BERNINA

Introductions

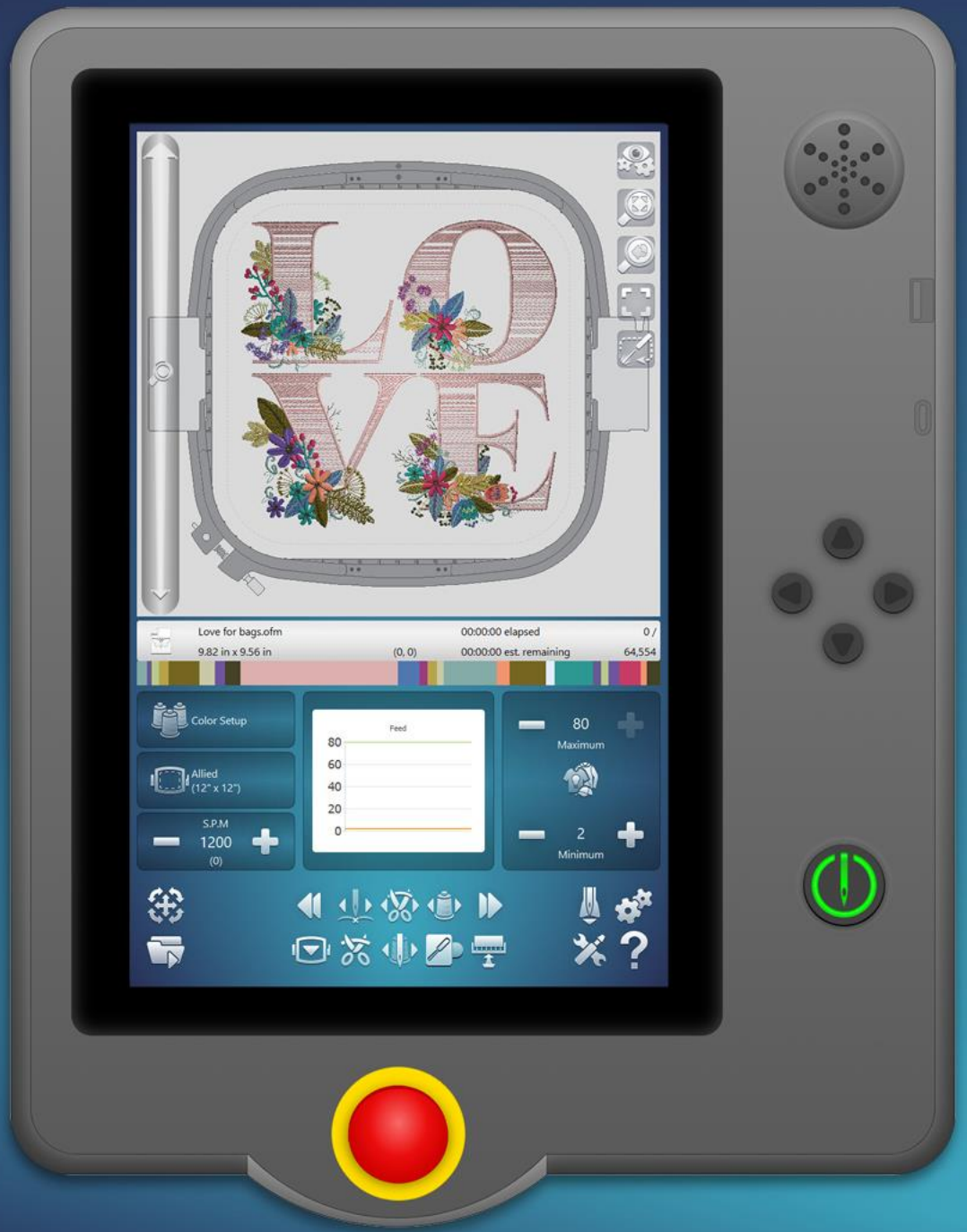
- ☐ Who am I?
- ☐ What is this?

Nate Moore

- In the embroidery industry since 1998
- Been with Melco for 16 years.
- Design is a passion.
- Work closely with the development team to create a new way to interact with the E16.
- Very grateful to be here and present this exciting new product.

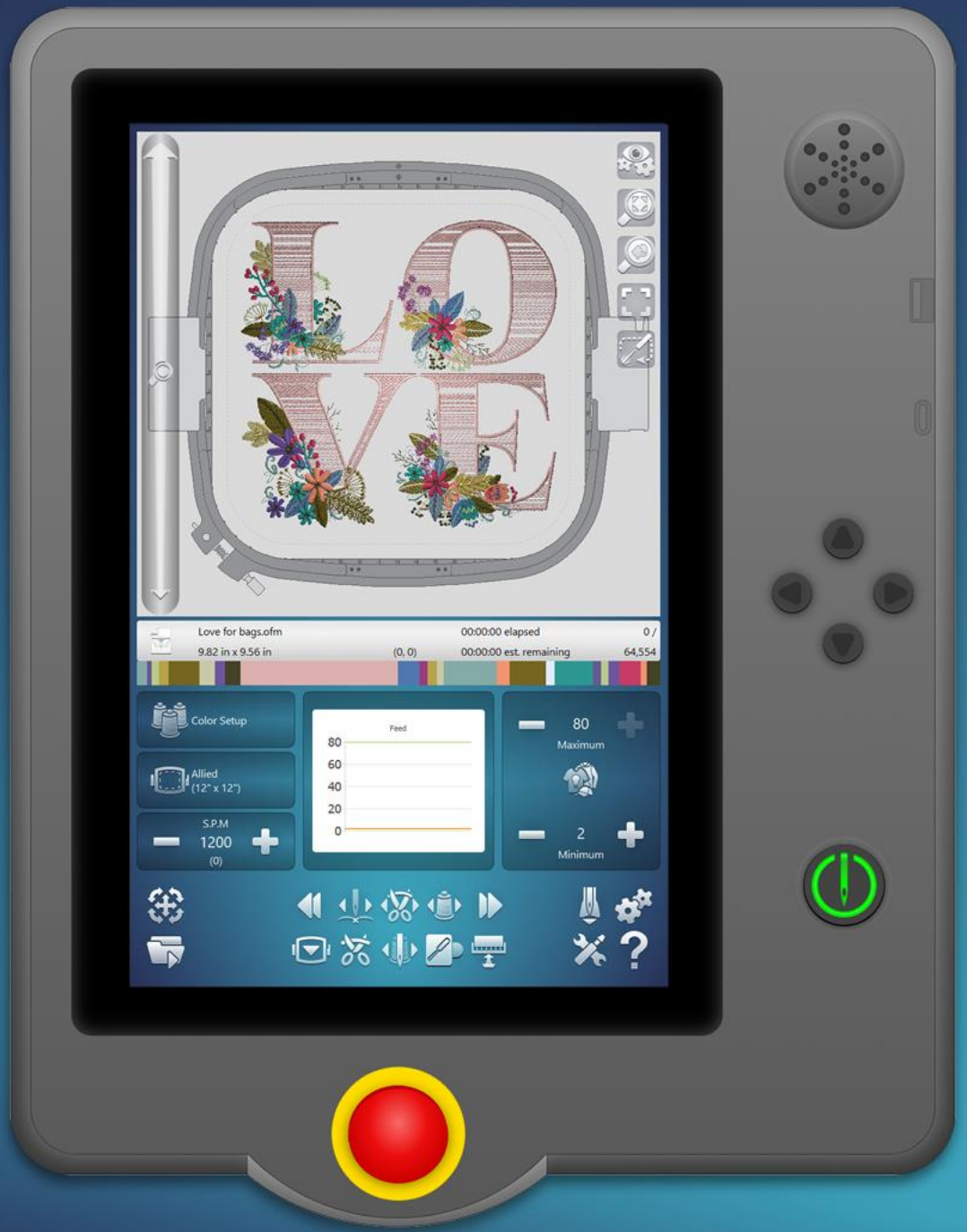
E 16 PRO

- ☑ 16 Needles
- ☑ 16.1" x 15.5" sew field
- ☑ 300-1400 s.p.m. - flats
- ☑ 300-1200 s.p.m. - Wide-Angle Driver
- ☑ Patented Acti-Feed Technology
- ☑ and a Touchscreen Interface!



Quick Screen Overview

- View Window
- Status Bar
- Sew Settings
- Moving Through a Design
- Machine Operations
- Settings
- Maintenance
- Help

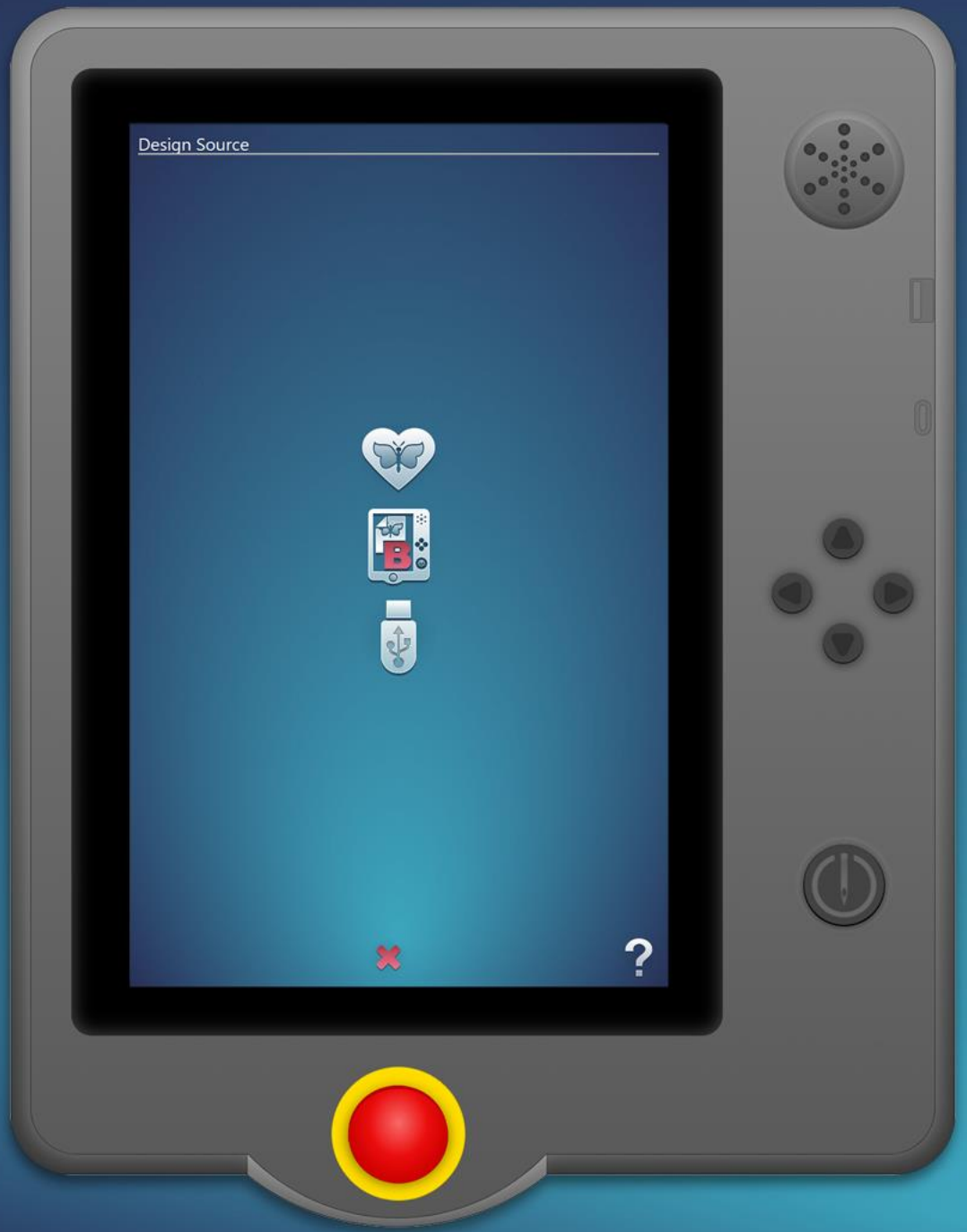


Sewing a Design

- ☐ Load A Design
- ☐ Set the Color Sequence
- ☐ Select the Hoop
- ☐ Set the Speed
- ☐ Adjust Acti-Feed Settings for Fabric
- ☐ Load Product onto the Machine
- ☐ Position Design within Hoop
- ☐ Adjust Presser Foot Height
- ☐ Trace Design
- ☐ SEW!

Loading a Design

- ☐ Tap the Load Design Button
- ☐ Select a Source
- ☐ Navigate to the Design
- ☐ Preview the Design
- ☐ Confirm to Load



Loading a Design

- ☑ Tap the Load Design Button
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  - Local Storage
  - USB
- ☐ Navigate to the Design
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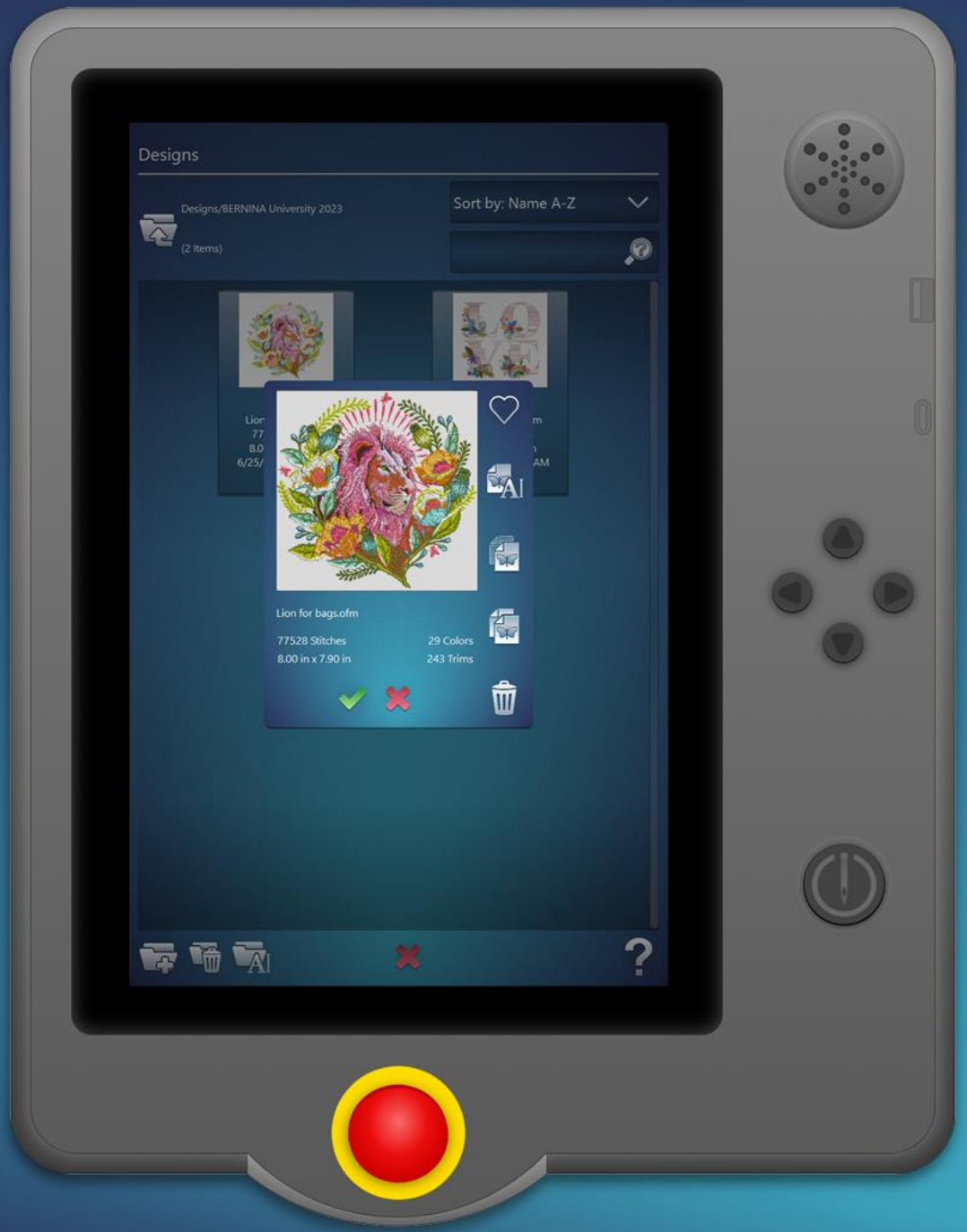
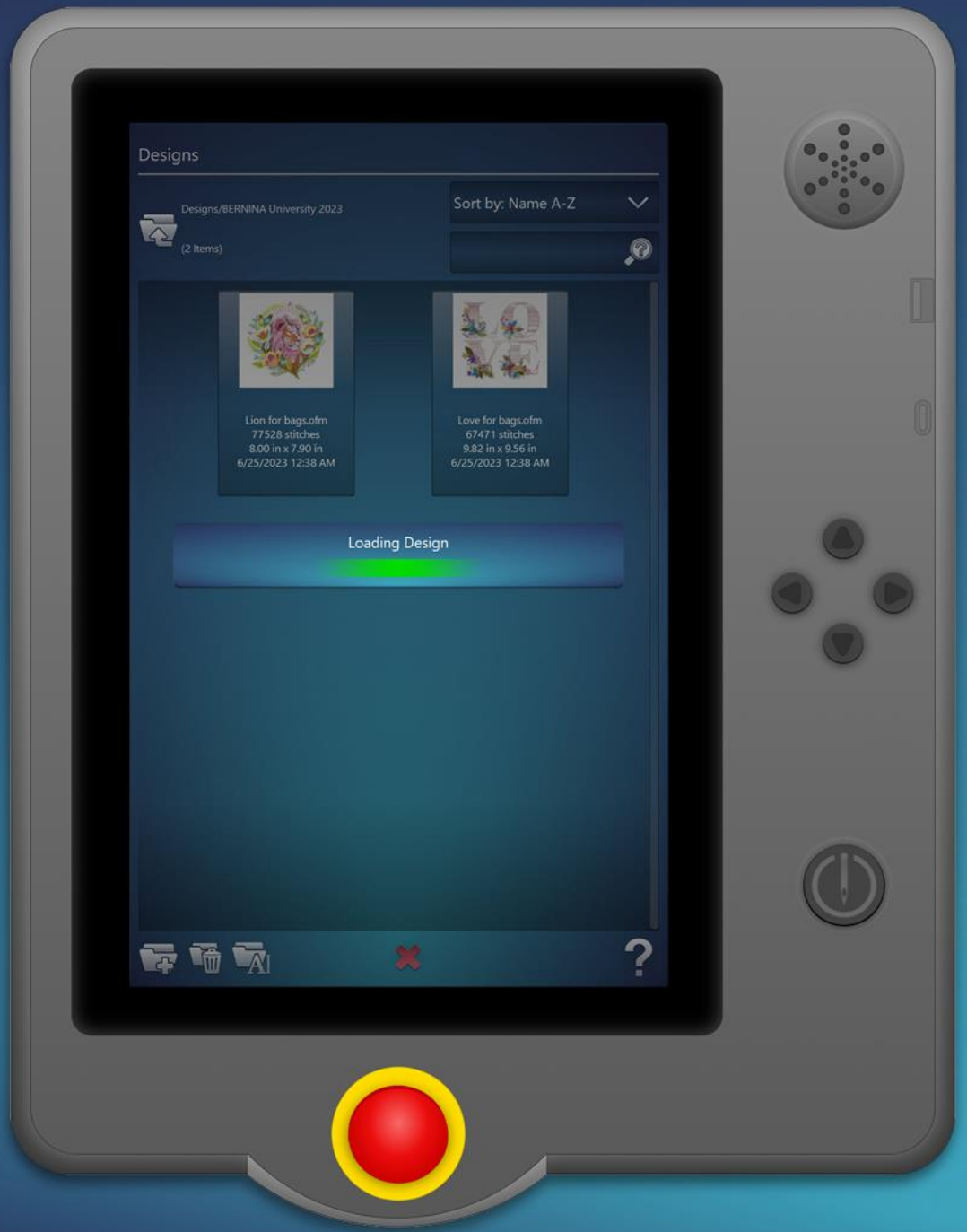


