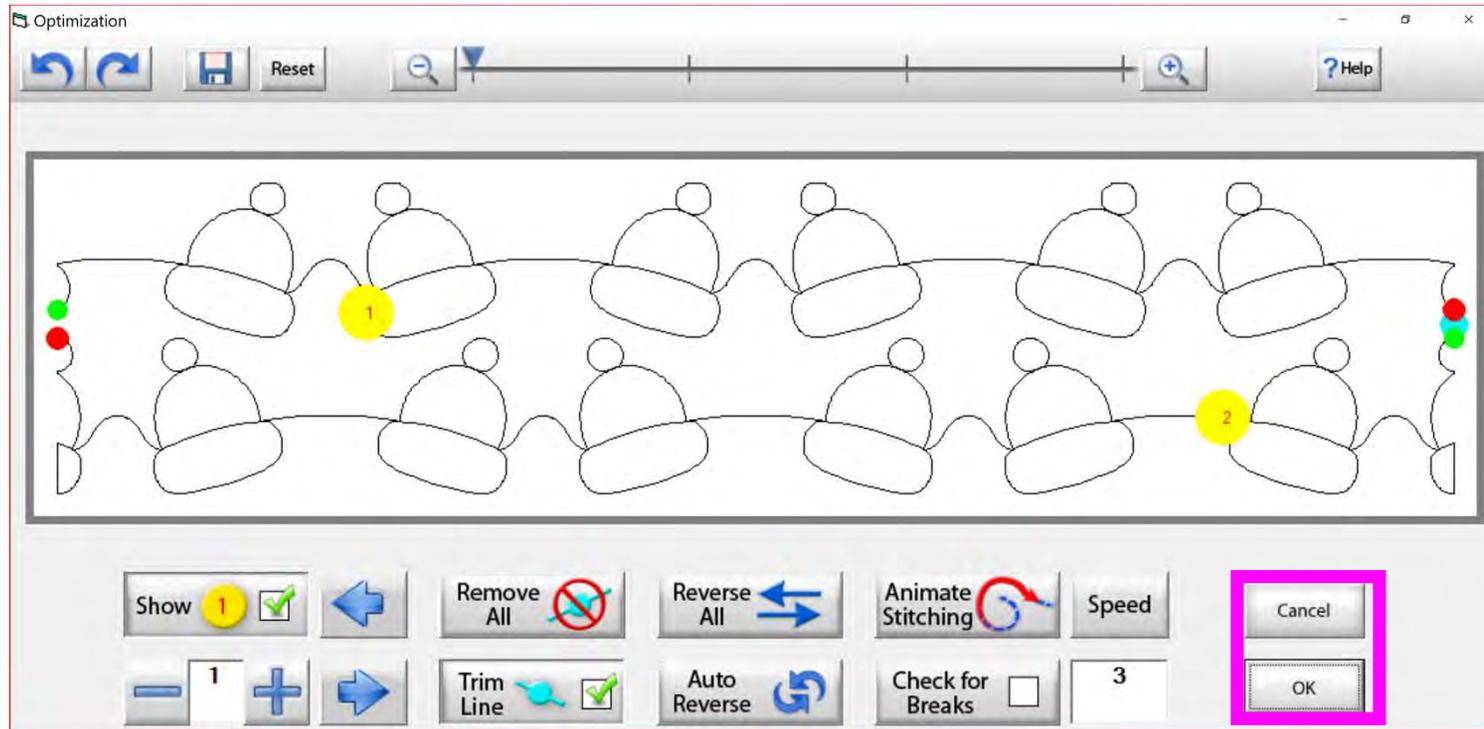
Tap "OK" to accept the changes you have made to your design, or "CANCEL" to discard the changes and go back to the quilting interface screen.

Pantograph Power Panto Mode
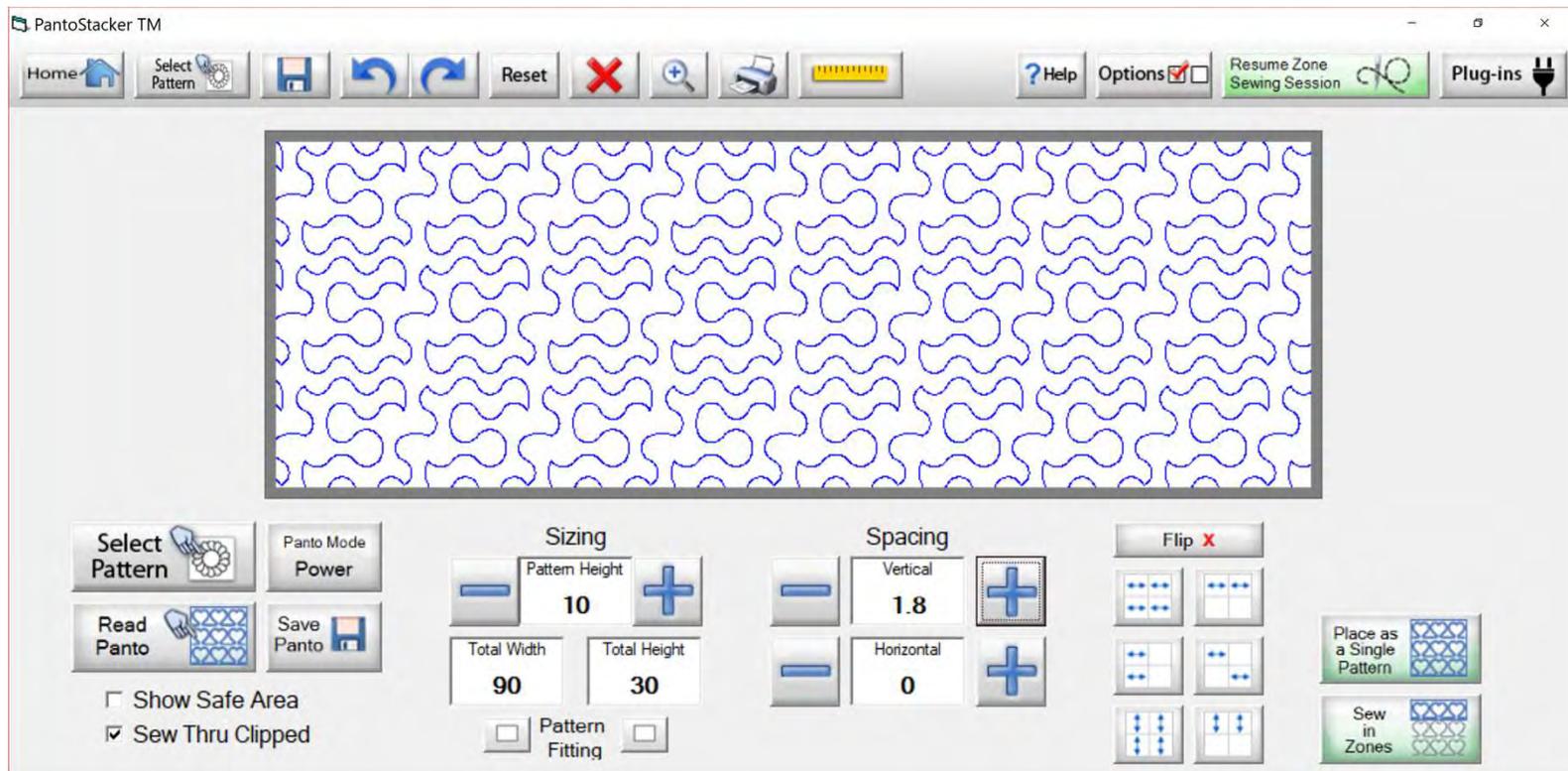
Select your design in your "PantoStacker" screen and make any adjustments you need to quilt your desired look. I adjusted the vertical spacing. Click on "Sew in Zones."

Pantograph Power Panto Mode

Optimize

Trim line

This is your "Quilting Interface" screen. Notice I have one trim line on my design. A trim line is a section of your design where your machine will stop sewing, so you can pull your bobbin thread, before moving to the next section to continue sewing. We want to get rid of the trim line and make our pantograph one continuous pantograph so our sewing machine will not stop. To get rid of this trim line, Click on "Optimize."

Pantograph Power Panto Mode

Optimize

Start point first section

End point section two

End point first section

Trim line

Start point section two

Let's get rid of that pesky old trim line. You can Click on "Remove All" to get rid of it with the Click of the button or you can Click on "Check for Breaks." While you are "Animating Stitching," it will stop the Animation and ask if you want to remove the break. Click on yes, and it will proceed to the next until your design is finished with the "Animate stitching."

Pantograph Power Panto Mode

Optimize

Start point first section

End point section two

End point first section

Trim line

Start point section two

Optimization

Reset · Help

Pattern Break

Do you wish to remove this break?

Yes · No · Cancel

Show 1 ☑ · Remove All ⊘ · Reverse All · Animate Stitching · Speed · Cancel

− 1 + · Trim Line ☑ · Auto Reverse · Check for Breaks ☑ · 1 · OK

Notice that it stopped the animation sewing process when it came to a trim line. It is also a break in the design. The screen popped up to ask if I want to remove this break. I do so Click on "yes" and it will remove that trim line break.

Pantograph Power Panto Mode

Optimize

Start point first section

End point section two

End point first section

Trim line

Start point section two

Optimization

Reset · Help

Pattern Break ×

Do you wish to connect the first and last points?