Loading a Design

- ☑ Tap the Load Design Button
- ☑ Select a Source
- ☑ Navigate to the Design
  - OFM (v9+), DST, EXP, & ARTX
- ☑ Preview the Design
- ☑ Design Info
  - Favorite
  - Cut, Copy, Delete
- ☐ Confirm to Load



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- ☑ Select a Source
- ☑ Navigate to the Design
- ☑ Preview the Design
- ☑ Design Info
- ☑ Confirm to Load

Set Color Sequence

- ☐ Tap the Color Sequence Button
- ☐ Set Up Thread Tree
- ☐ Set Color Sequence
- ☐ Add Interrupts or Effects
- ☐ Confirm to Set

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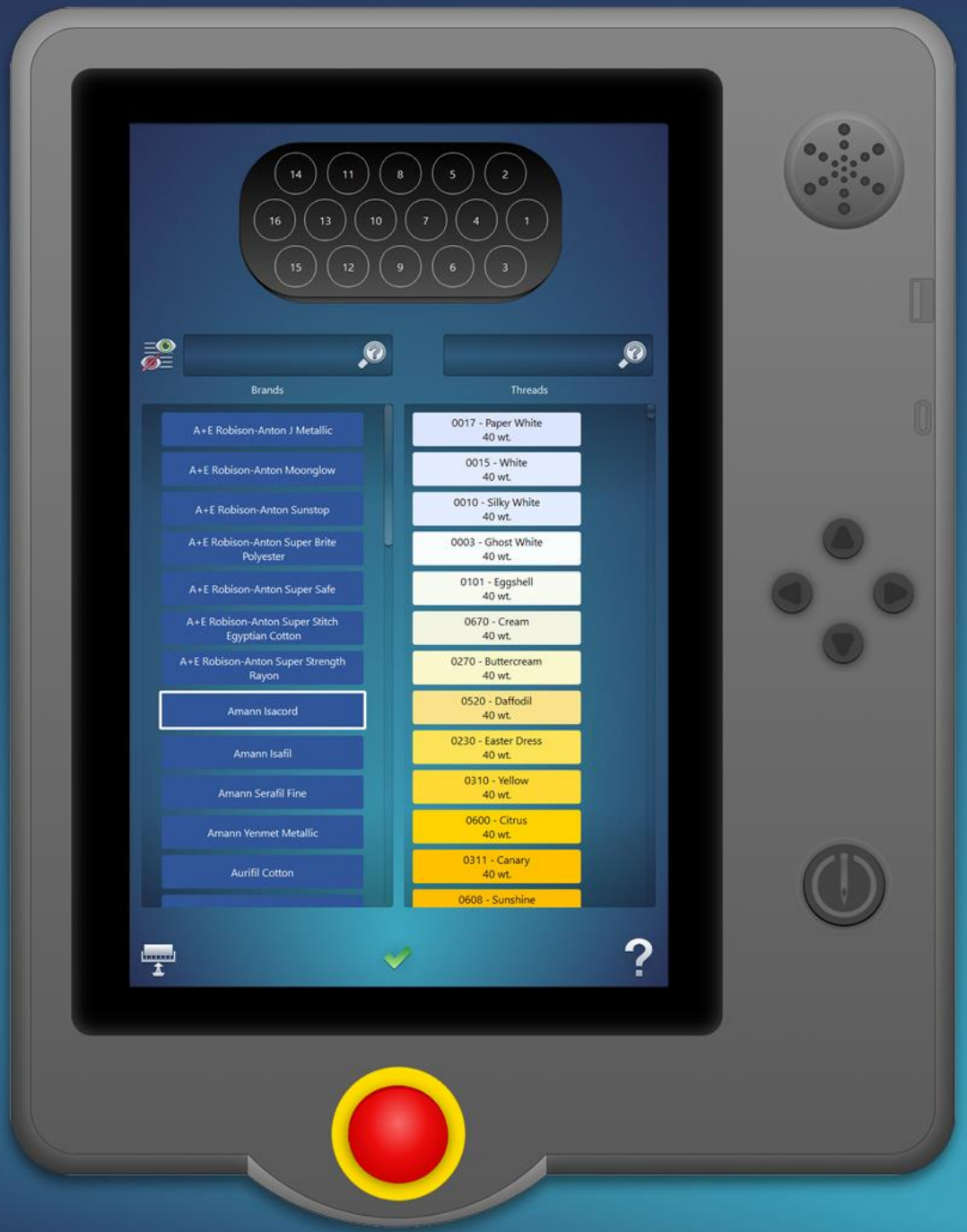

Set Up Thread Tree

- ☑ Tap the Color Sequence Button
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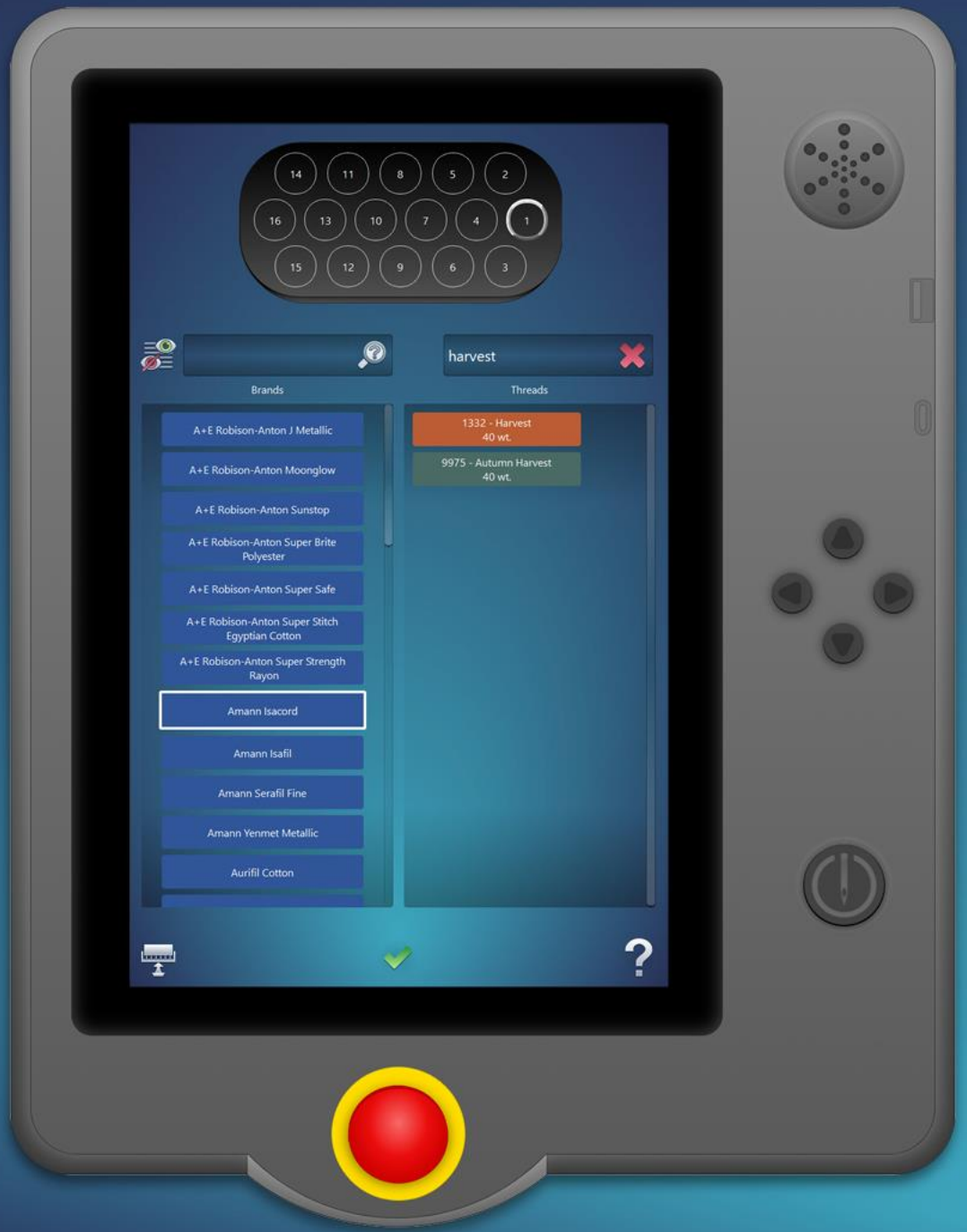

Set Up Thread Tree

- ☑ Tap the Color Sequence Button
- ☐ Set Up Thread Tree
  - Select Needle
  - Search by Name or Number
- ☐ Set Color Sequence
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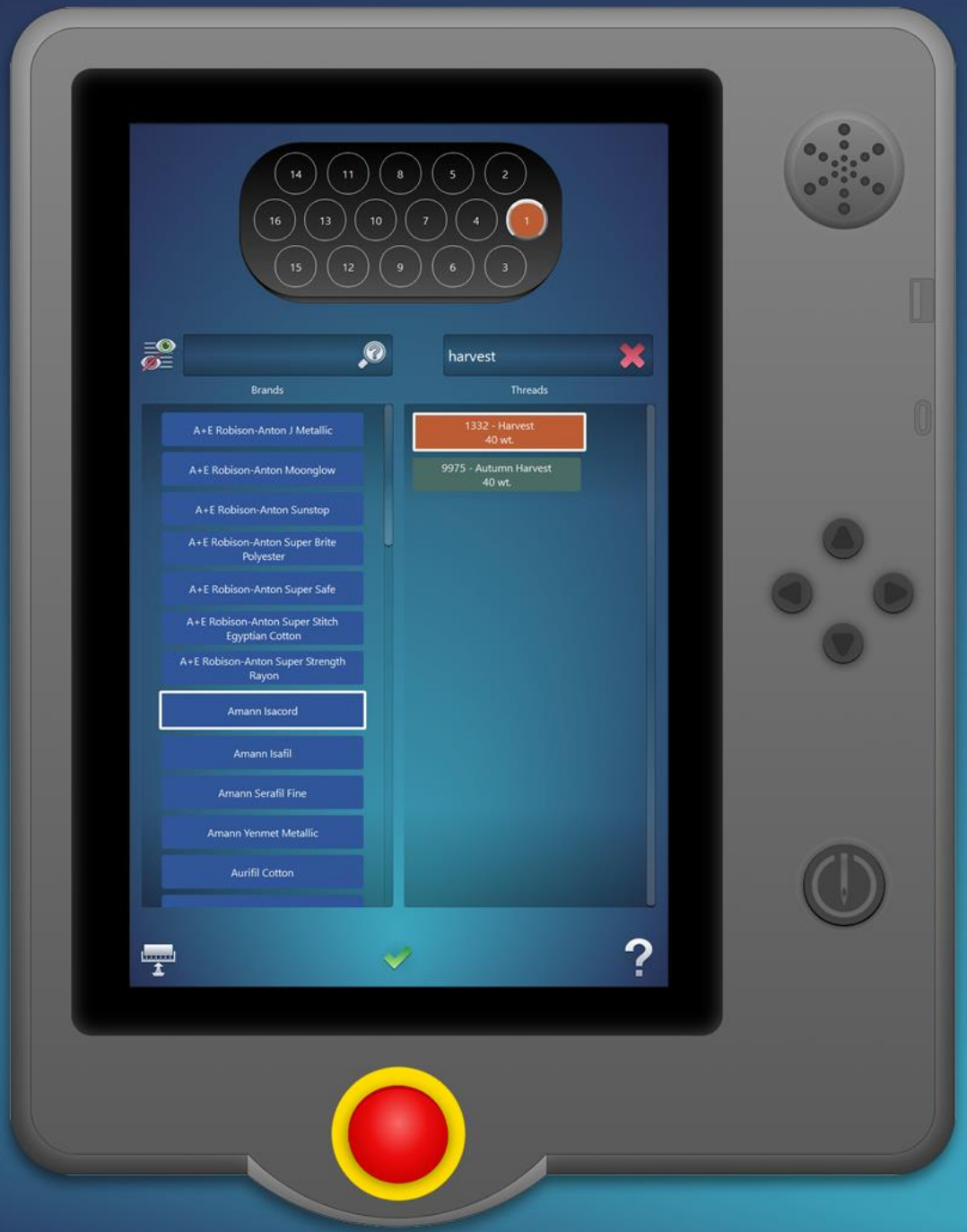

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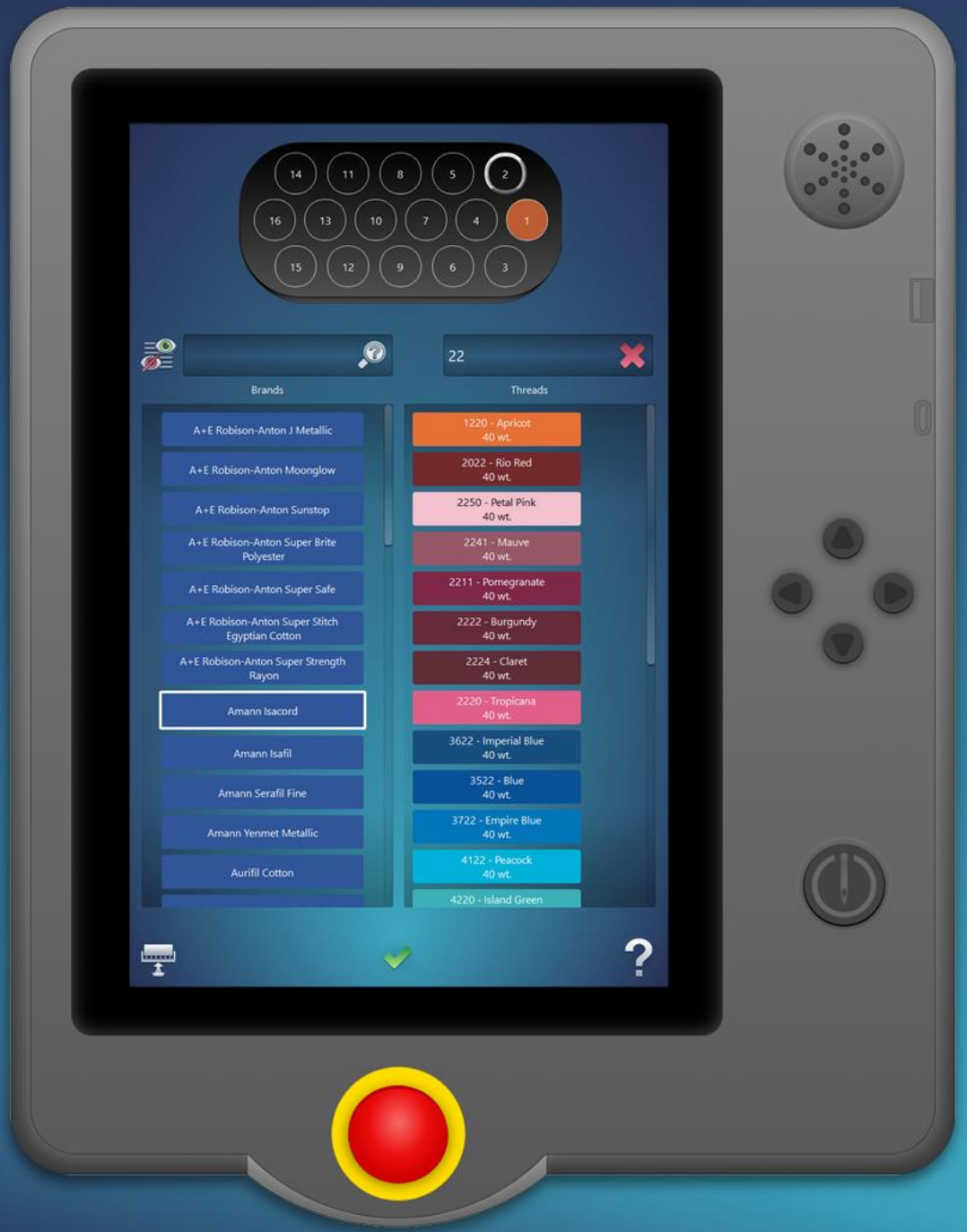

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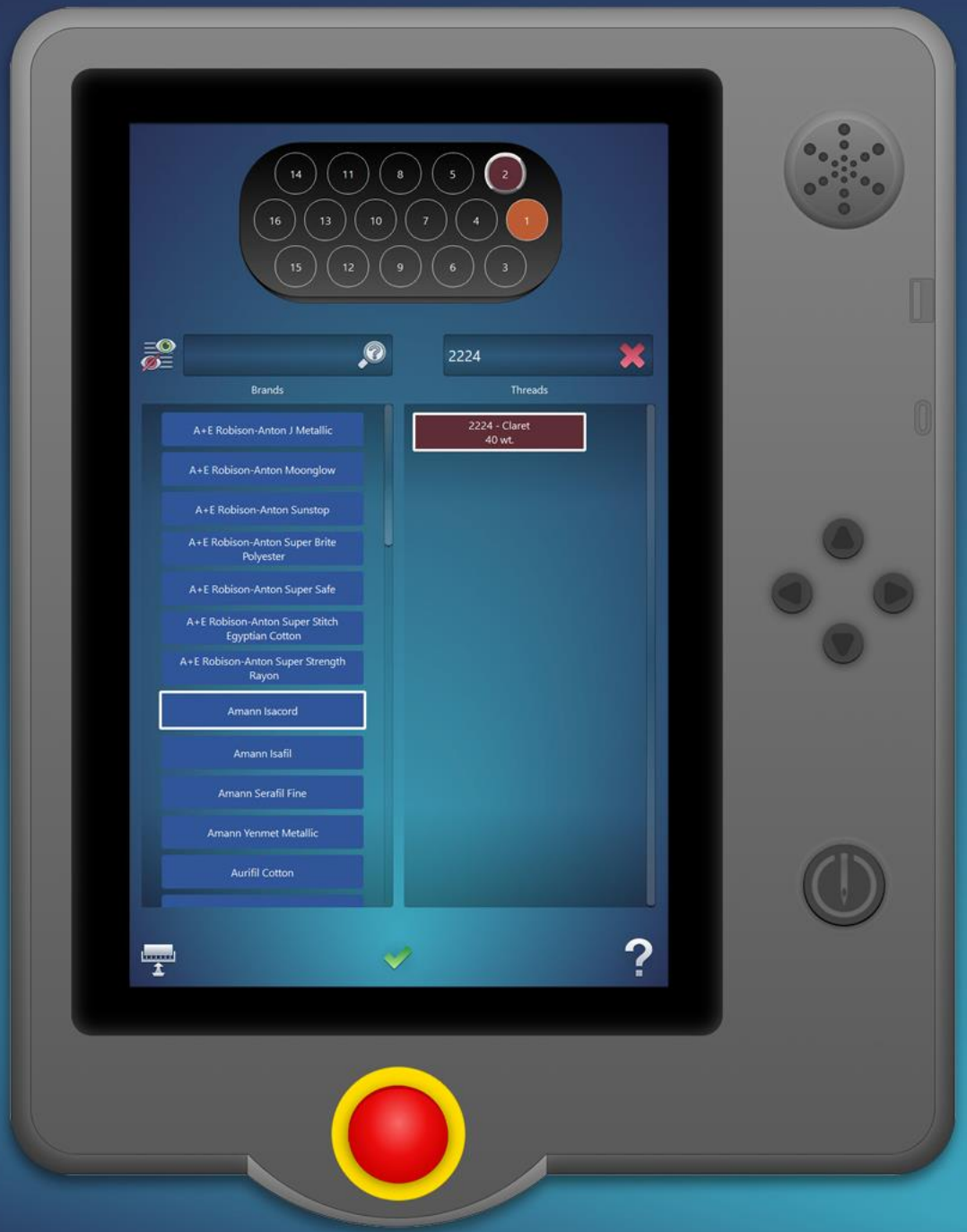

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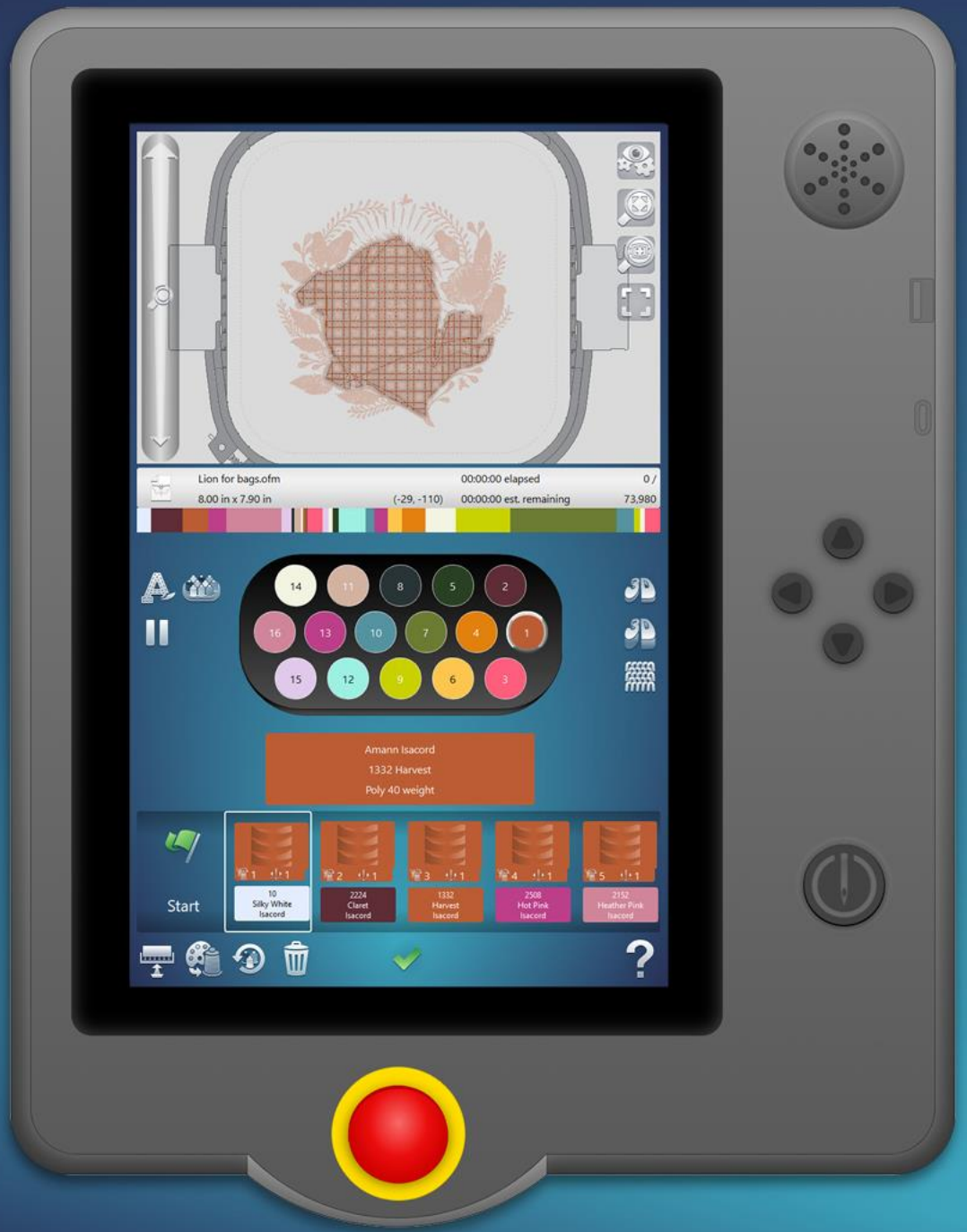
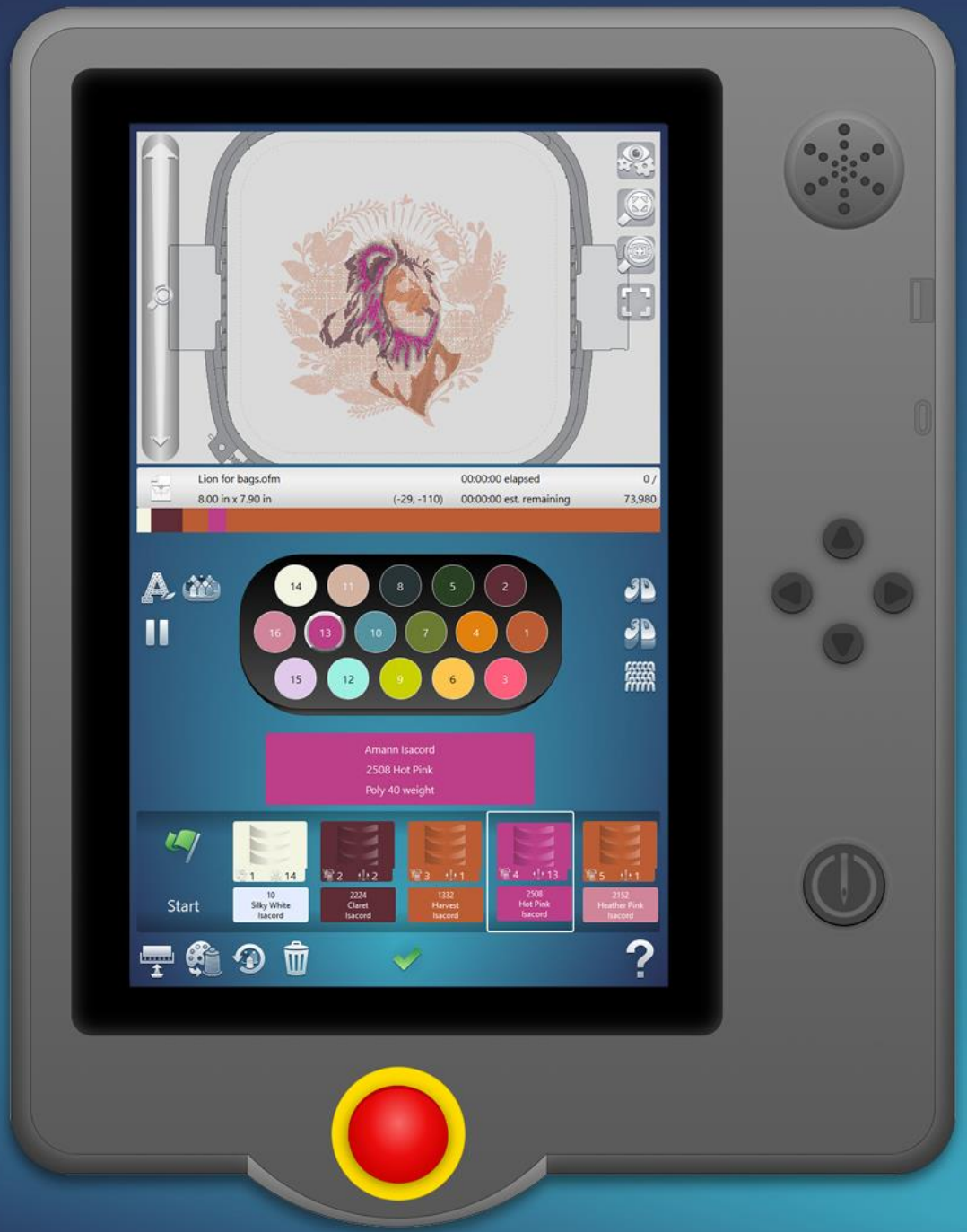


Set Up Thread Tree

- ☑ Tap the Color Sequence Button
- ☑ Set Up Thread Tree
- ☑ Set Color Sequence
  - Select the Color Block
  - Select the Needle
- ☐ Add Interrupts or Effects
- ☐ Confirm to Set



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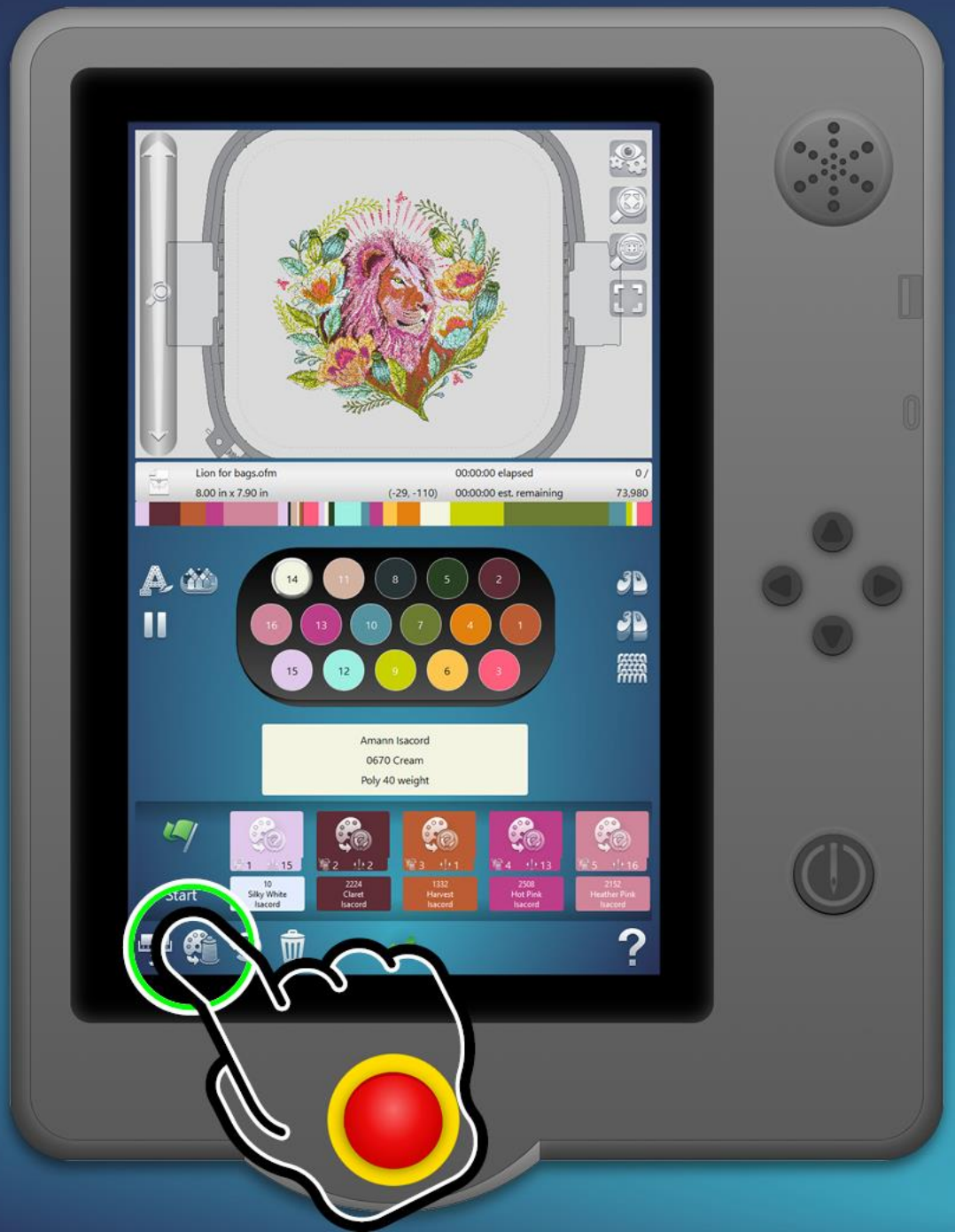
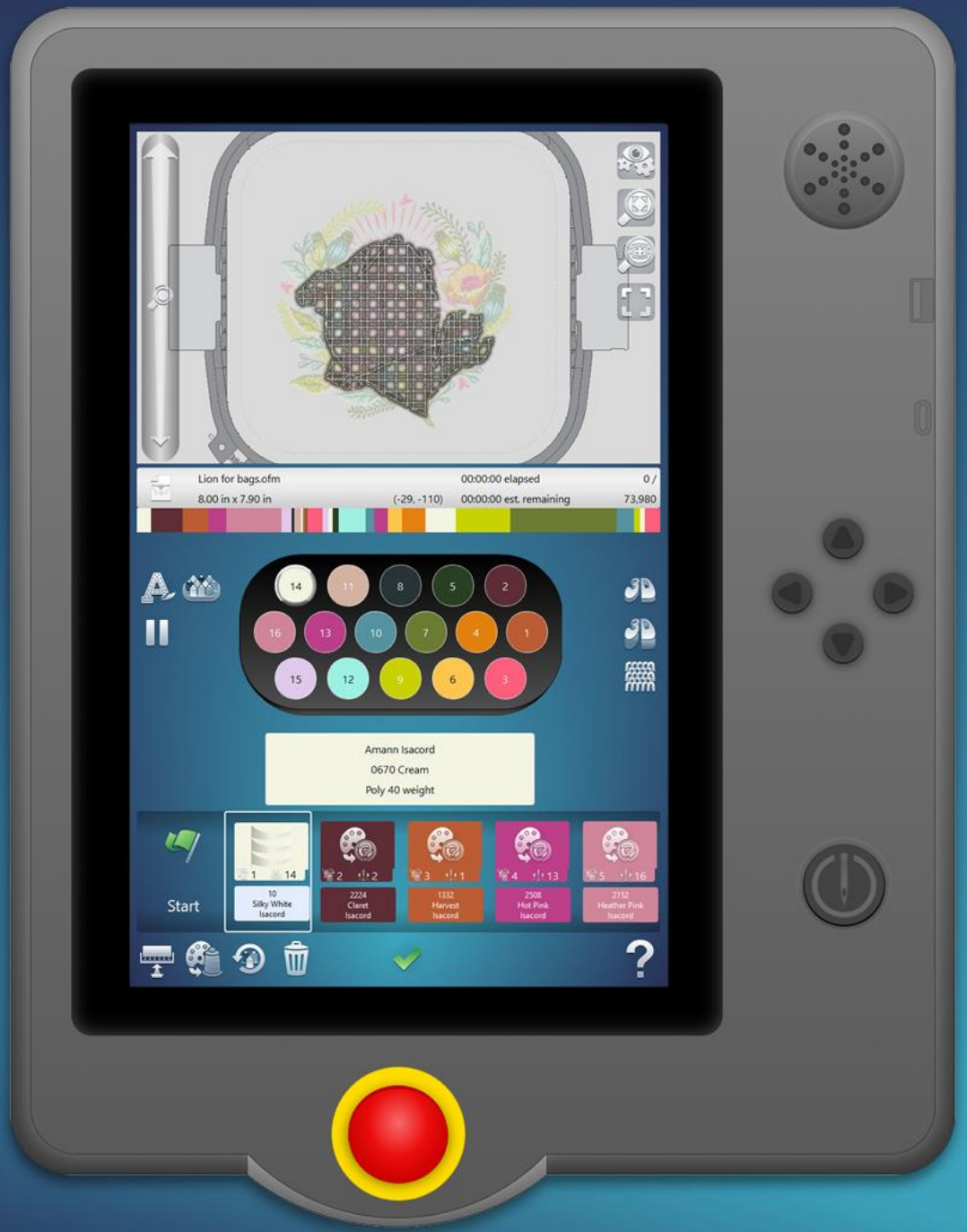