Yes · No

Show 1 ☑ · Remove All 🚫 · Reverse All ⇄ · Animate Stitching ↻ · Speed · Cancel

— 1 + · Trim Line 🐟 ☑ · Auto Reverse 🔄 · Check for Breaks ☑ · 1 · OK
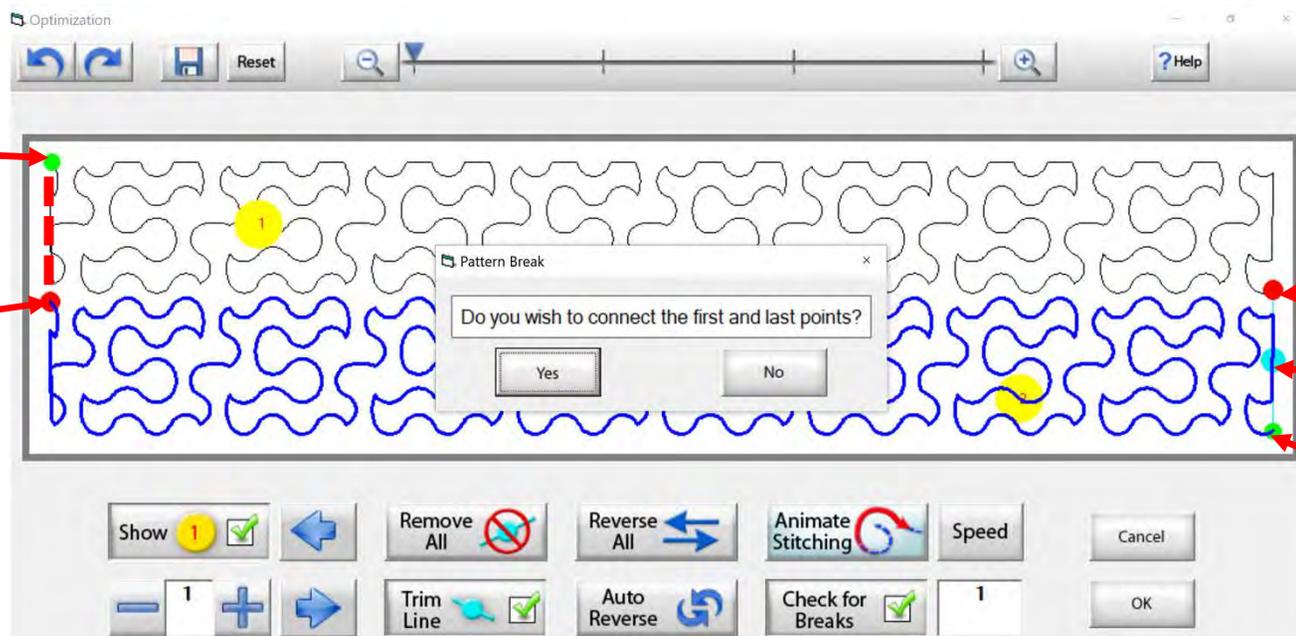
At the end of you design another screen will pop up asking "Do you wish to connect the first and last points," meaning the start point of your first section and the end point of your last section. I always click on NO. With this design it would not hurt-your connection line would be on the edge of the design.

# Pantograph Power Panto Mode

Optimize

Start point
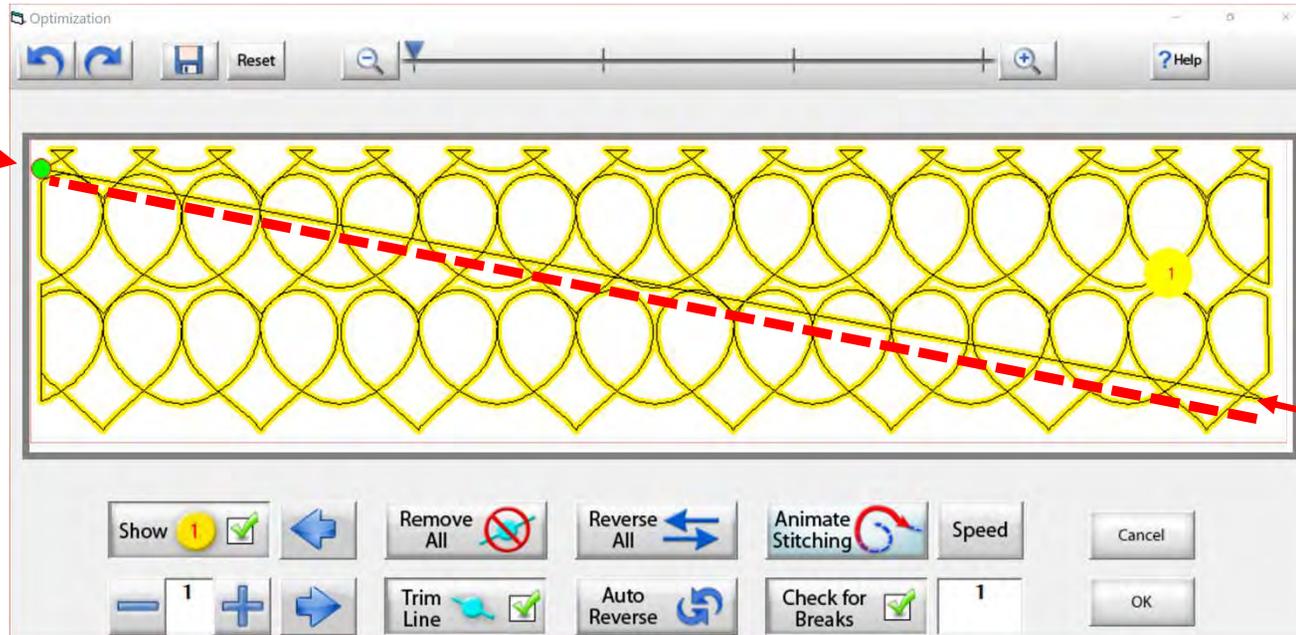
End point

On some patterns, connecting the first and last point would be disastrous. For example, look at the hearts design above, notice what happens when I say yes to connect the first and last point. It will sew across your design to connect.

Pantograph Power Panto Mode

Optimize

Start point
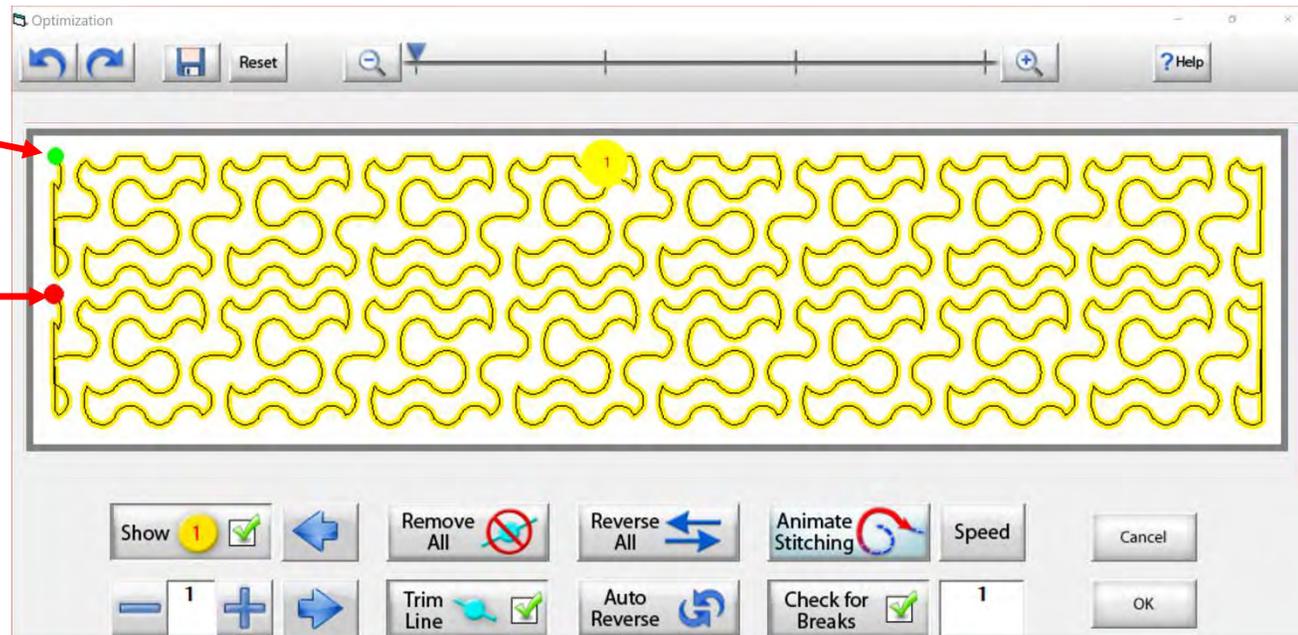
End point

Now that we have changed the pantograph design and how it will sew, you can see there are no breaks or trims on the design, you only have one "start point" and one "end point." Play around in simulation mode and get to know how to use the optimization better.