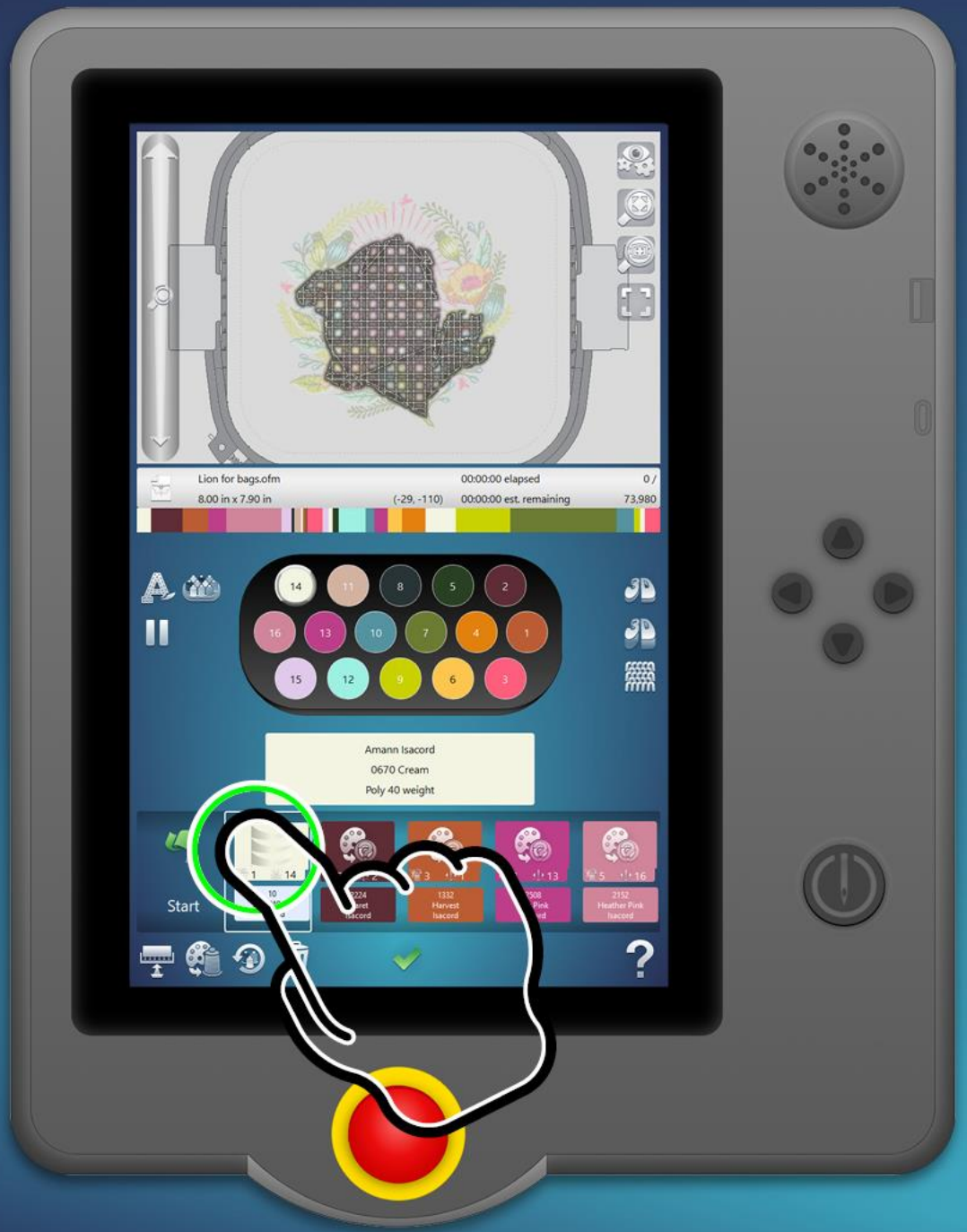
Set Up Thread Tree

- ☑ Tap the Color Sequence Button
- ☑ Set Up Thread Tree
- ☑ Set Color Sequence
  - Or Auto Color Match
- ☐ Add Interrupts or Effects
- ☐ Confirm to Set



Set Up Thread Tree

- ☑ Tap the Color Sequence Button
- ☑ Set Up Thread Tree
- ☑ Set Color Sequence
  - Or Auto Color Match
  - and Make Adjustments
- ☐ Add Interrupts or Effects
- ☐ Confirm to Set



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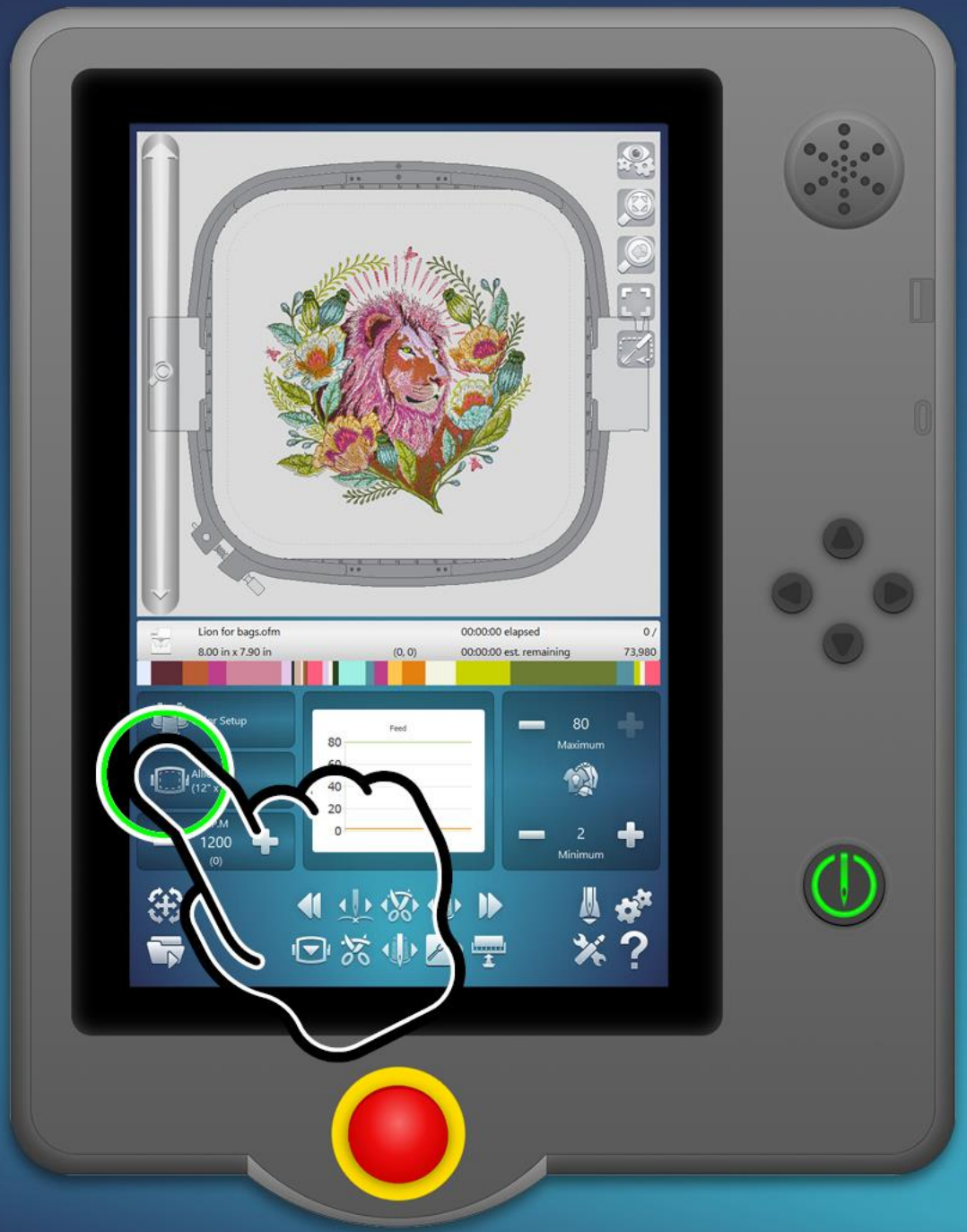
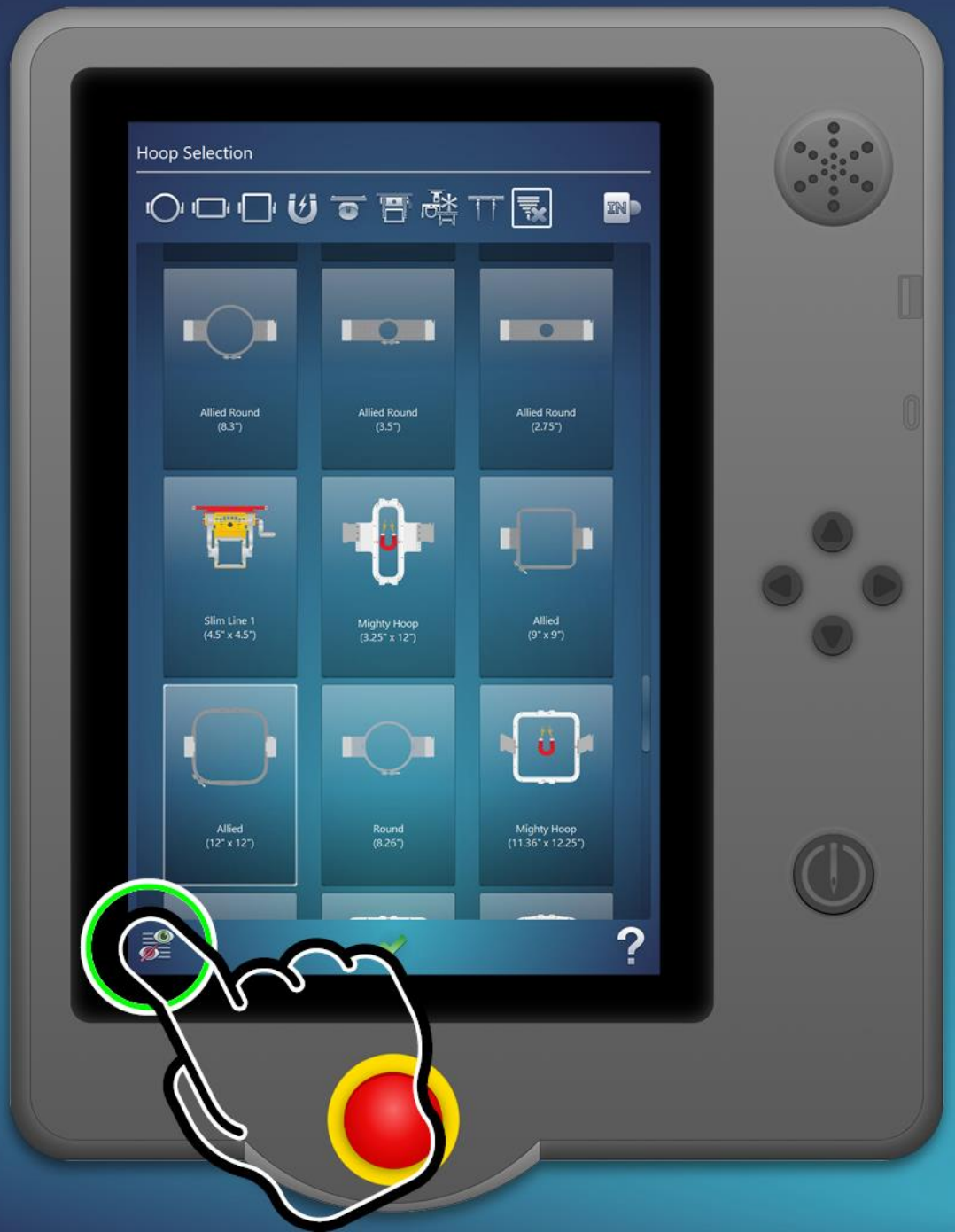
- ☑ Add Interrupts or Effects
- ☐ Confirm to Set



Select a Hoop

- ☐ Tap the Hoop Selection Button
- ☐ Select a Category
- ☐ View in Inches or Centimeters
- ☐ Show/Hide Hoops



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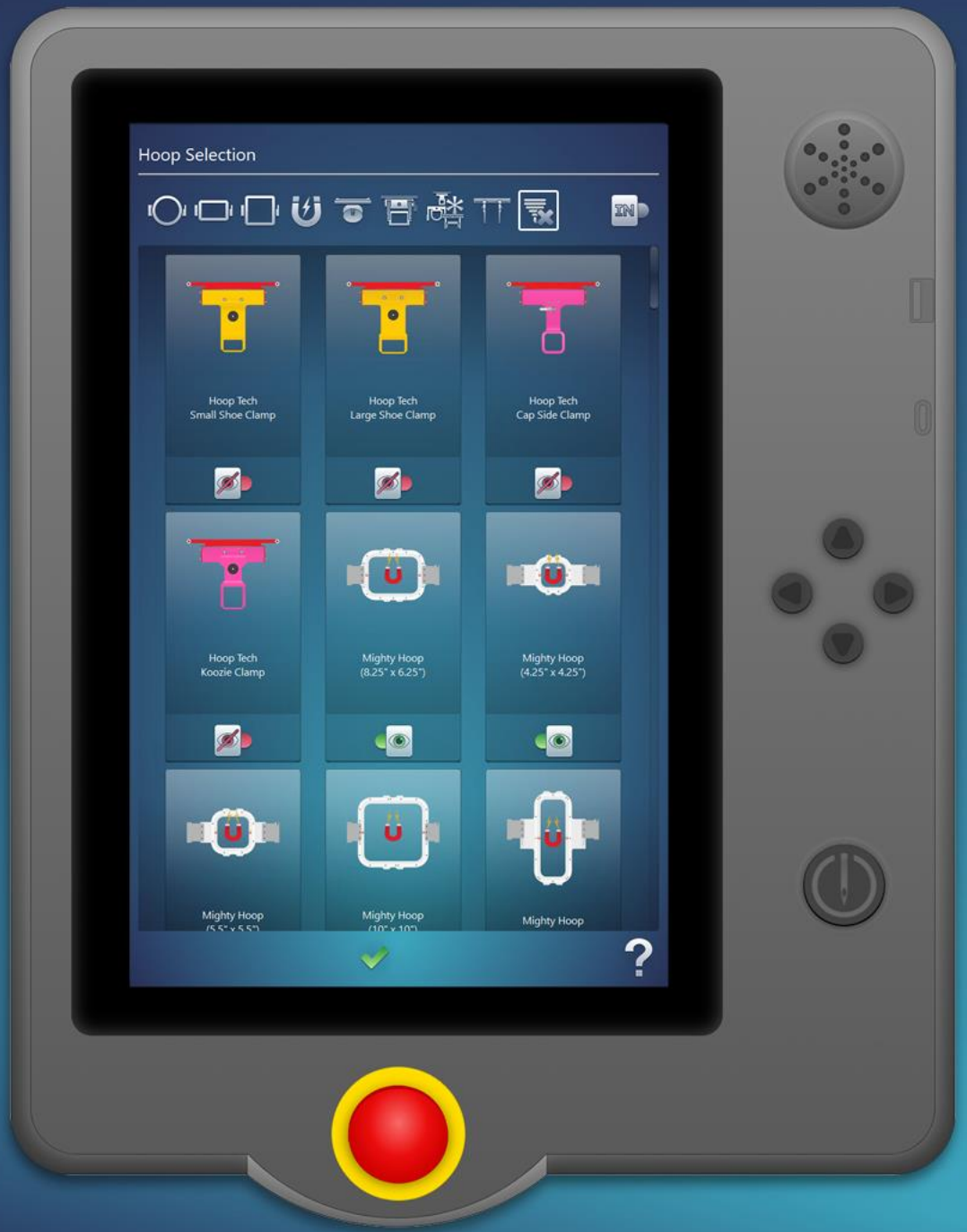
- ☐ Tap Confirm



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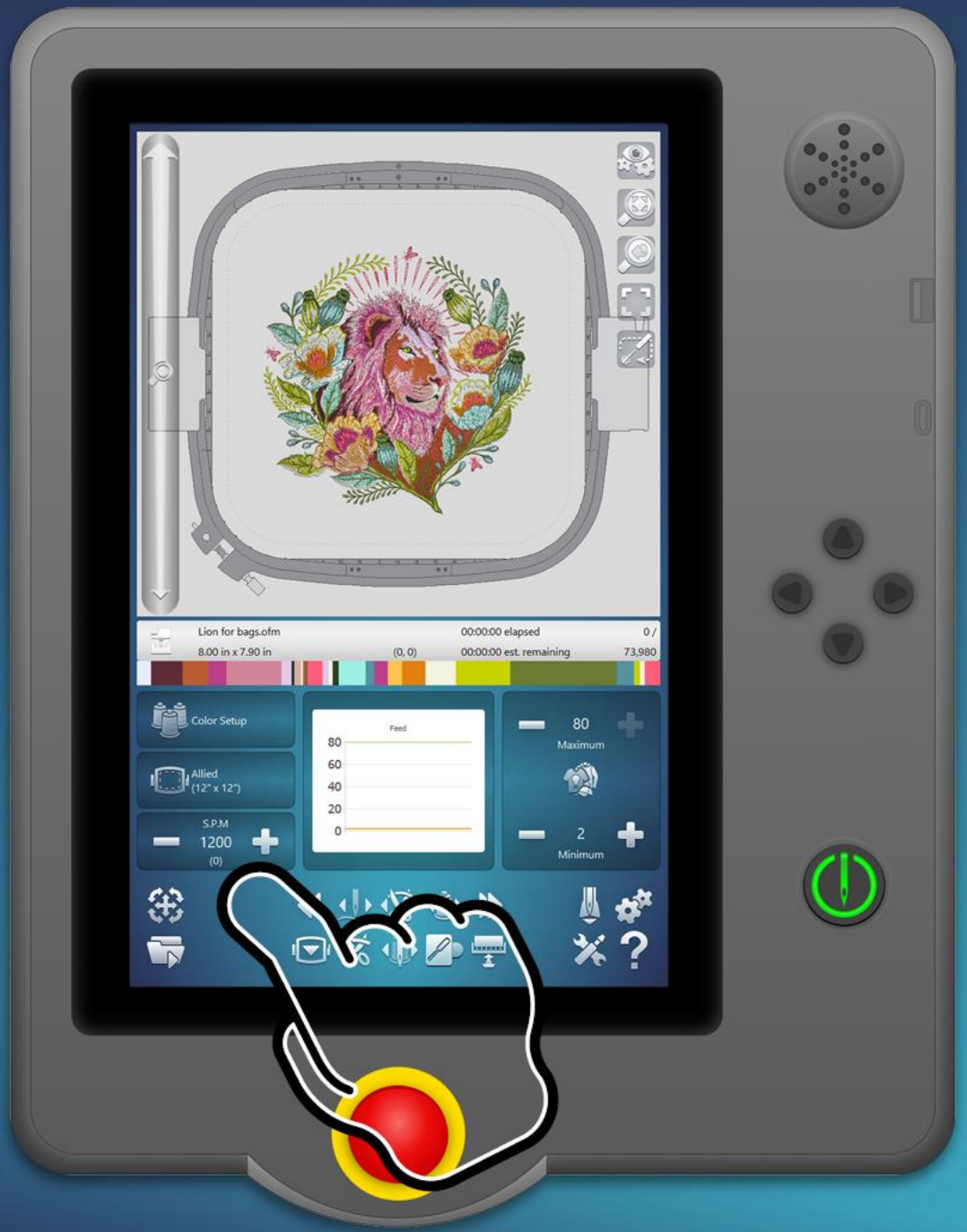


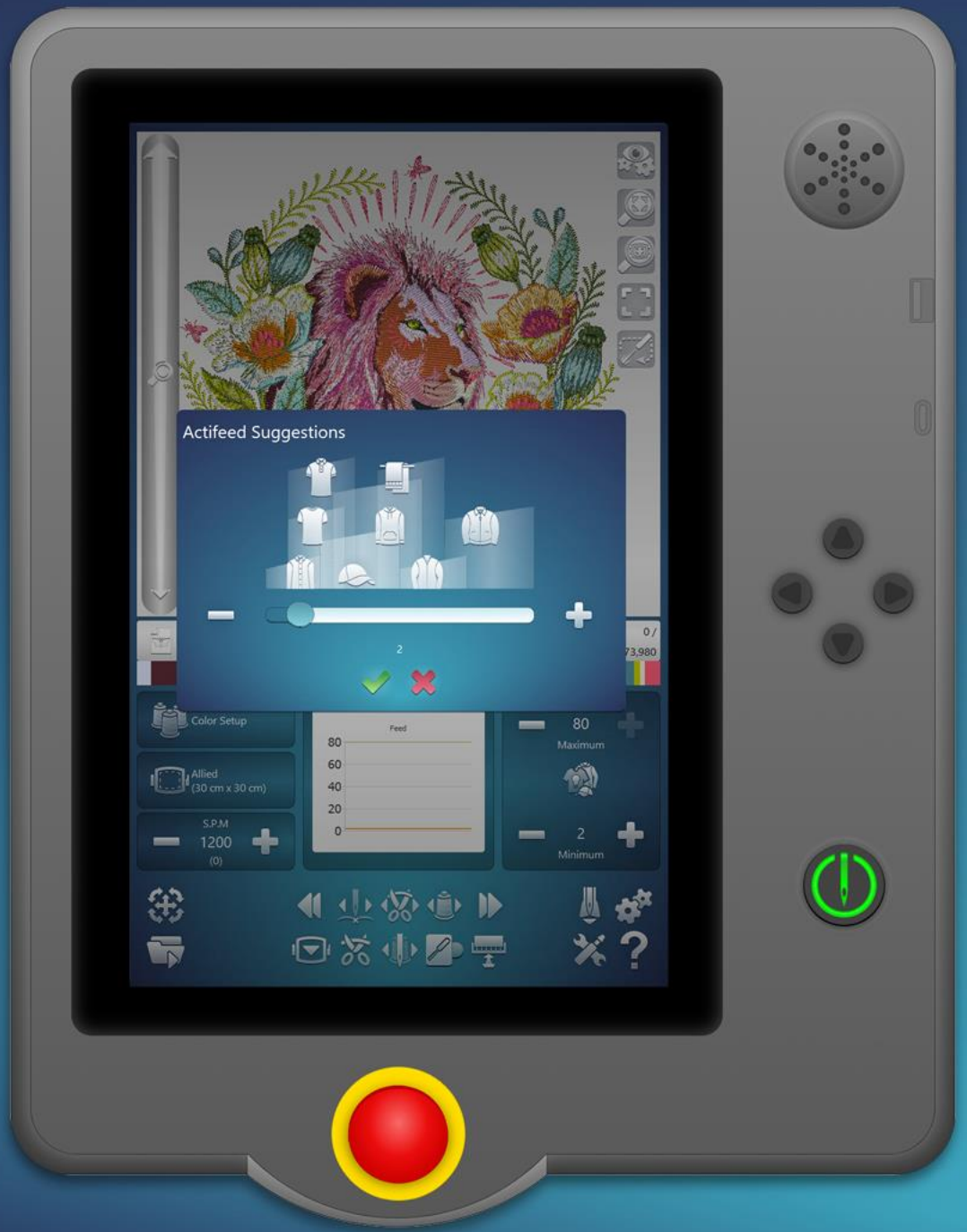
Set Sew Speed

☑ Tap the - or + to adjust

- 300 - 1400 on flats
- 300 - 1200 or Wide-Angle Driver

Adjust Acti-Feed

- ☑ Minimum
  - Tap the - or + to adjust
- ☐ Maximium
  - Rarely required
  - Tap the - or + to adjust
- ☐ Use Suggestions



Adjust Acti-Feed

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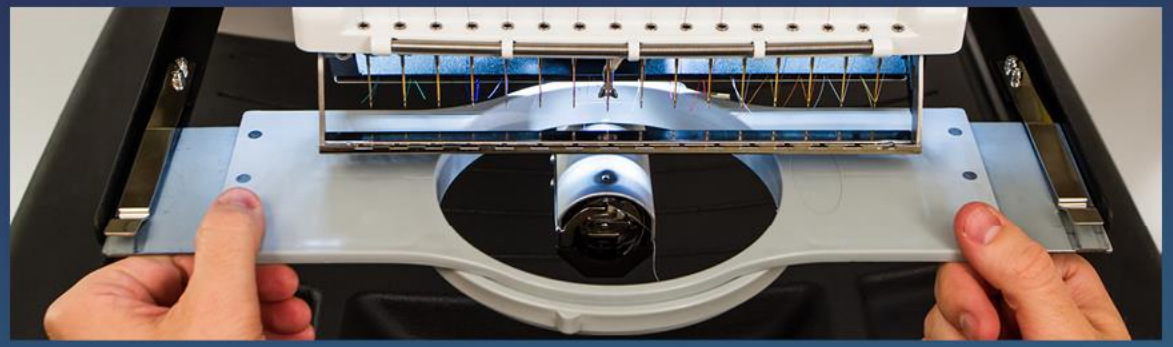
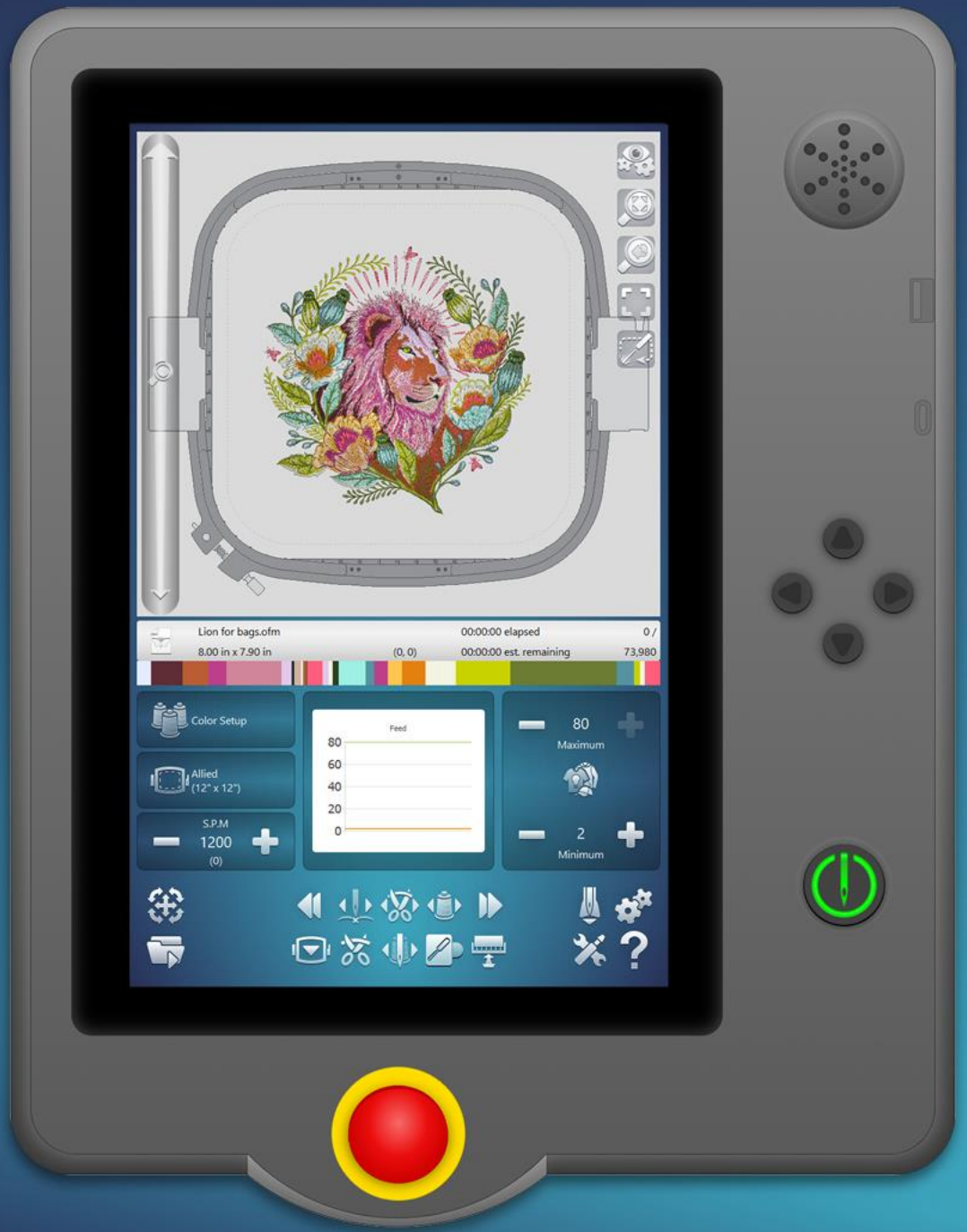


Loading Hooped Product

- CHECK YOUR BOBBIN!
- Slide hoop into place
- Pull back to ensure is secure
- Balloon out product