Pantograph Power Panto Mode

Optimize

Start point

End point

Trim line

Trim line

"Reverse All" reverses the direction of your design. Notice on the top where your trim line is. On the second screen it has moved to the other side.
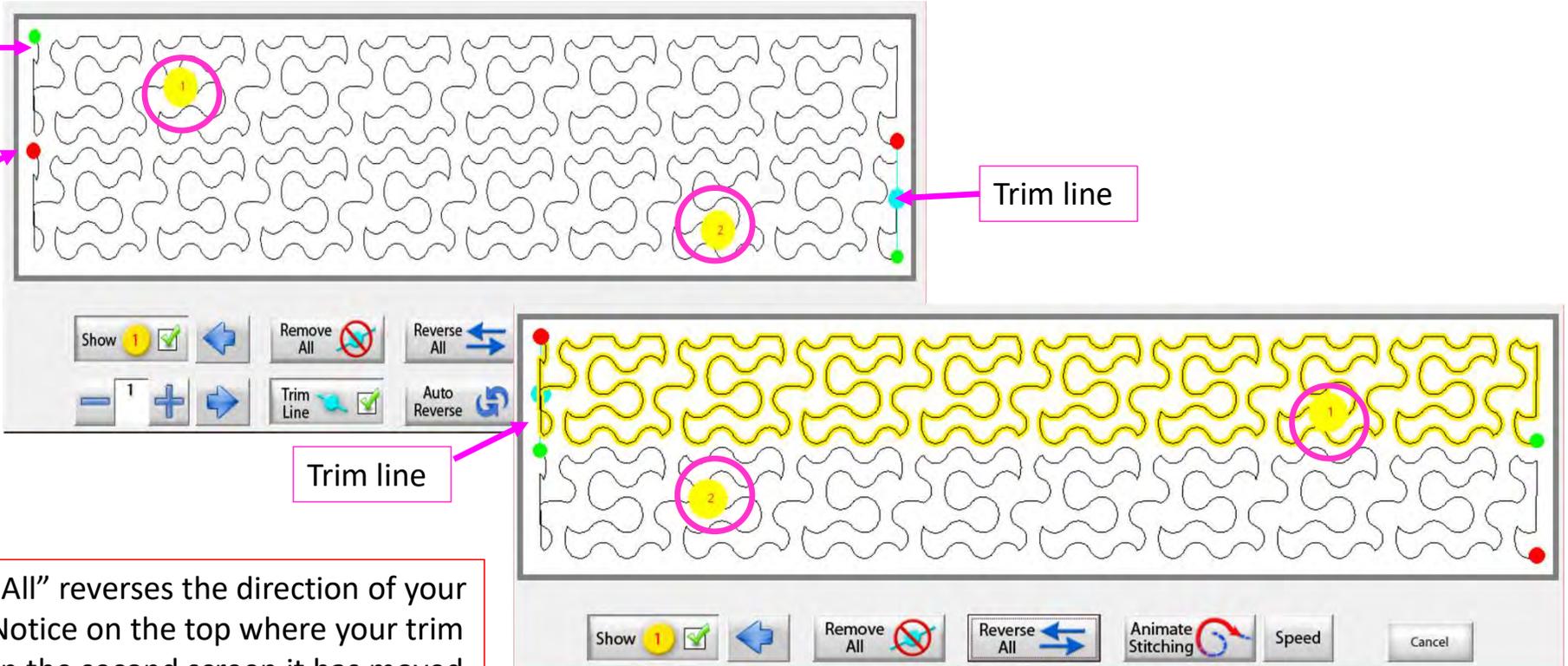
Power Placement continued. . . Quilting Interface Screen

Now you don't have to open the "Toolbox" to make a single stitch. Click on "Single Stitch" button any time when connected to the automation. This handy button is found at the top of the "Quilting Interface" screen next to "Optimize."

Pantograph Power Panto Mode

"Zone Utils" are zoning tools to help you place and adjust your pantograph.
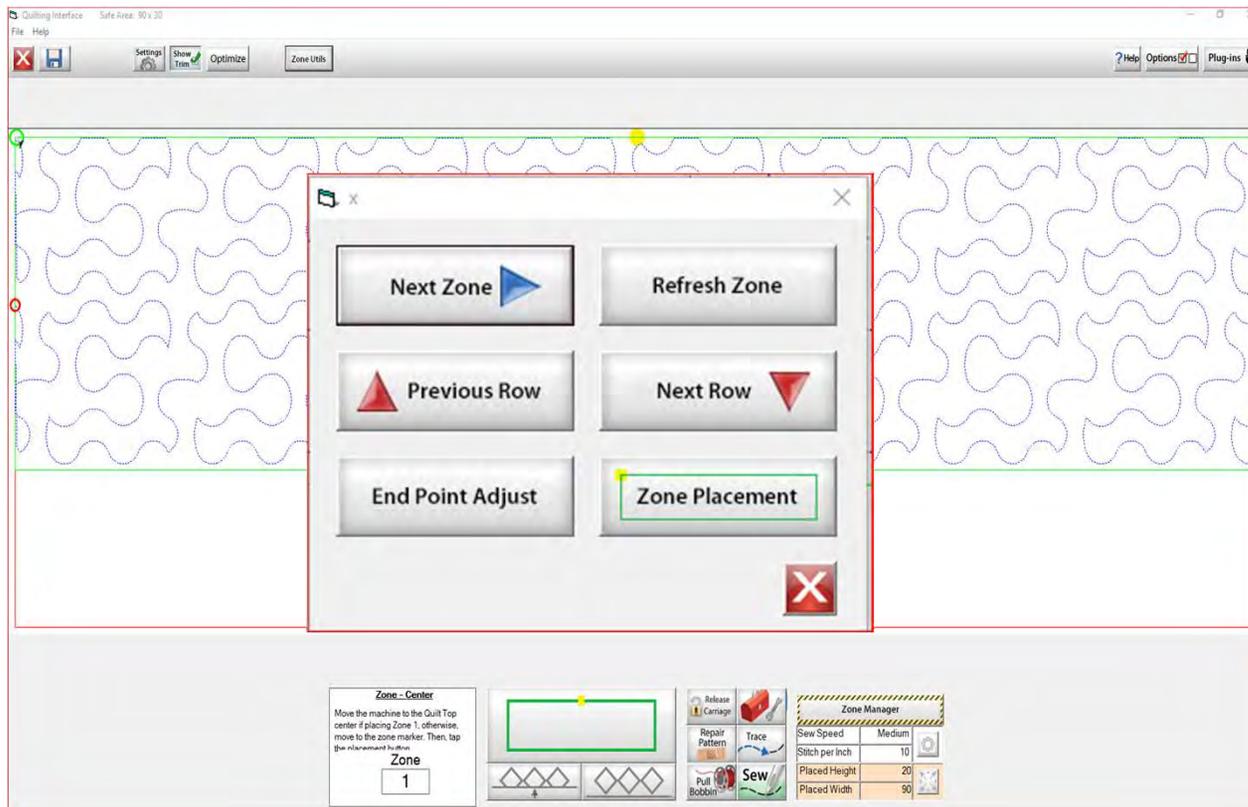
Use the "Zone Utils" to:
1. Move to Next Zone
2. Refresh your Zone
3. Move to Previous Row in Zone
4. Move to Next Row in Zone
5. End Point Adjust
6. Back to Zone Placement Screen

Pantograph Power Panto Mode

Zone Utils

Next Zone ▶

"Next Zone" moves your machine to the next zone placement to mark before rolling your quilt.

Placement for zone 1

Placement for zone 2

To mark the placement of your design on your physical quilt, you can use tape, stickers or your can have your machine sew an "L" shape. We will learn how to mark our zones to advance our quilt a bit later.

Mark Next Zone ✕

Mark the Next Zone

◉ Marking Method

Add the marks for the next zone using your selected Marking

+1 Single Stitch

├── 1 inch ──┤

2A

Cancel

Continue

one – Ce

chine to th
ng Zone 1
one mark
t button
Zone
1

e Manager

Medium
10

Pantograph Power Panto Mode

Zone Utils

Next Zone

"Next Zone" moves your machine to the next zone placement to mark before rolling your quilt.

Mark Next Zone

Mark the Next Zone
Marking Method
Add the marks for the next zone using your selected Marking
+1 Single Stitch
1 inch
2A
Cancel
Continue

Mark Next Zone

Mark the Next Zone
Marking Method
Add the marks for the next zone using your selected Marking
Sew Mark
1 inch
2A
Cancel
Continue

Why do we need to mark our placement? Marking our placement creates a point of reference to place our next section of pantograph onto the quilt.

Mark Next Zone

Mark the Next Zone
Marking Method
Add the marks for the next zone using your selected Marking
Pull Bobbin Sew Mark
Pull Bobbin
Move Machine
1 inch
2A
Cancel
Continue

Pantograph Power Panto Mode

Zone Utils

Refresh Zone

"Refresh Zone" will refresh your screen to show any changes made to your zone.

Previous Row

"Previous Row" will move you up to the previous row you just quilted.

Next Row

"Next Row" moves you down to the next row that needs to be quilted.

Pantograph Power Panto Mode

Zone Utils

End Point Adjust

"End Point Adjust" helps you refine your end points to match up before proceeding to the next zone. This is very helpful when you are quilting on a Hoop style frame.
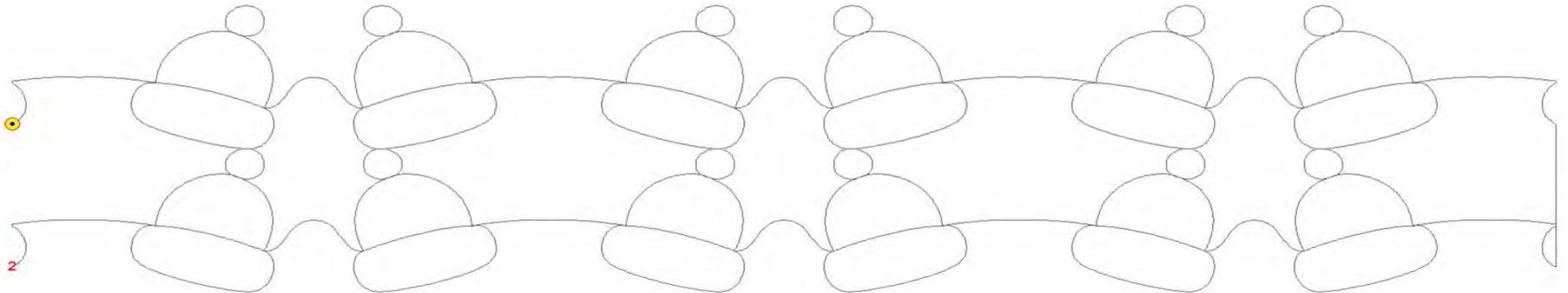
Select Point

First | Prev | 1 | Next > | Last >

☑ Show Selected   ☑ Auto Move

Adjust Point

○ Small Steps
○ Medium Steps
● Large Steps

Reset Current

Reset All

Cancel   OK

Pantograph Power Panto Mode

Zone Utils

End Point Adjust

Select Point

◻< First	< Prev	1	Next >	Last >◻

☑ Show Selected   ☑ Auto Move

Adjust Point

○ Small Steps
○ Medium Steps
◉ Large Steps

Reset Current

Reset All

Cancel   OK

Select Point 1

Select Point 2

"Select Point" buttons move you from one end point to another throughout your design.

Pantograph Power Panto Mode

Zone Utils

End Point Adjust

Select Point

□< First | < Prev | 1 | Next > | Last >□
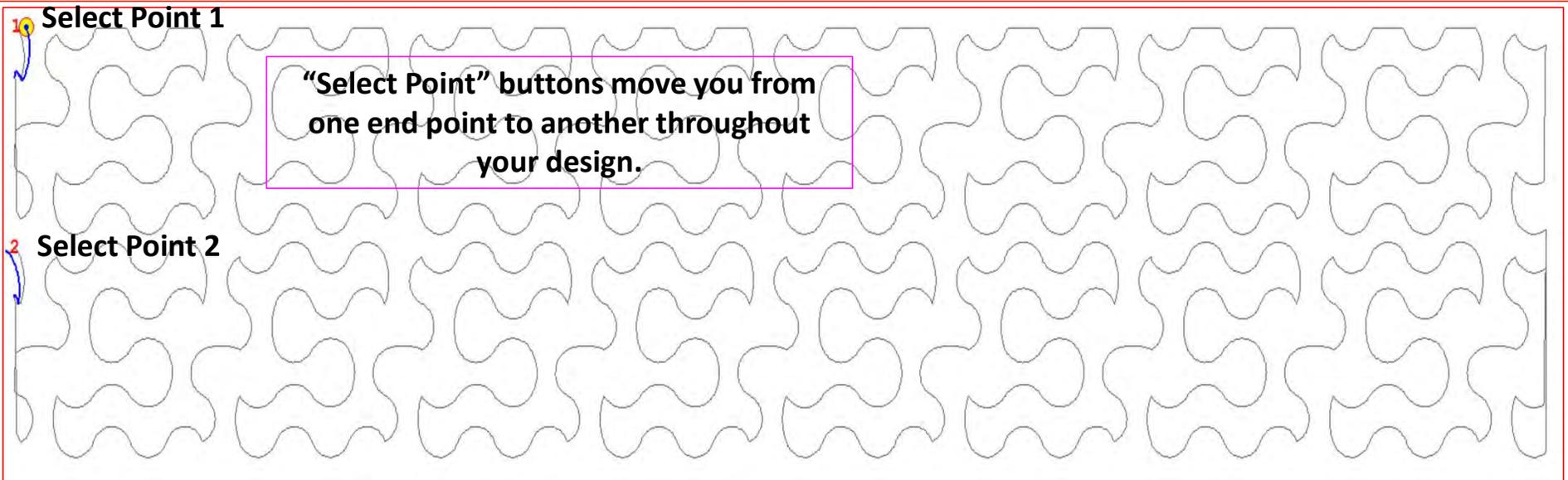
☑ Show Selected   ☑ Auto Move

Adjust Point

○ Small Steps
○ Medium Steps
● Large Steps

Reset Current

Reset All

Cancel   OK

Zone 1 find the end points

Zone 2 find the end points
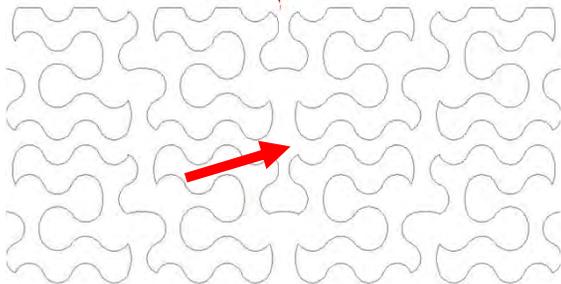
"Adjust Point" buttons help you adjust the end point of last zone with the beginning point of a new zone. To adjust the end point click on the "Nudge Arrows" the direction you need it adjusted use small, medium or large steps to match up the end point to the start point. Matching up the points as close as possible will help your design look like one continuous design. Use the "Reset" to undo adjustments.

Pantograph Power Panto Mode

Zone Utils

End Point Adjust

Select Point

First | Prev | 1 | Next | Last

☑ Show Selected   ☑ Auto Move

Adjust Point

○ Small Steps
○ Medium Steps
● Large Steps

Reset Current

Reset All

? | Cancel | OK

"Zoom In" Enlarges your design to help you with accuracy on your adjustments.

Zone Placement

Takes you back to the Quilting Interface screen.
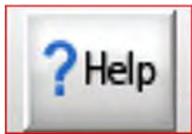
Pantograph Power Panto Mode

?Help

inForm   Help   Tutorials   Tips   🔍   ☐ In Context   ✖

Help Topics

Tutorials

Click on "Help Topics," "Tutorials," "Settings" or "Self Test" to get additional help.

Settings

Self Test

There are no available items.

Pantograph Power Panto Mode

? Help
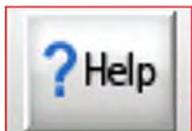
Name	Date modified	Type	Size
B&C	8/17/2016 11:18 AM	Adobe Acrobat D...	16,578 KB
Downloading Gold Subscription Patter...	10/21/2019 10:36 AM	Adobe Acrobat D...	1,942 KB
Hoop frame Zone Placement	12/4/2019 12:33 PM	Adobe Acrobat D...	1,783 KB
PantoStacker	8/17/2016 11:19 AM	Adobe Acrobat D...	15,591 KB
PatternCAD	8/17/2016 11:19 AM	Adobe Acrobat D...	10,036 KB
Plug-ins	8/17/2016 11:17 AM	Adobe Acrobat D...	4,171 KB
Print and Record	8/17/2016 11:18 AM	Adobe Acrobat D...	2,529 KB
Quick Guide for Center Placement Bet...	11/11/2019 3:53 PM	Adobe Acrobat D...	712 KB
QuiltCAD	8/17/2016 11:20 AM	Adobe Acrobat D...	1,770 KB
QuiltingInterface	8/17/2016 11:19 AM	Adobe Acrobat D...	5,243 KB
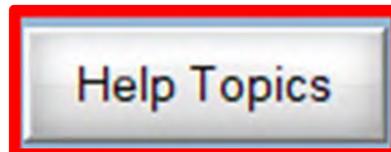
Help Topics

Here are all the "Help Topics" (with more to come).

| Name	Date modified	Type
Hoop frame Zone Placement	11/25/2019 4:29 PM	Adobe Acrobat D...
QCT5 Batch Import Tutorial	10/18/2019 9:39 AM	Adobe Acrobat D...
QCT5 Beginnings Nested Panto Tutori...	10/18/2019 8:29 AM	Adobe Acrobat D...
QCT5 Beginnings Non-nested Panto T...	10/18/2019 8:29 AM	Adobe Acrobat D...
QCT5 Beginnings_Panto Upgrade Info ...	10/18/2019 8:29 AM	Adobe Acrobat D...
QCT5 Block Pattern_Power Placement	10/18/2019 8:29 AM	Adobe Acrobat D...
QCT5 Downloading Gold Subscription...	10/21/2019 10:36 AM	Adobe Acrobat D...
QCT5 Gold Access Borders and Corner...	11/12/2019 9:47 AM	Adobe Acrobat D...
QCT5 Gold Access Pattern eClipse	1/8/2020 10:04 AM	Adobe Acrobat D...
QCT5 Pro Power Panto	10/18/2019 8:29 AM	Adobe Acrobat D...
Quick Guide for Center Placement Bet...	11/11/2019 3:53 PM	Adobe Acrobat D...

Tutorials

Here are all the "Tutorials" (also with more to come).

138

Pantograph Power Panto Mode

?Help
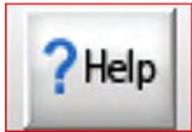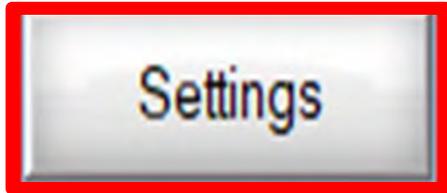
Settings

Change frames, machines, and safe area. For more details Click on the Setting.

Settings

Quilting Frame
Style: Rolling-Rail   [Change] [?]

Changing the Quilting Frame Style will close the program.

Sewing Machine Model
Name: Q'nique: 19   [Change]
Folder: 9_1-1   [?]

Changing the Sewing Machine Model in the Quilting Interface will close the Interface.

Safe Area
Width: 90   [Change]
Depth: 30   [?]

Changing the Safe Area will return PantoStacker, Power Placement , Borders & Corners and the Quilting Interface to the Home Screen.

Zone Scale
Width: 100%   [Change]
Height: 90%   [?]

Changing the Zone Scale Numbers in the Quilting Interface will close the Interface.

[Reset 'Do Not Shows']   [OK]   Warnings

Motion Control Self Test

Motors and Encoders
Motor | Disengaged

X:
Y:

Encoder

X:
Y:

[Run Test]

Sewing

[Start Sewing]

Move
Cycles
1
1

(•) Y
( ) X
( ) Perimeter
( ) Criss-Cross

[Go]
[Stop]

[Exit Self Tests]

Motor Port: 0

Self Test

Pantograph Power Panto Mode

Help

Self Test

Run a "Self Test" to find the source of a problem.

Engages and disengages the carriage motors.

Reads and displays the encoders' positions.

Moves the carriage, then reads and displays the motor and encoder positions.

Runs test to sew a small rectangle.

This Self Test tool performs simple tests to check if the motors, encoders, and sewing is working.

Motion Control Self Test

Motors and Encoders
Motor   Disengaged
X: (motor
Y: postion)
Encoder
X: (encoder
Y: position)
Run Test

Sewing
Start Sewing

Move
Cycles
1
1
○ Y
◉ X
○ Perimeter
○ Criss-Cross
Go
Stop

Exit Self Tests

Motor Port: 0

Selects how many times to run the motion tests below:

Y: Tests moving the machine forward and back.

X: Tests moving the machine to the right and left.

Perimeter: Moves the machine around the Safe Area

Criss-Cross - Moves the machine across the Safe Area diagonals.

Starts running the selected tests for how many cycles are selected.

Stops the running of the tests (if the cycles are not done)

Pantograph Power Panto Mode

Turn back to page 33 to learn about options.

Pantograph Power Panto Mode

Plug-ins

Plugins

Marking Tool

The "Marking Tool" is one of the best tools to use when placing a design onto your quilt. With the "Marking Tool" you can reference start points and endpoints on the design which enables you to connect to the next design and make it look like one seamless pantograph design. Discover how to use the "Marking Tool."