Sewing a Design

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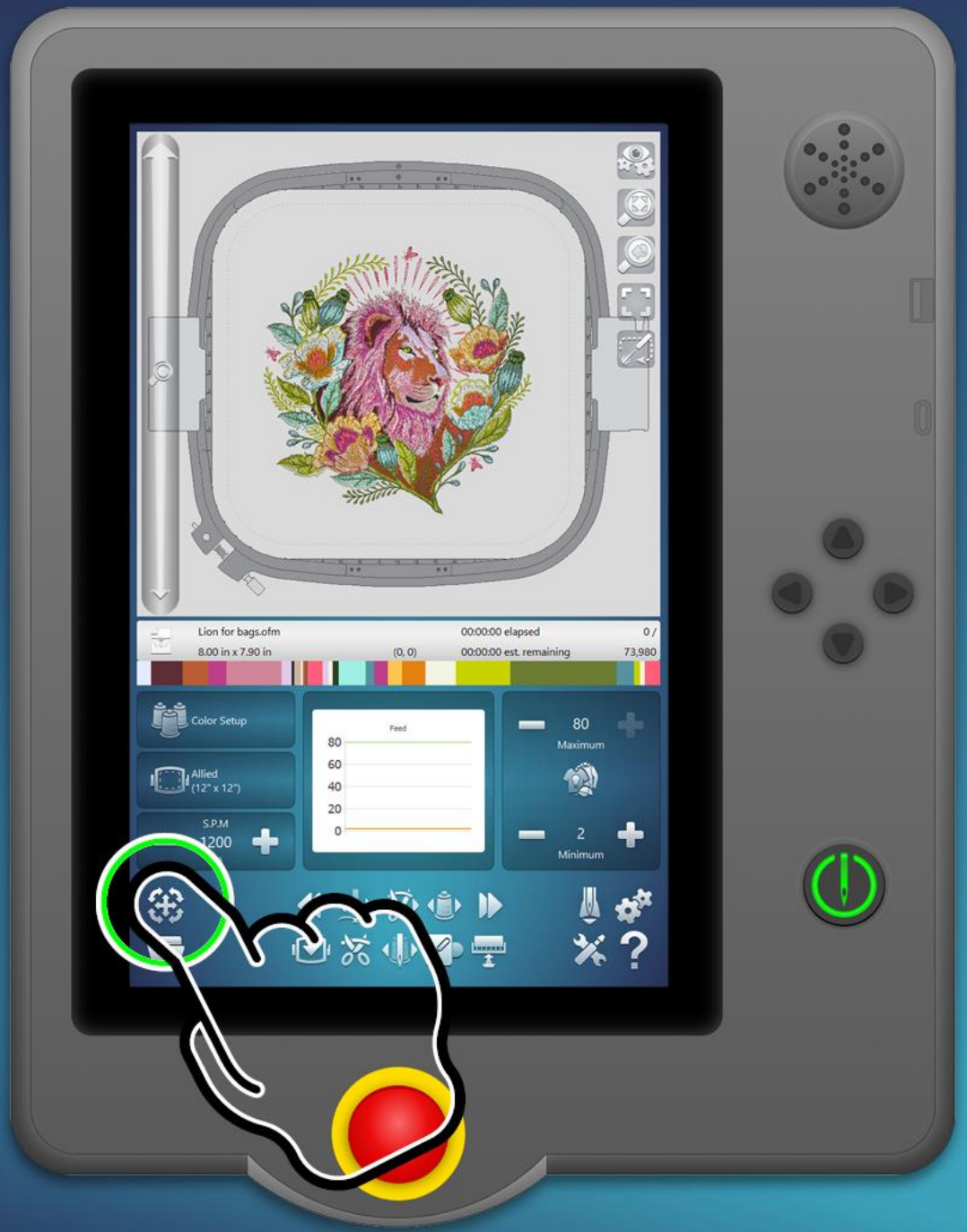
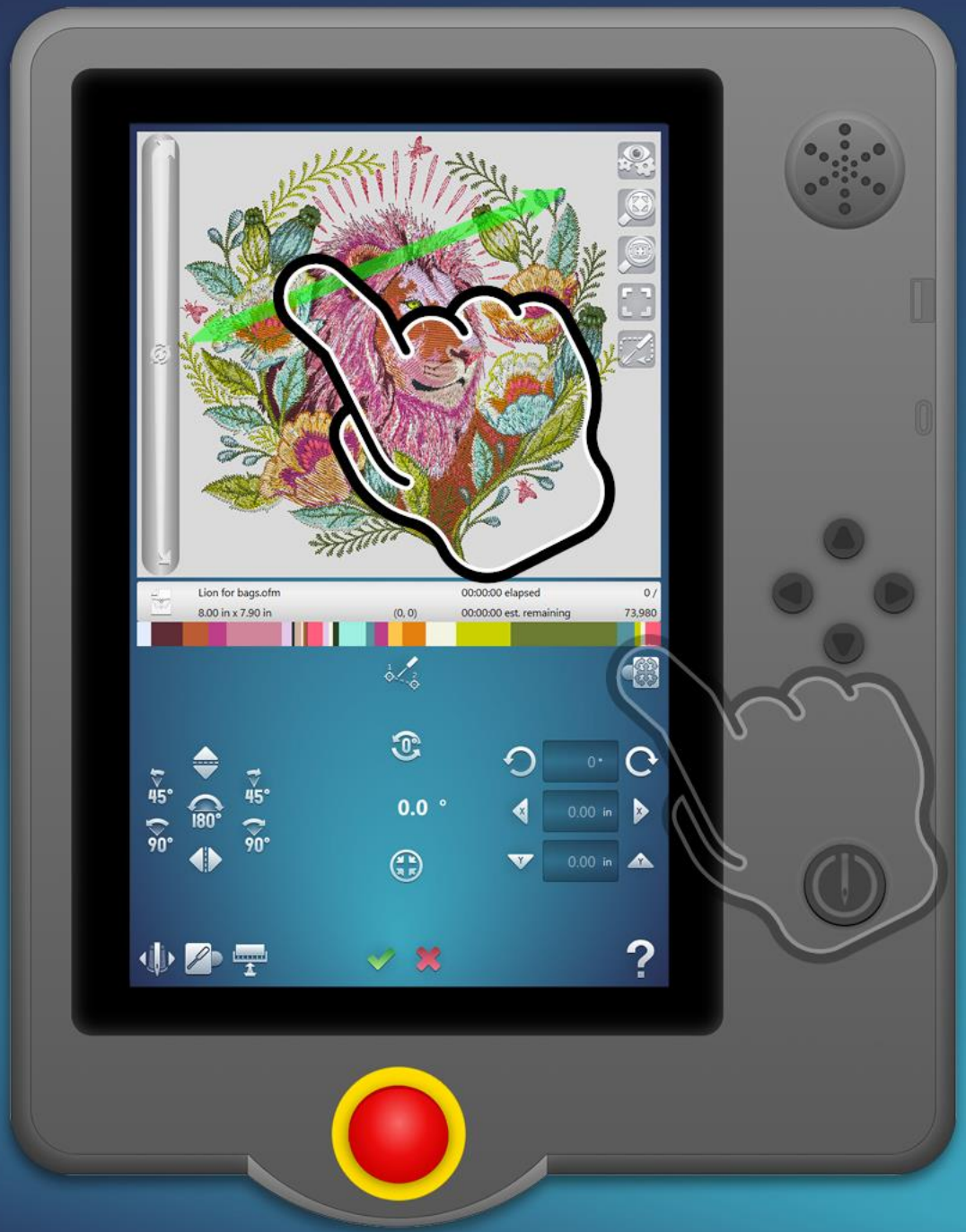
- ☐ Trace Design
- ☐ SEW!



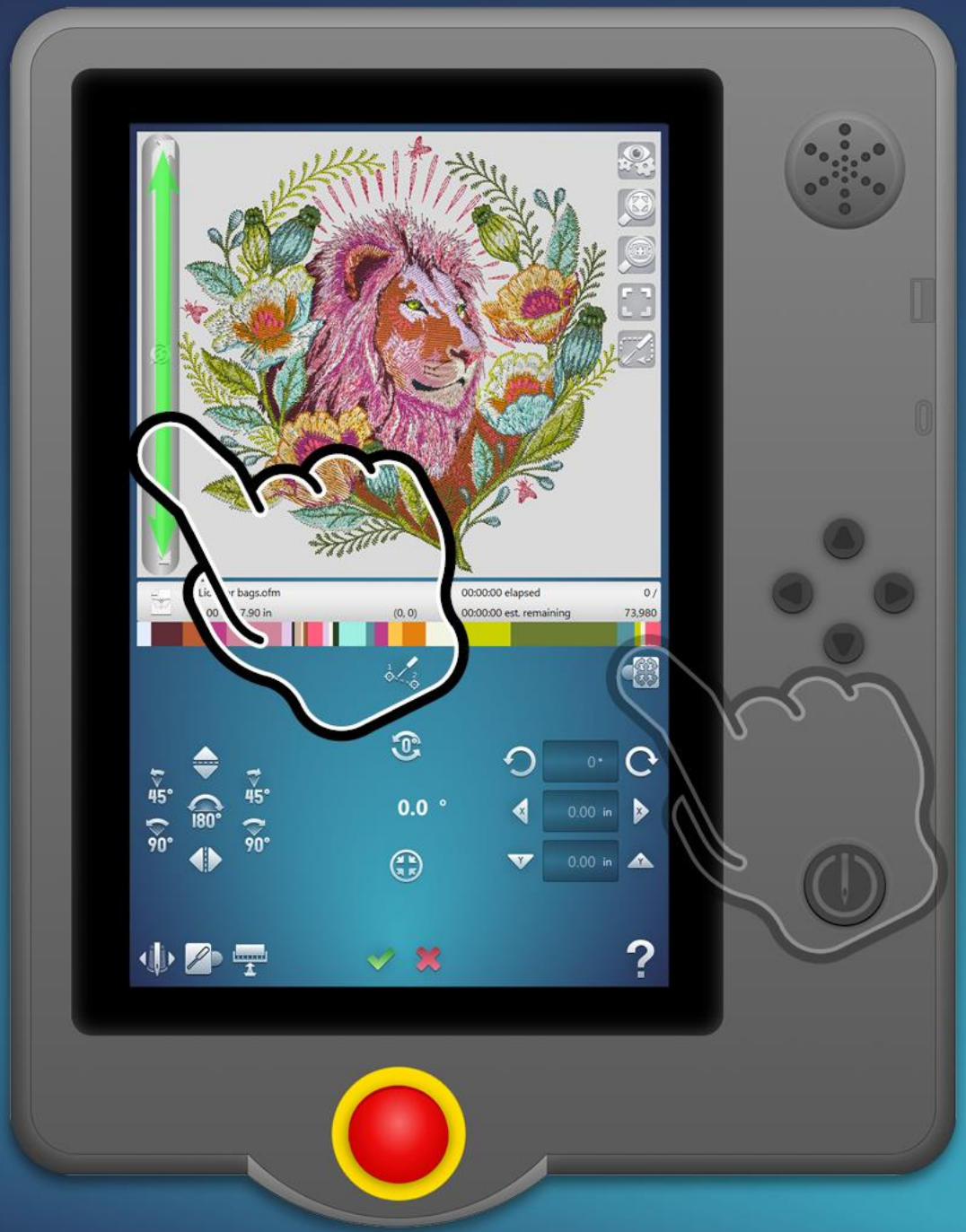
Transform

- ☐ Tap the Transform Button
- ☐ Position the Design in the Hoop
- ☐ Rotate if Needed
- ☐ Confirm the Position



Transform

- ☑ Tap the Transform Button
- ☐ Position the Design in the Hoop
  - Drag in View Window
  - Position by Number
  - Physical Buttons
- ☐ Rotate if Needed
  - Drag on Rotate Bar
  - Quick Rotate Buttons
- ☐ Confirm to Exit



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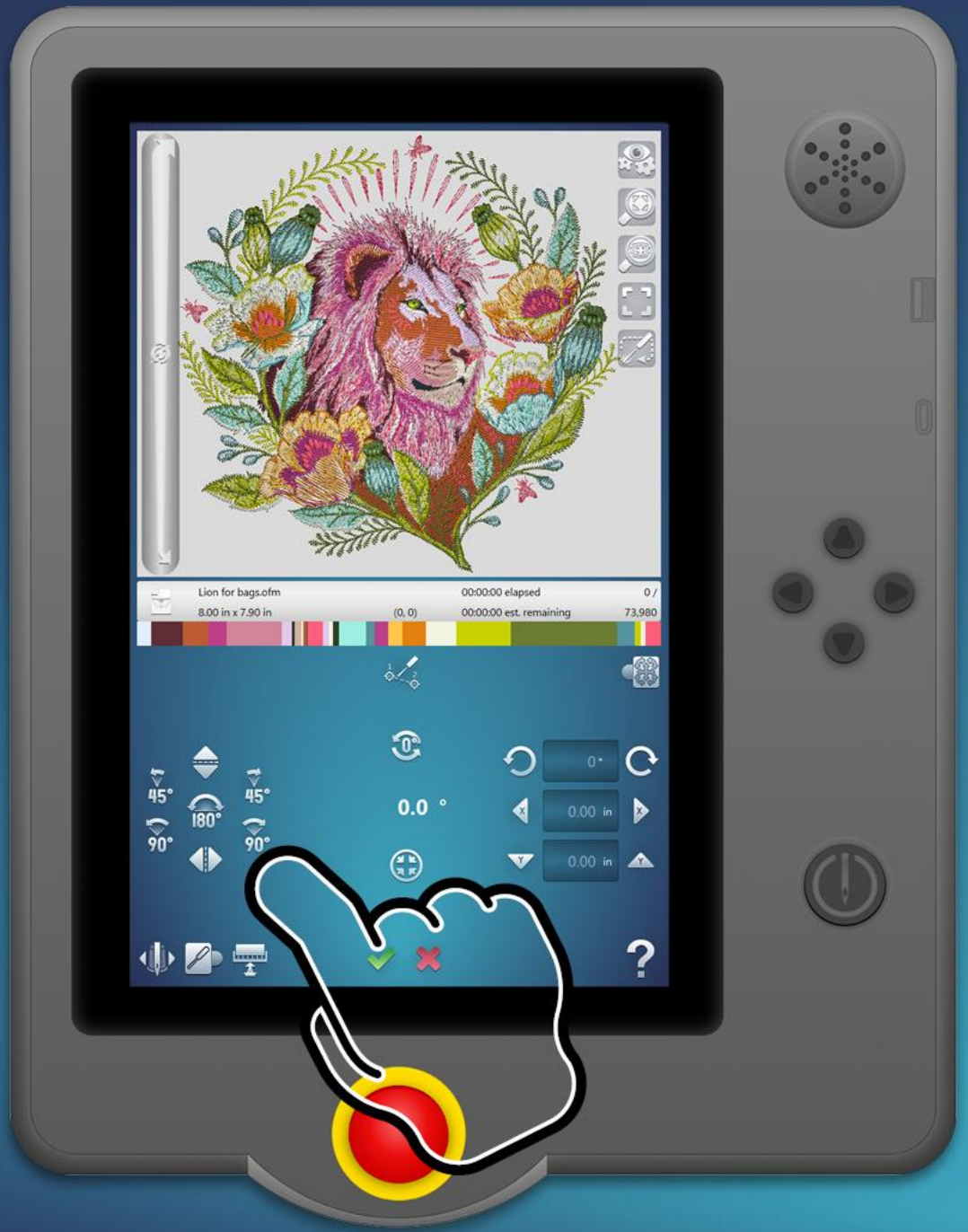

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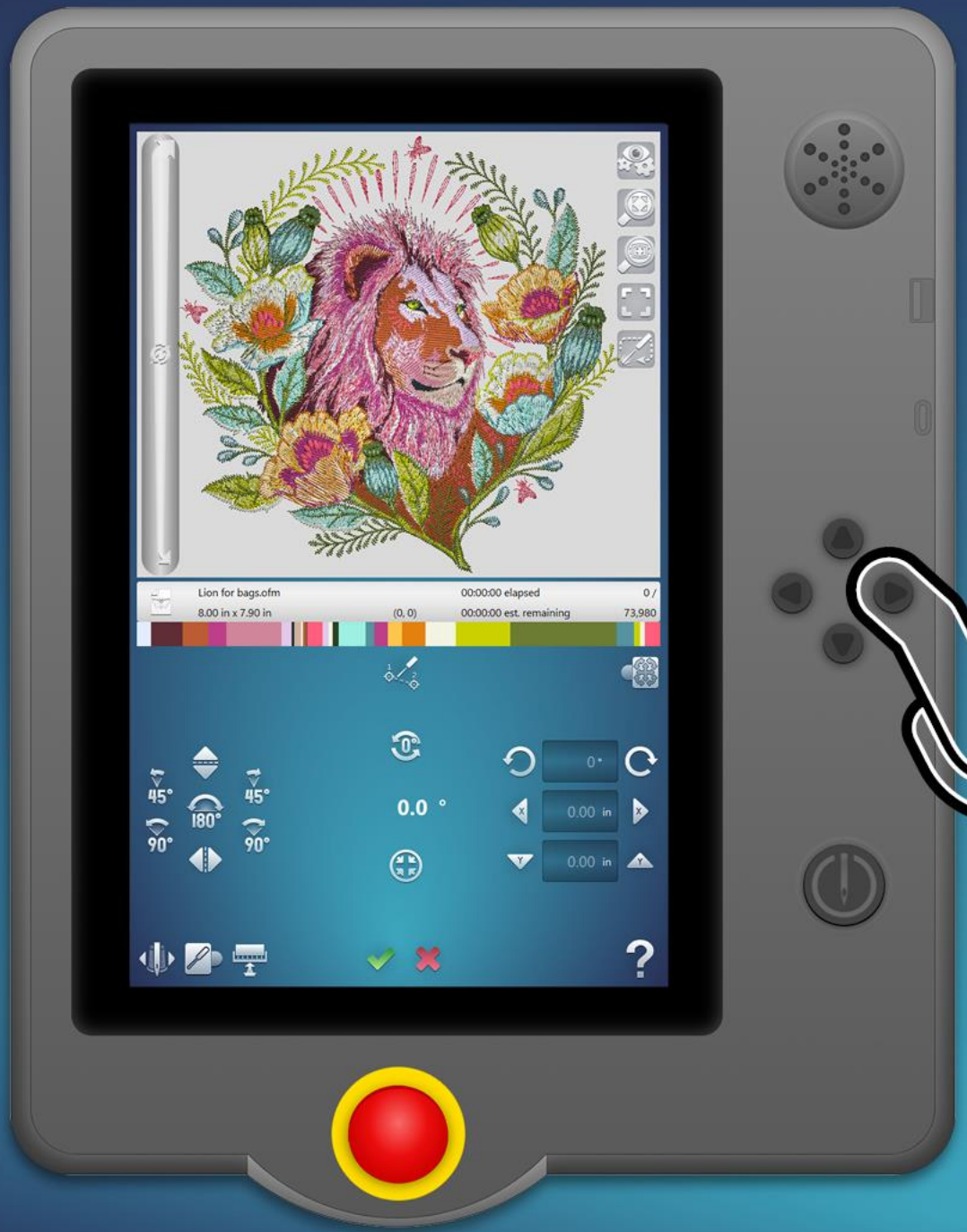