Marking tool

You can find this awesome feature a couple of places on your screen.

1. The Plug-ins button/icon is at the top right corner of your screen.

2. Inside the Toolbox on the Power Placement screen for Select & Sew.
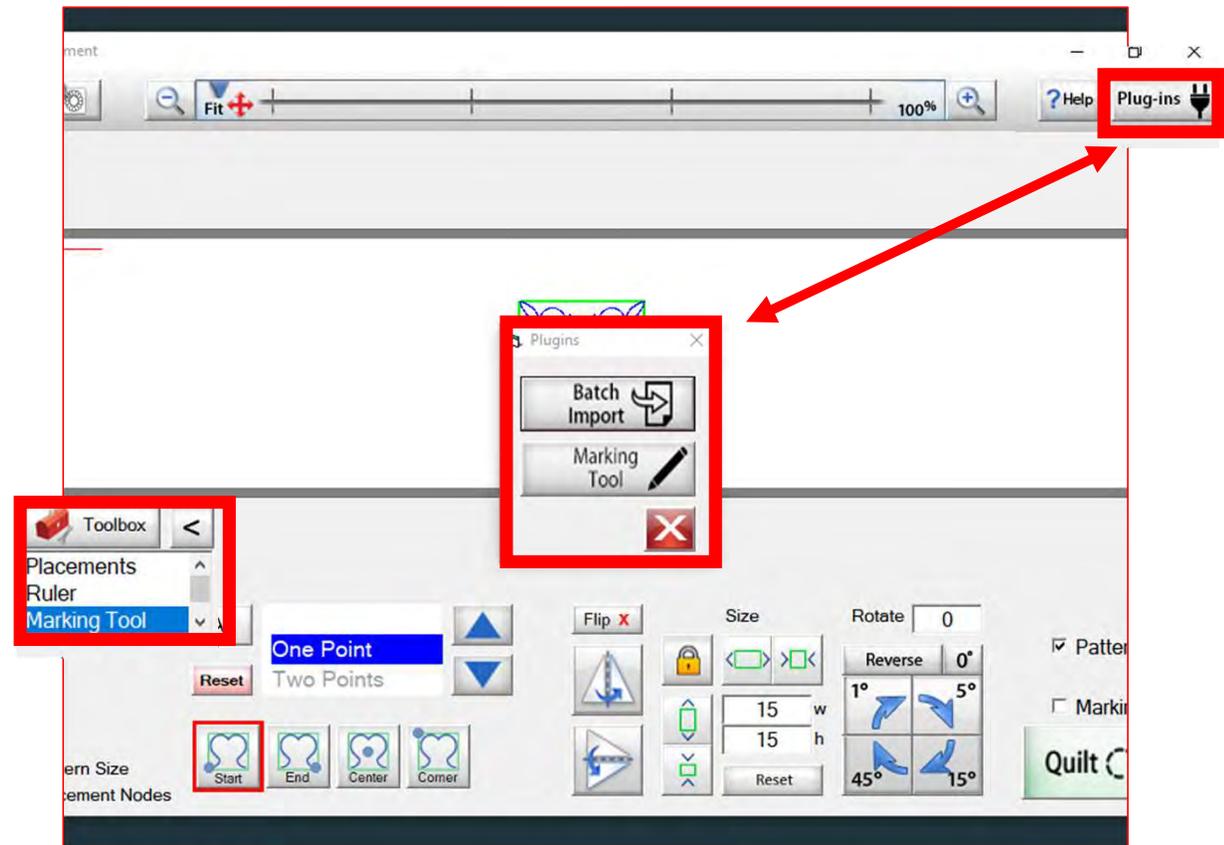
Explore how the marking tool will help you place your design precisely inside your block using the marking tool.

Marking tool continued. . .

Marking tool helps you draw around your block so you can see on your tablet screen how well you placed your design on your block.
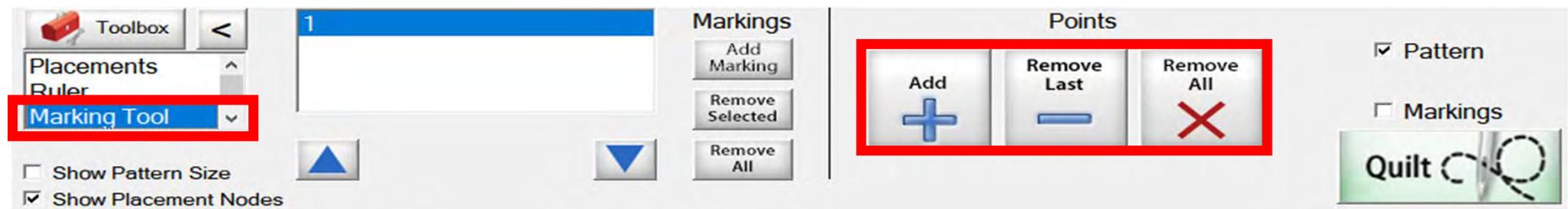
Quilt block with design placement outside of block.
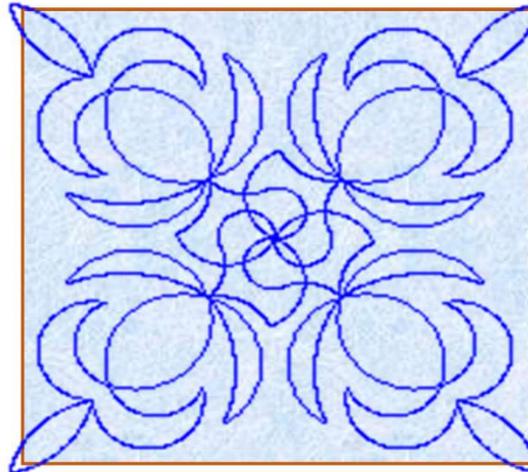
Quilt block with new placement of design inside the block.

144

Marking tool continued. . .
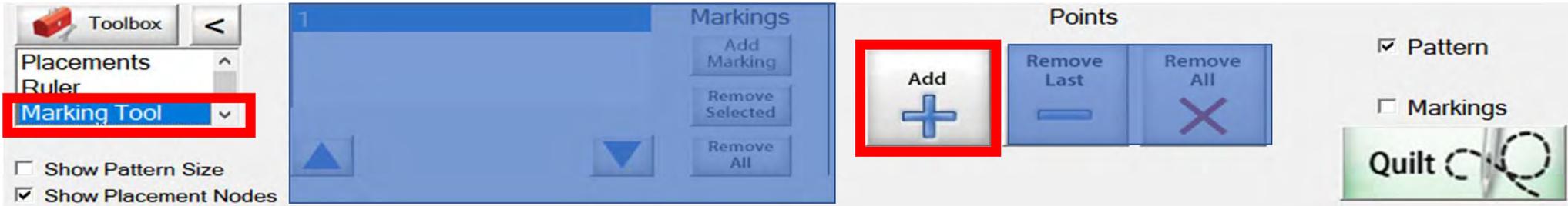
Quilt Block

Move machine to next marking point click on "Add +" button

Move machine to first marking point and Click "Add +" button

"Add +"
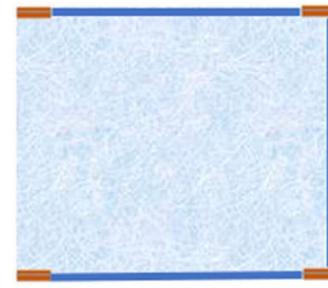
"Add +"
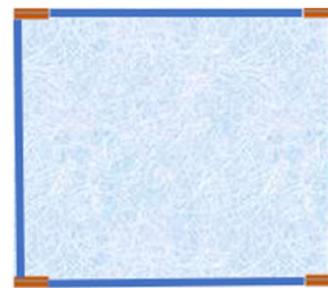
Marking tool continued. . .
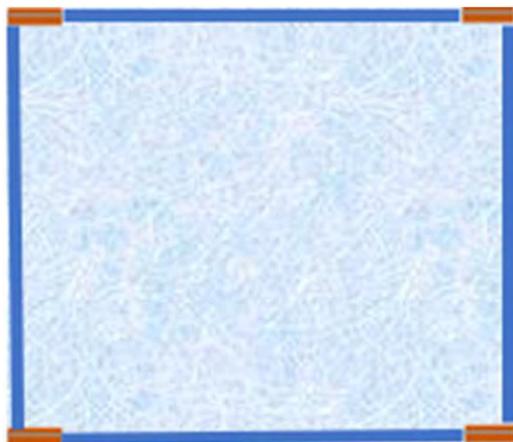
"Remove Last" removes previous mark

"Remove All" removes all your marks

Marking tool continued. . .