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  - Drag in View Window
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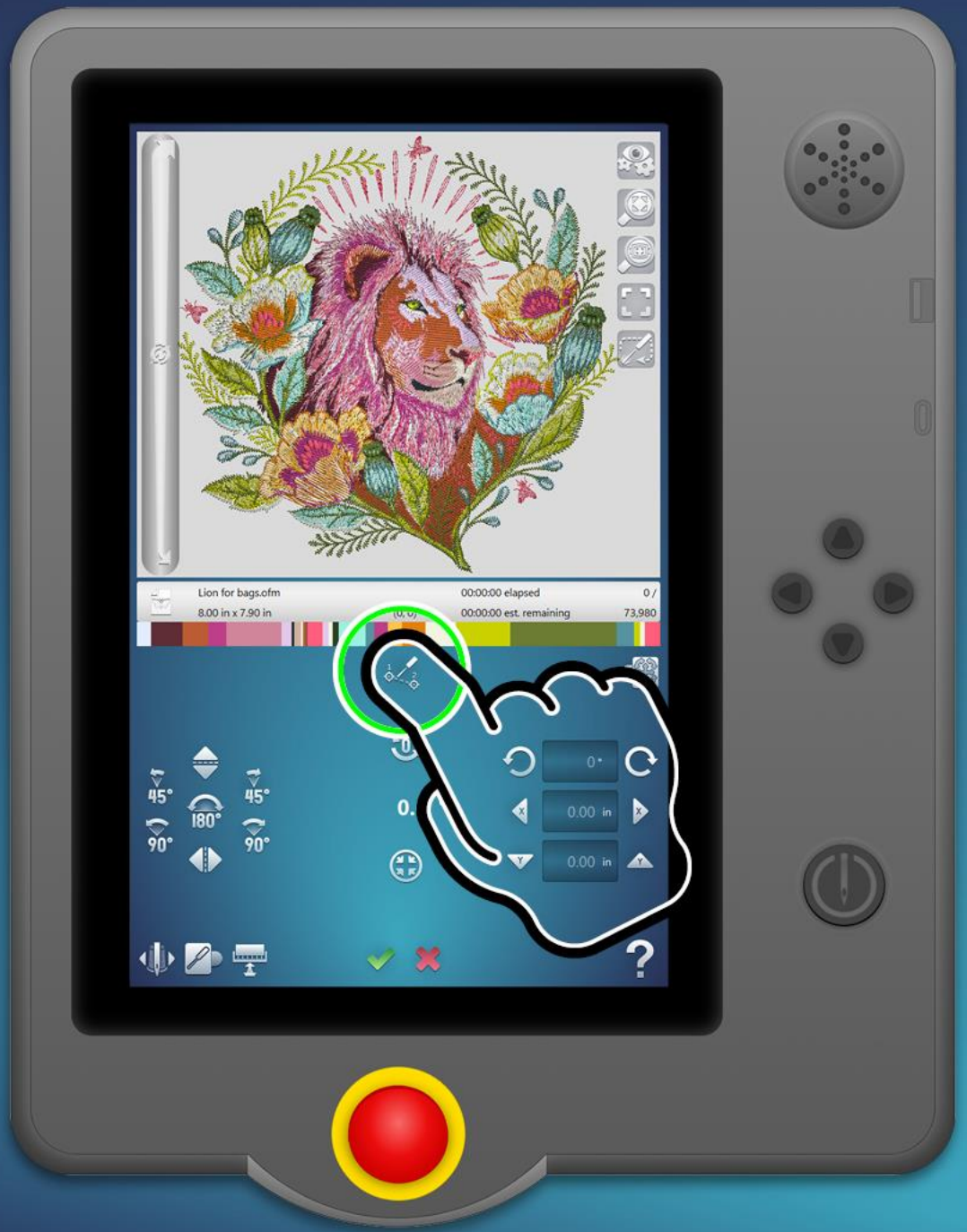

Transform

- ☑ Tap the Transform Button
- ☐ Position & Rotate
  - Using Laser Alignment
- ☐ Confirm to Exit

Laser Alignment

- [x] Tap the Laser Alignment Button
- [ ] Confirm the First Position
- [ ] Confirm the Second Position
- [ ] Select Position of Design
- [ ] Confirm to Exit

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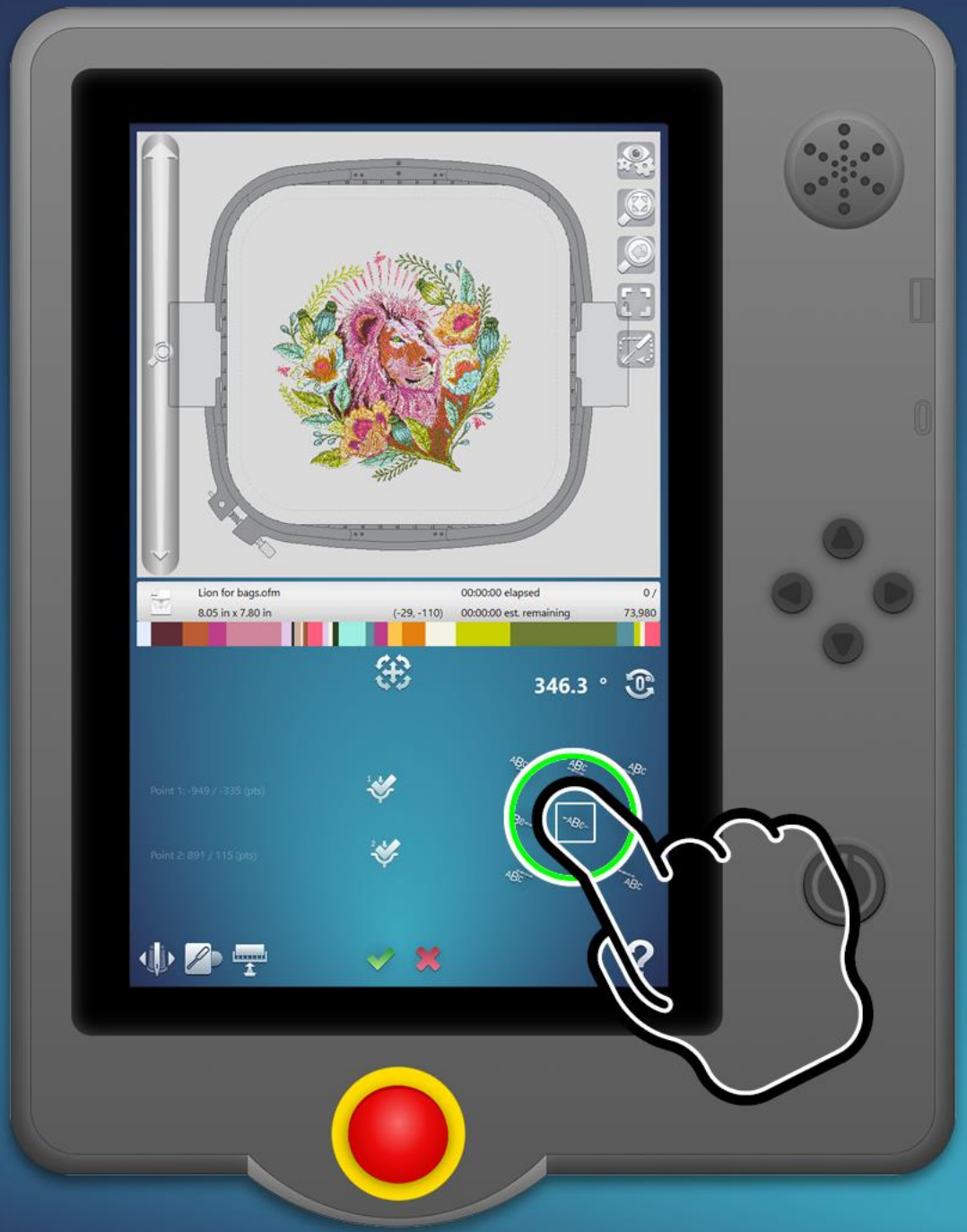

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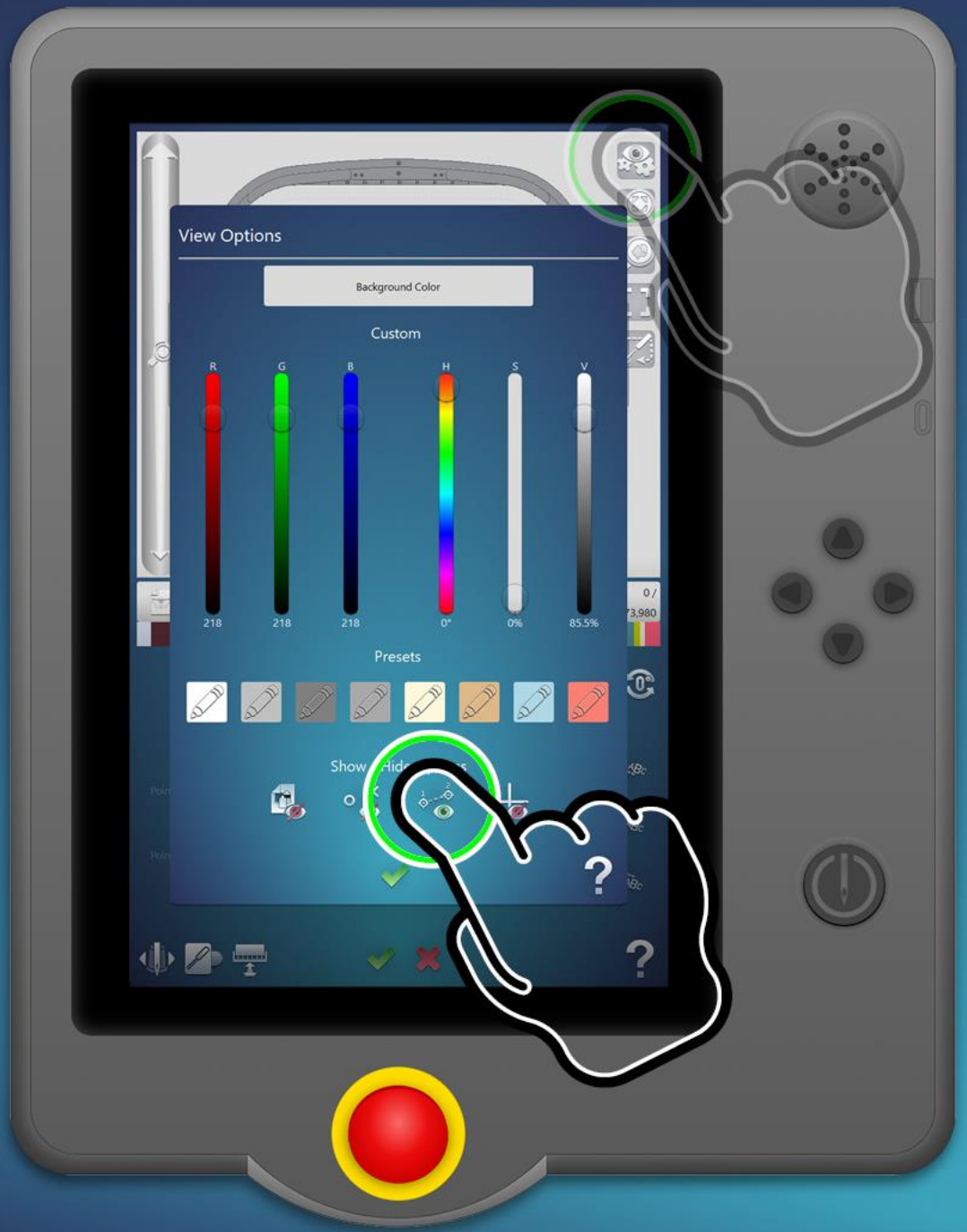
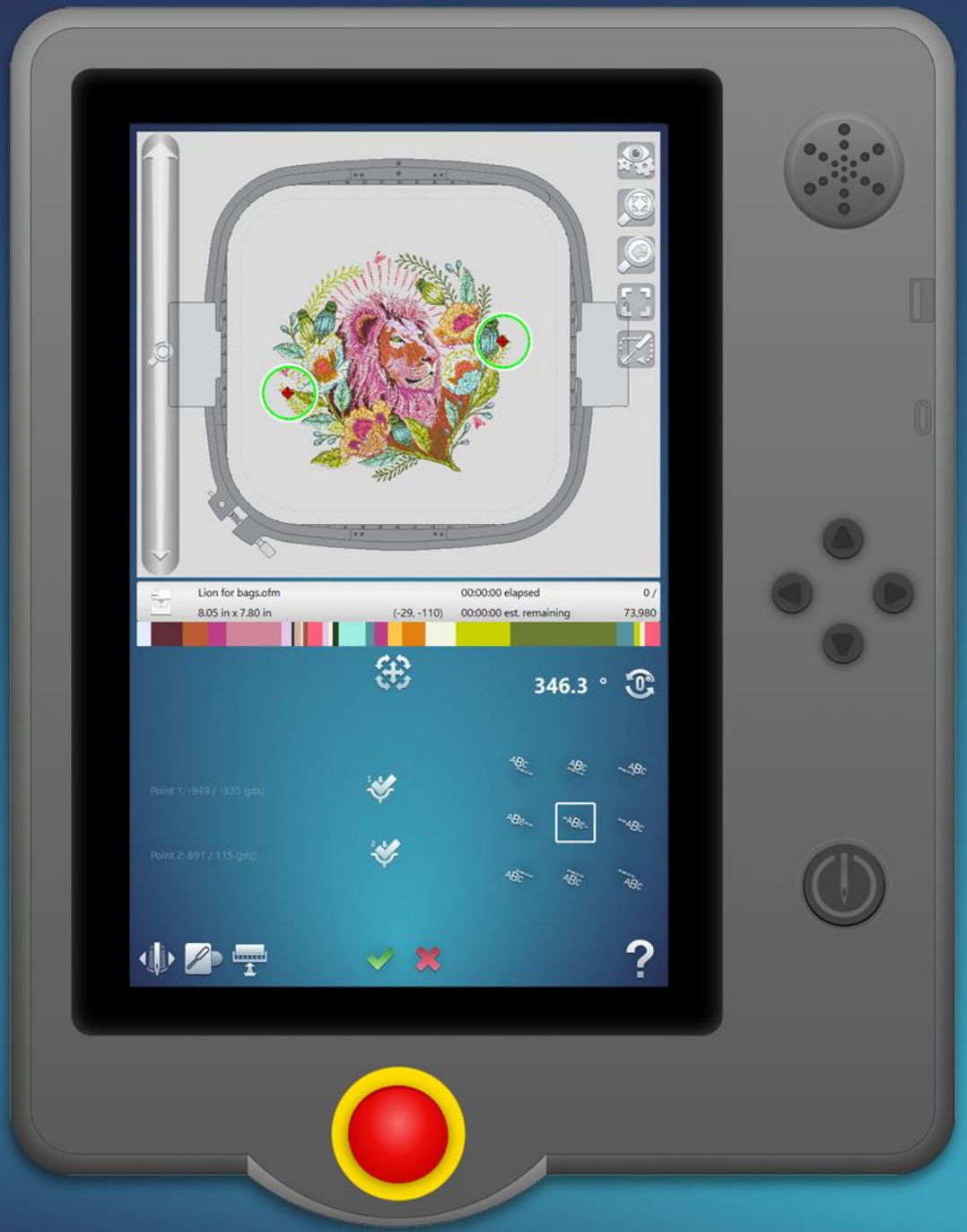


Laser Alignment

- ☑ Tap the Laser Alignment Button
  - Use View Options
  - Enable the Regi Marks
- ☑ Confirm the First Position
- ☑ Confirm the Second Position
- ☑ Select Position of Design
- ☐ Confirm to Exit



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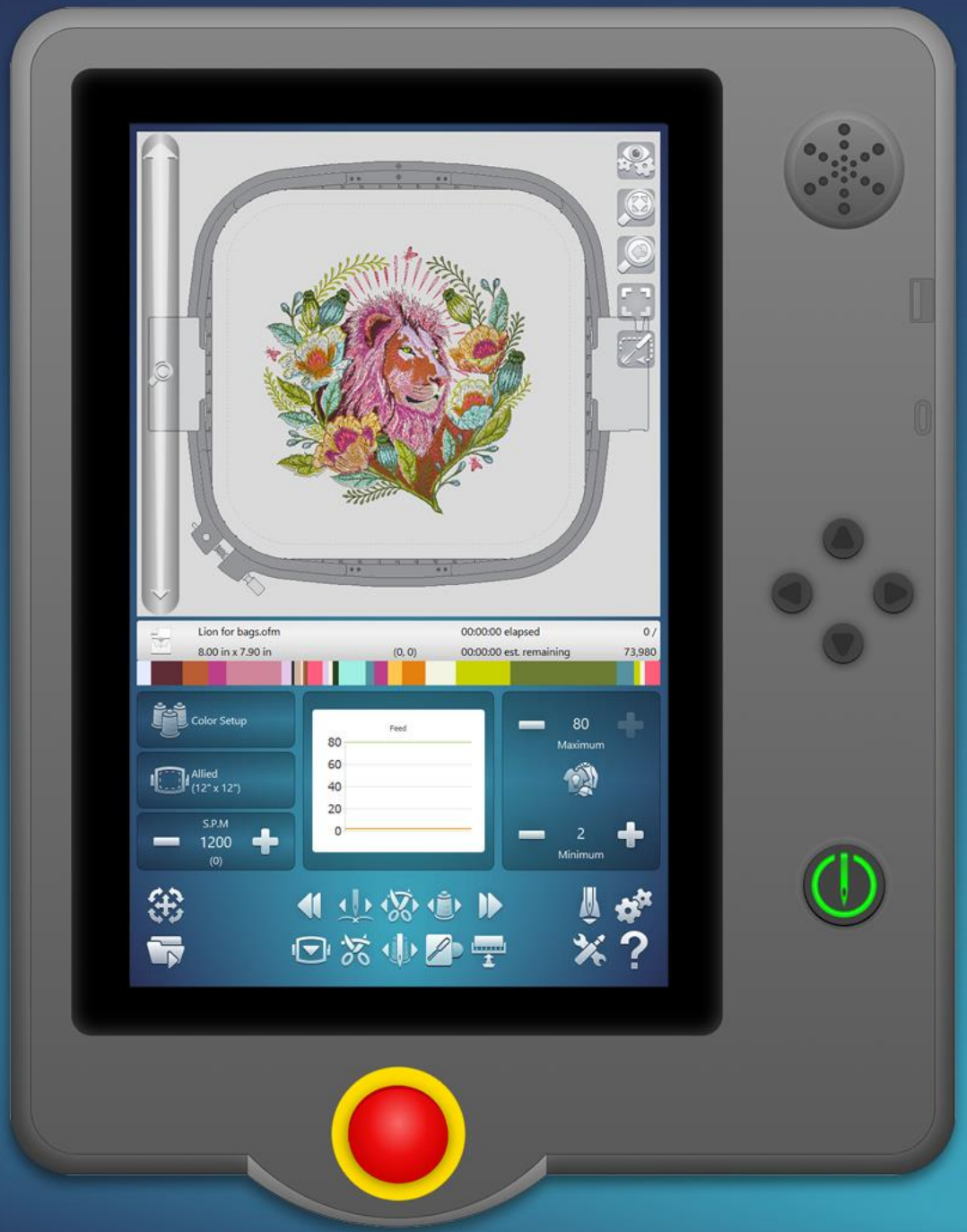