*Notice the design will quilt outside my block

Corner node

*I re-placed my corner node to shift my design, now you can see it will sew inside my block.
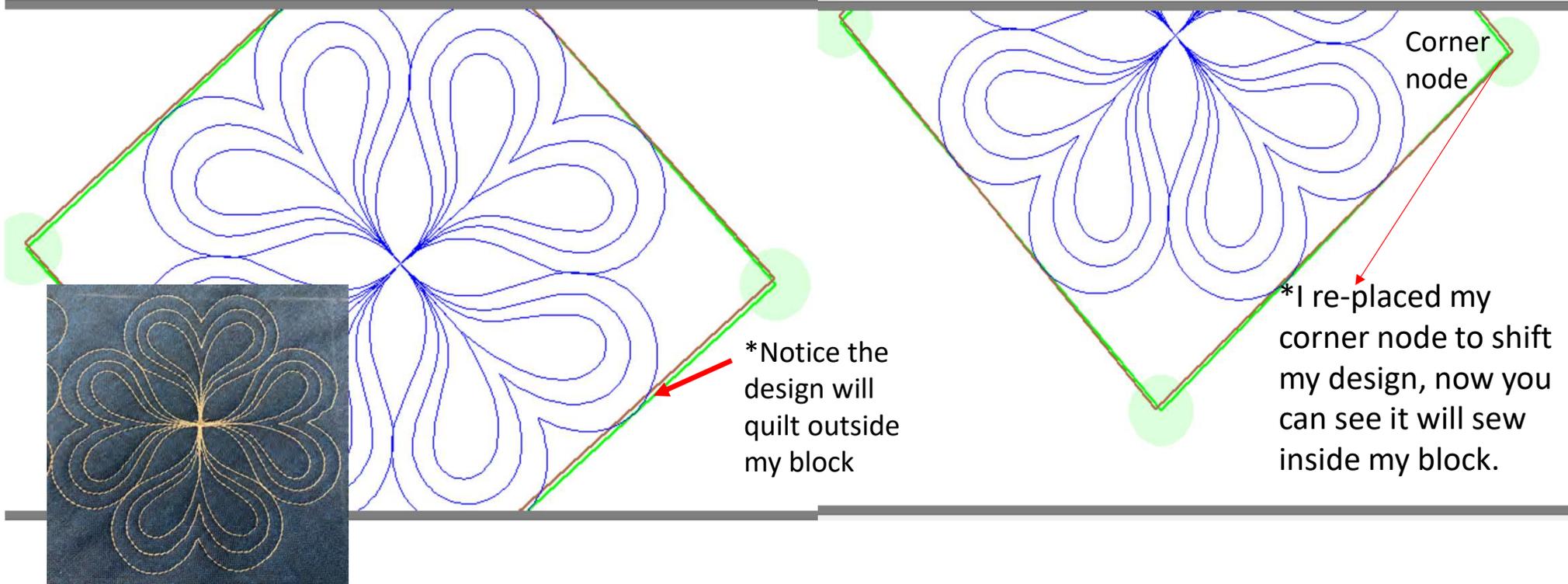
Screen shot of "Marking Tool" to place your design inside the block so it won't sew outside your block seams boundary.

Marking tool continued. . .
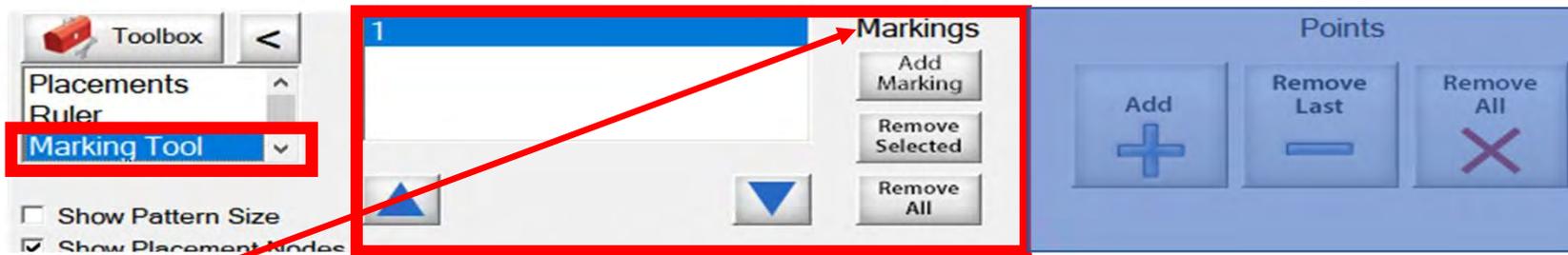
"Markings" will place "Marks" not lines around your block (➖)

Quilt Block
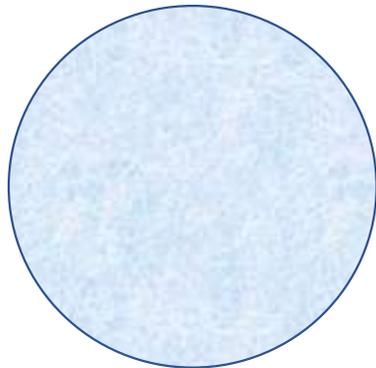
Decide how many placement marks you would like around your block for demonstration I have chosen 8

Marking tool continued. . .

Add mark (▬) markings around your block
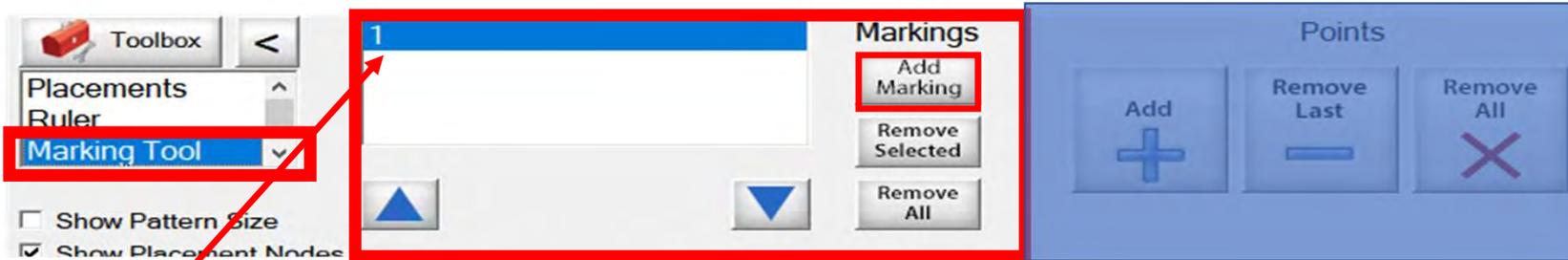
One (1) is preset

"Add Marking" Position

Add mark 2 and so on click on "Add Marking" button the "Touch Keypad" will appear, type the number 2 and select enter.

Continue until you have all your placement marking positions added. (remember I chose 8 positions.)
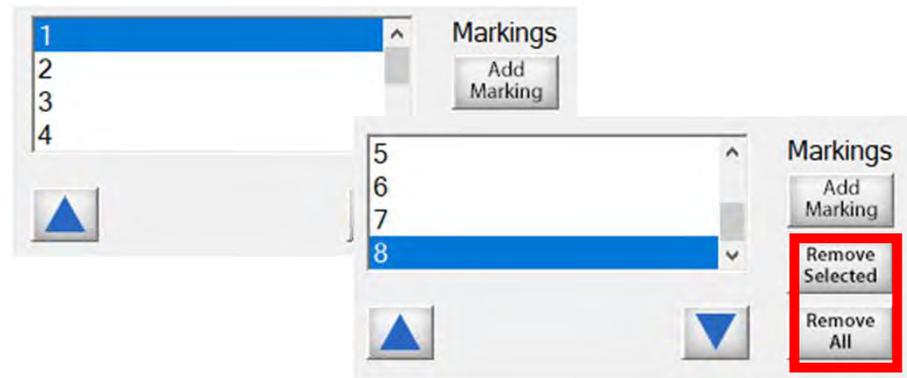
"Remove Selected" or "Remove All"

Marking tool continued. . .

Add mark (—) markings around your block
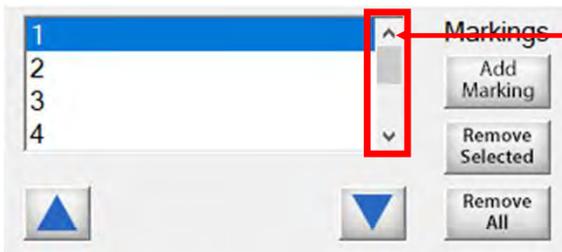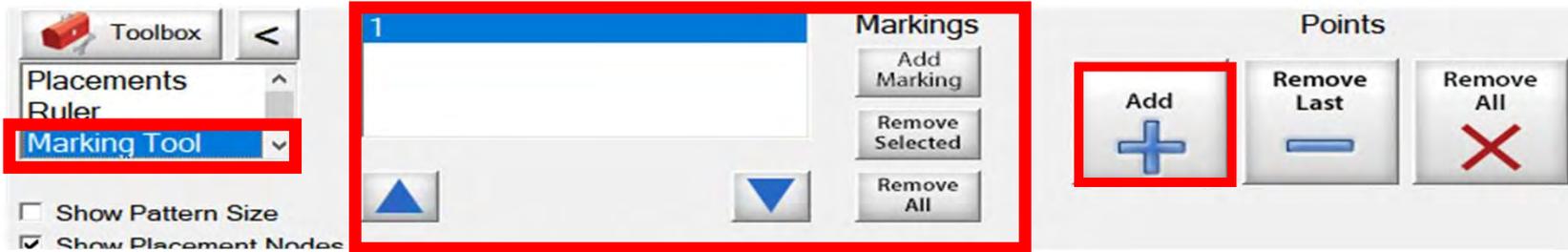
1. Use the arrows to find current position you want to mark.
2. Move your machine to that position on your block.
3. Click on "Add +" button to add marks.
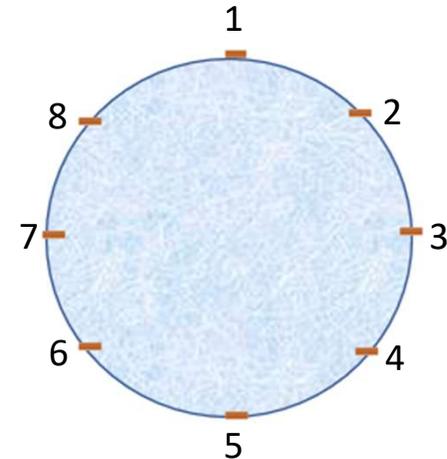
Let's place some marks around our block!

# Marking tool continued. . .

Add mark (━) markings around your block
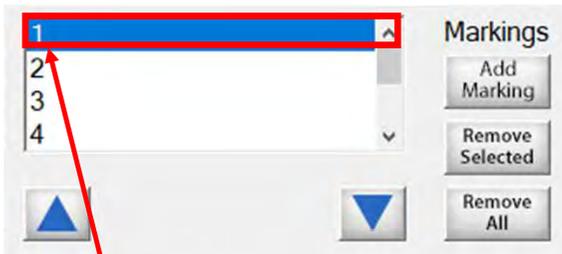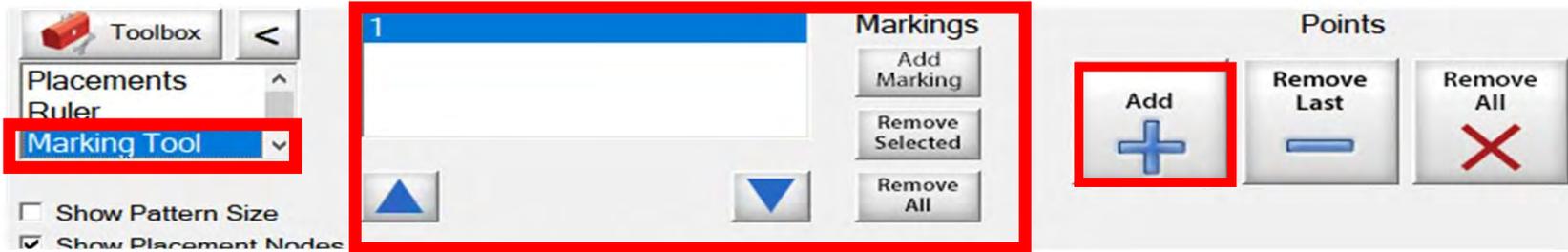
1. "Markings" Position 1 first mark, use arrow tabs or tap on each position.

2. Move machine to position 1 on your block. You must be on what ever position you are placing in the placement marking screen.
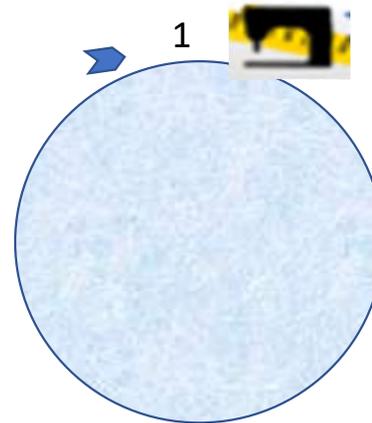
3. Click on "Add +"button to add mark.

Marking tool continued. . .

Add mark (━) markings around your block
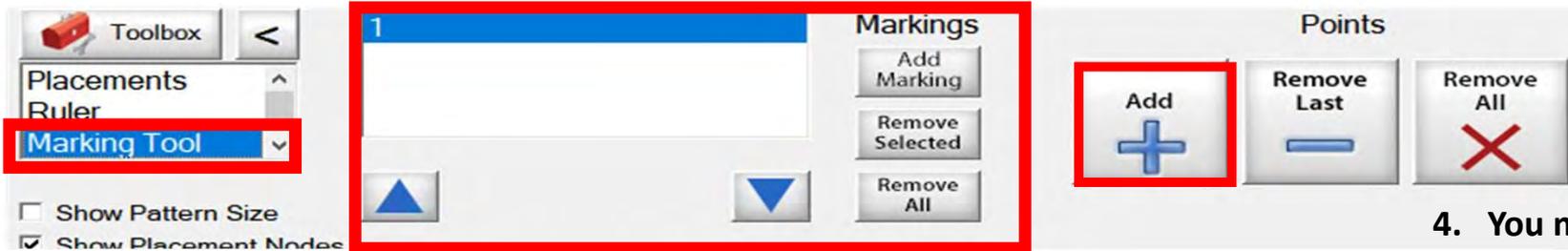
4. **You must change the marking position to (3) before you can move machine and click "Add +" to place the next mark and sew fourth.**
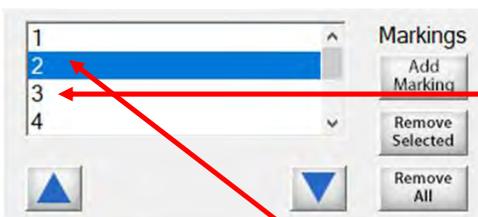
1. **Tap on position (2) or scroll down using arrow to move to the new marking position on the screen.**

2. **Move machine to position 2 on your quilt block.**
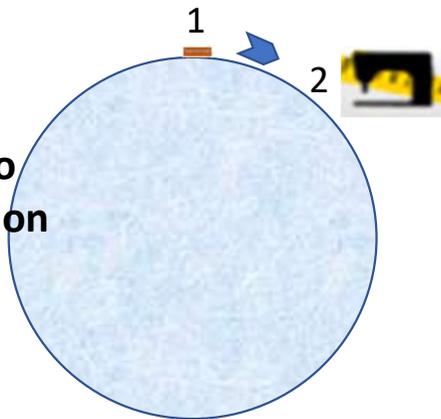
3. **Click on "Add +"button to add mark.**
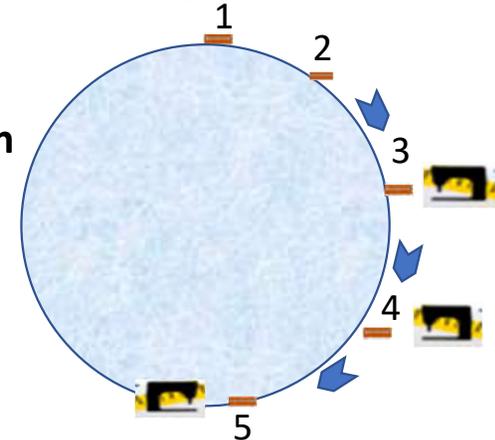
Marking tool continued. . . Add mark (—) markings around your block
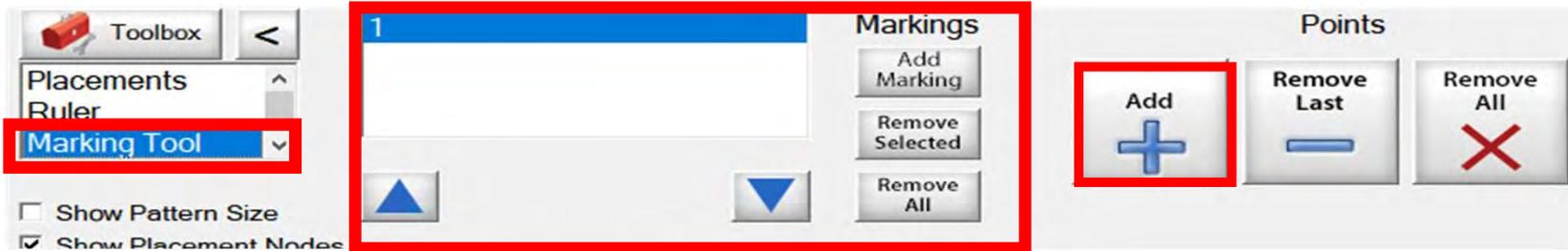
Quilting block with design placement outside the block
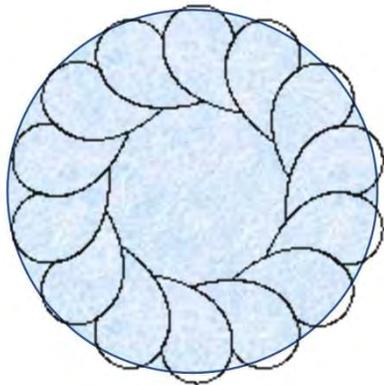
Quilt block reposition with markings design is now placed inside the block.
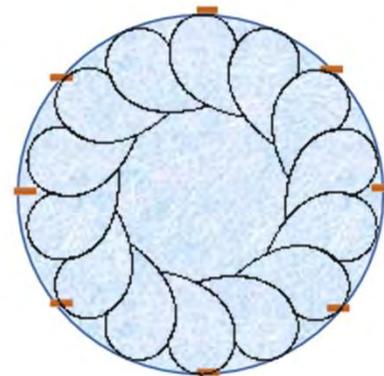
Marking tool continued. . . Add mark (⊟) markings around your block

Center node

*I moved my machine to center of my block tapped on the center node of design to place design inside my (8) marks around my block.
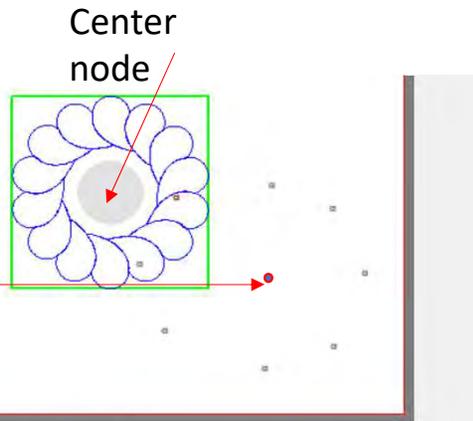
*Notice the design will quilt outside my block
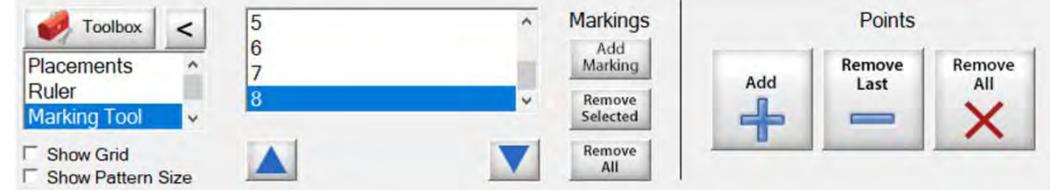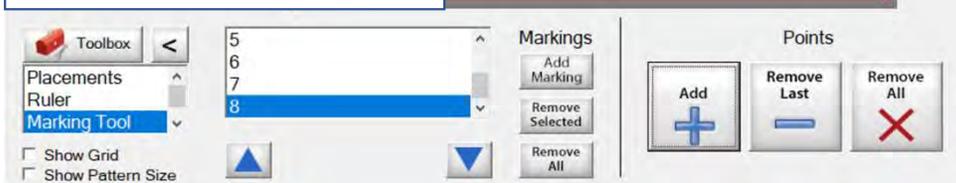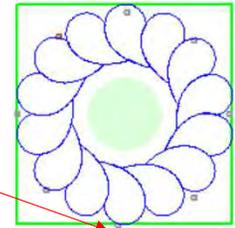
Screen shot of "Markings" to place your design inside the block, so it won't sew outside your block seams boundary. . .

Marking tool continued. . . Add mark (—) markings around your block
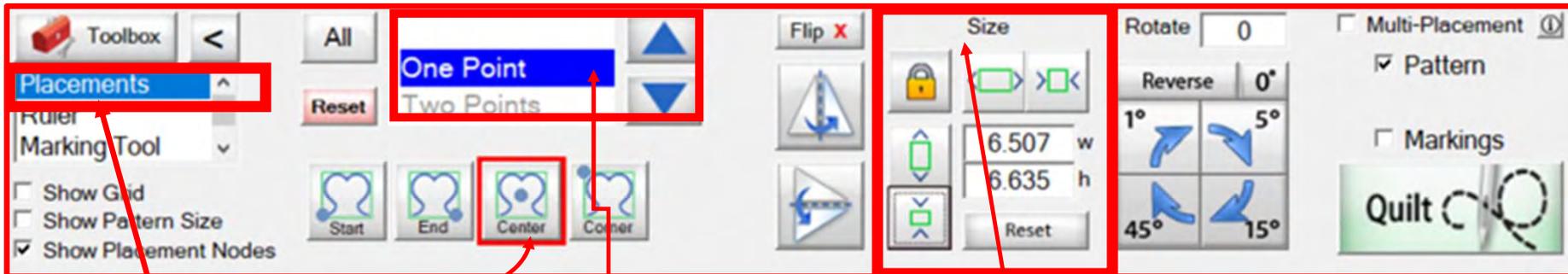
Change from "Marking Tool" in Toolbox to "Placement"

Change to "One Point" "Center" placement

Center placement Node
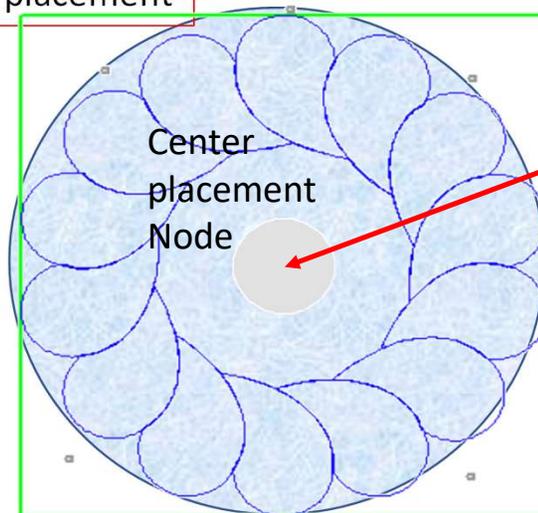
Place design in the center of your block using the placement node. Notice it is just outside the block, use the "Center Placement Node" along with the "Size". You will want to keep it locked to have it size in proportion. Size it in if to large or size it out if to small. Make the adjustments to get the right size and fit.

Marking tool continued. . . Add mark (▭) markings around your block

Placed & adjusted design
on block

Sewed design on block

Quilted design
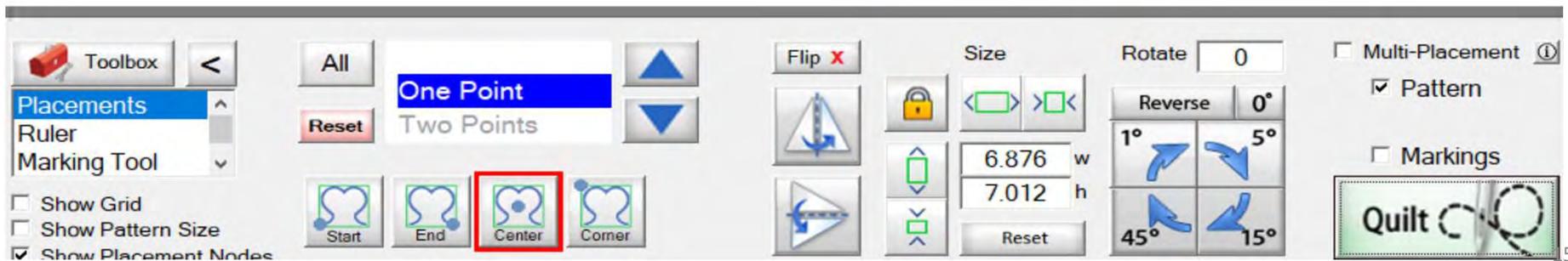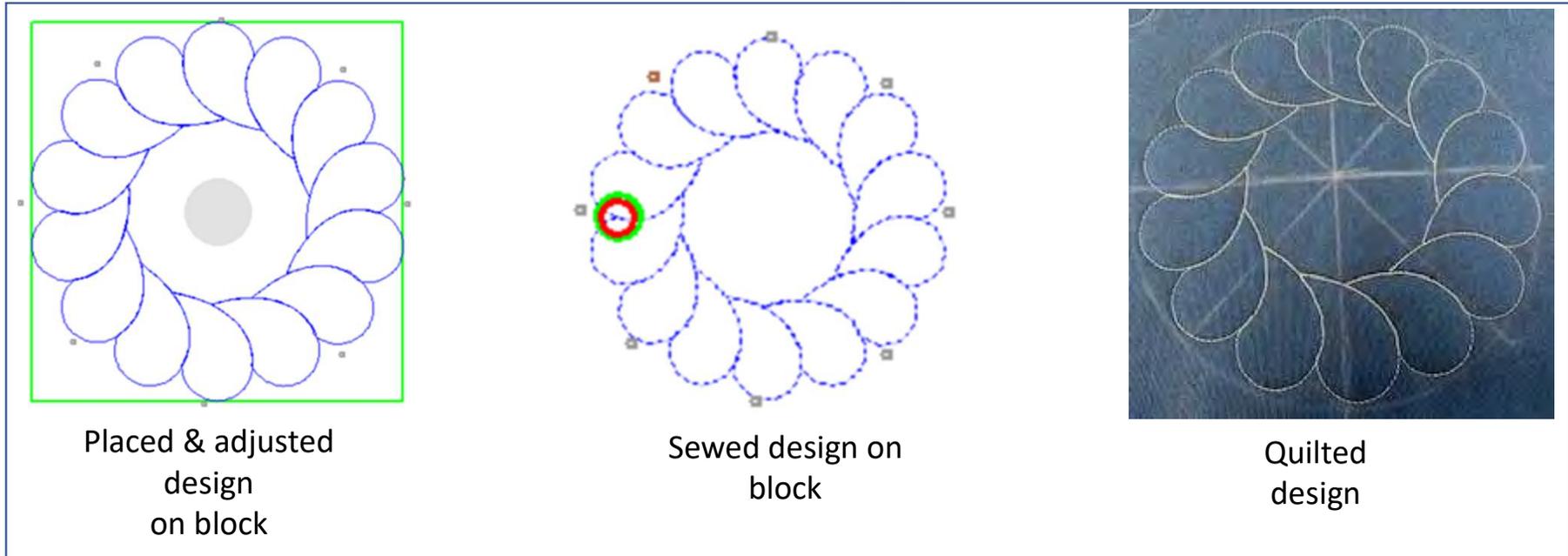
CHOOSING A PLACEMENT METHOD
Let me show when to "PLACE AS A SINGLE PATTERN"
and when to "SEW IN ZONES."

VS

Place as
a Single
Pattern

Use "Place as a Single Pattern" if you are quilting a Border, Border sashing, or a block you have on your quilt that you want to put a pantograph design in.

PANTOGRAPH SEWED ACROSS SEVERAL BLOCKS

SASHING PANTOGRAPH

BORDER PANTOGRAPH
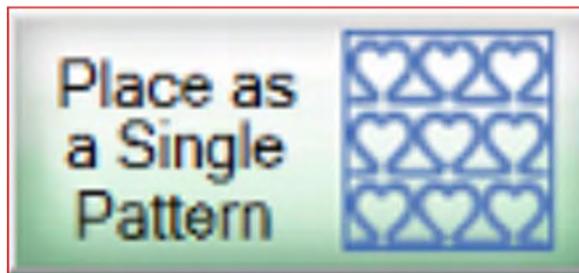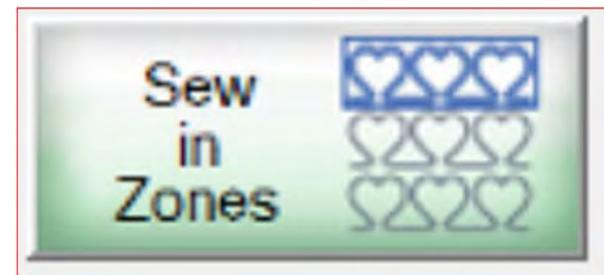
"Sew in Zones" is the perfect method for quilting an "edge-to-edge" pantograph. The "Zone" is the section of the quilt on the top of the frame available for quilting without rolling or repositioning the quilt. On a rolling frame, your zones are from top to bottom determined by the width of your quilt and throat of your machine. Smaller machines will not quilt as far down as a longer throat, so this will increase the amount of zones you will quilt.

Sew in Zones

Zone 1
Zone 2
Zone 3
Zone 4
Zone 5
Zone 6
Zone 7

Rolling frame with small throat machine has more zones

Rolling frame with longer throat machine has fewer zones

Zone 1
Zone 2
Zone 3
Zone 4

159

On a hoop-style frame, a full-sized quilt will have more "Zones than it would on a rolling frame. With the hoop frame, you shift your quilt side-to-side and roll it up to move down your quilt. Depth of the quilt zone is still determined by the machine throat size; the smaller the throat, the greater number of zones.

Sew in Zones

Hoop frame quilt "Zones"

Zone 1 Zone 2

Zone 3 Zone 4

Zone 5 Zone 6

Zone 7 Zone 8

Rolling frame quilt "Zones"

Zone 1

Zone 2

Zone 3

Zone 4

This is an edge-to-edge quilt. The same design is repeated across the entire quilt.

Sew in Zones

Rolling frame quilt "Zones"

Zone 1

Zone 2

Zone 3

Zone 4