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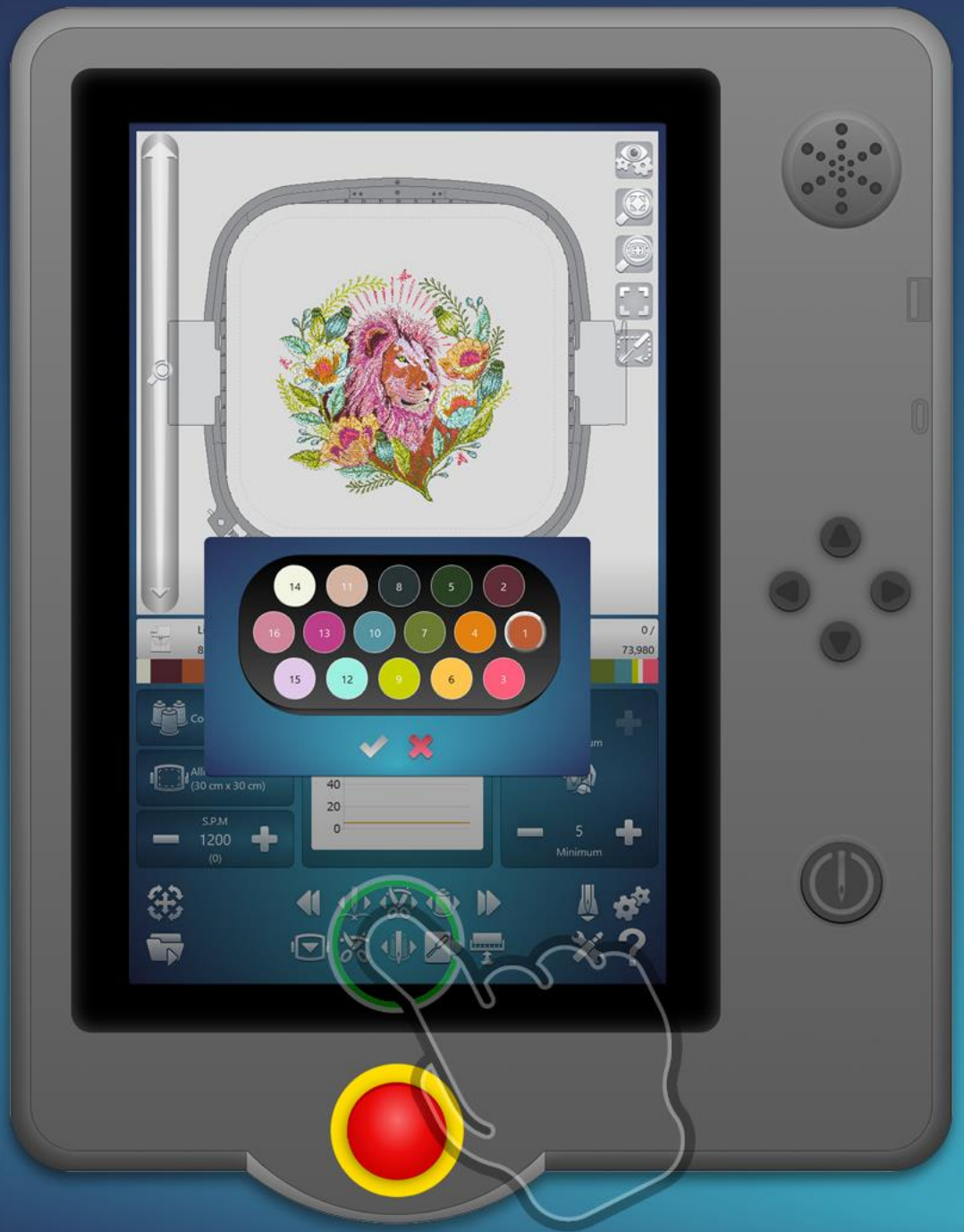
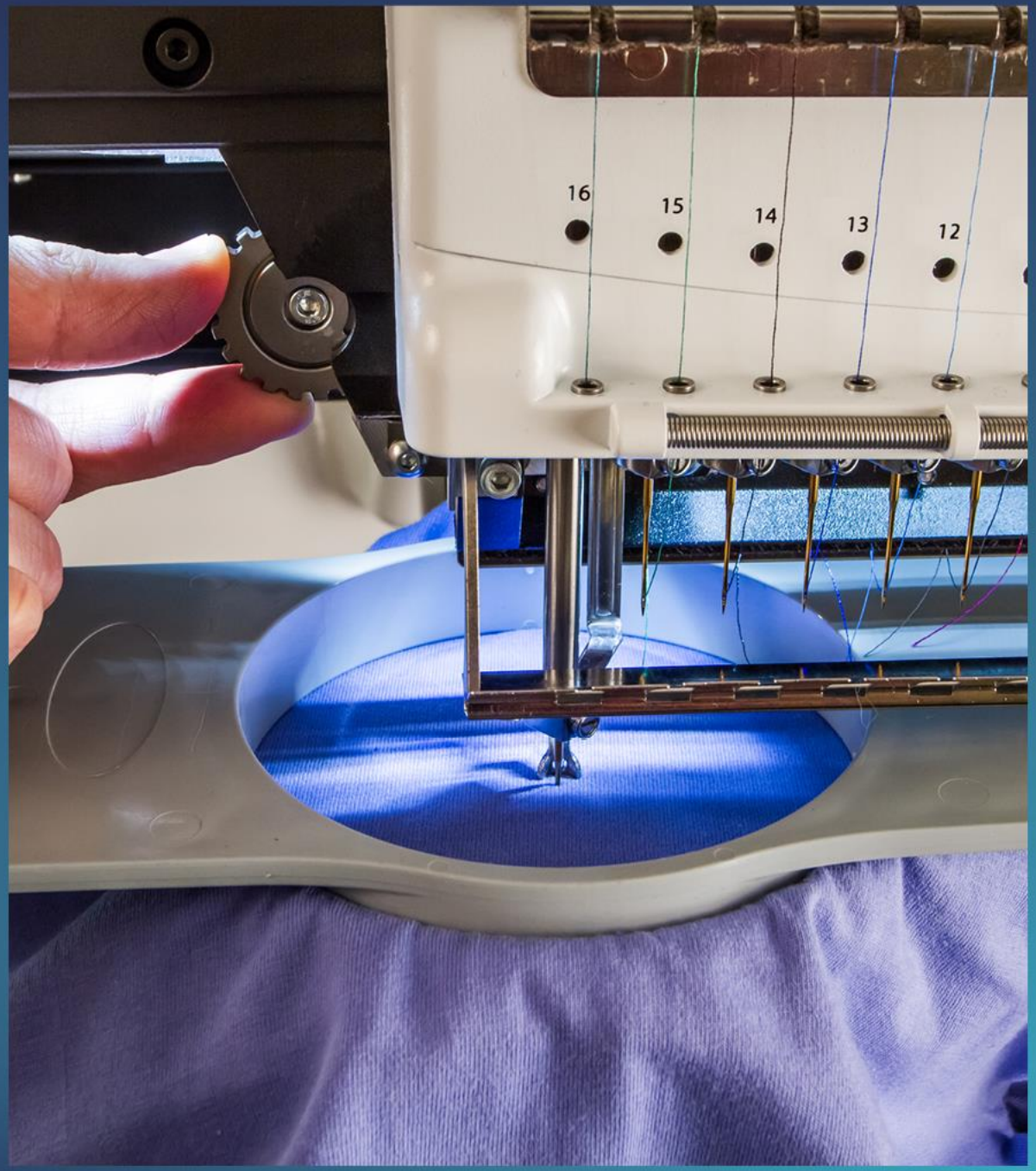


Optional - Needle 16

- ☑ Tap the Move to Needle Button
- ☐ Select Needle 16
- ☐ Confirm to Move to Needle 16
- ☐ More easily see Presser Foot gear

Adjust Presser Foot

- ☑ Tap the Presser Foot Button
- ☐ Confirm to Lower the Presser Foot
- ☐ Adjust the Presser Foot
- ☐ Confirm to Raise the Presser Foot



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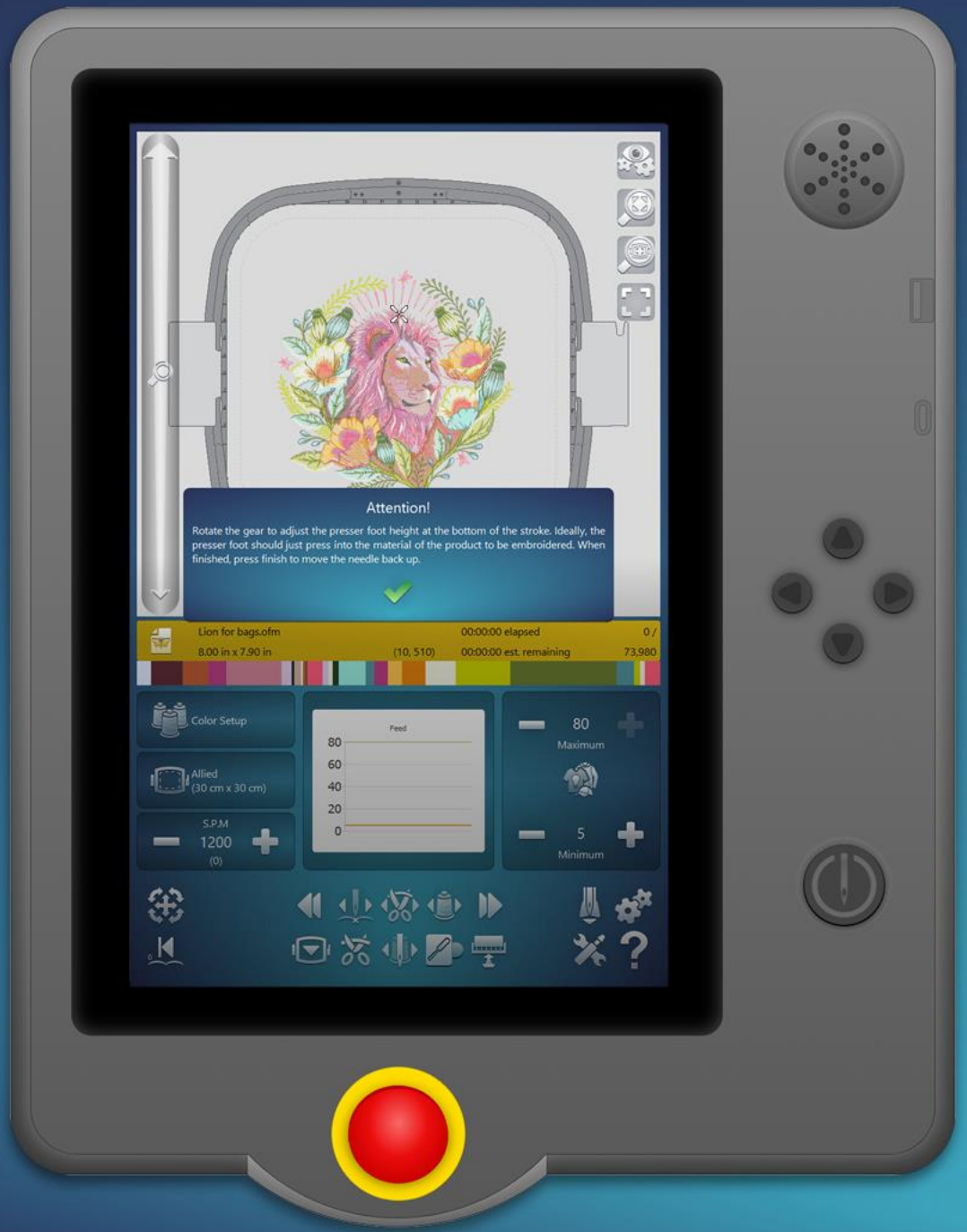

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- ☑ Adjust Presser Foot Height
- ☐ Trace Design
- ☐ SEW!

Trace the Design

- ☑ Tap the Trace Button
- ☐ Optional - Select Trace Shape
  - Polygon Outline
  - Rectangular
- ☐ Optional - Select Trace Speed
- ☐ Tap Trace Start to begin the trace
  - Pause
  - Abort / Return to Origin

Sewing a Design

- ☑ Load A Design
- ☑ Set the Color Sequence
- ☑ Select the Hoop
- ☑ Set the Speed
- ☑ Adjust Acti-Feed Settings for Fabric
- ☑ Load Product onto the Machine
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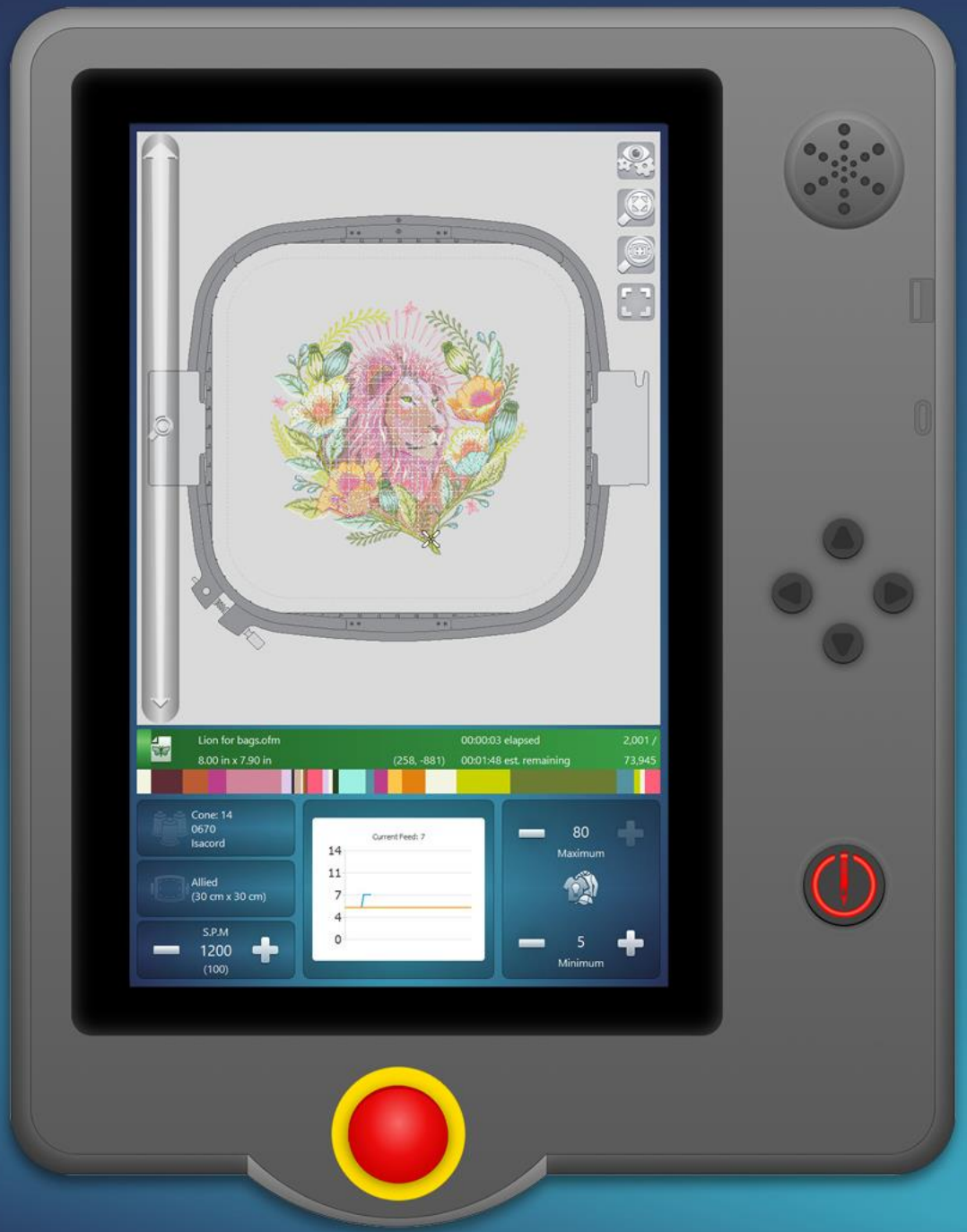

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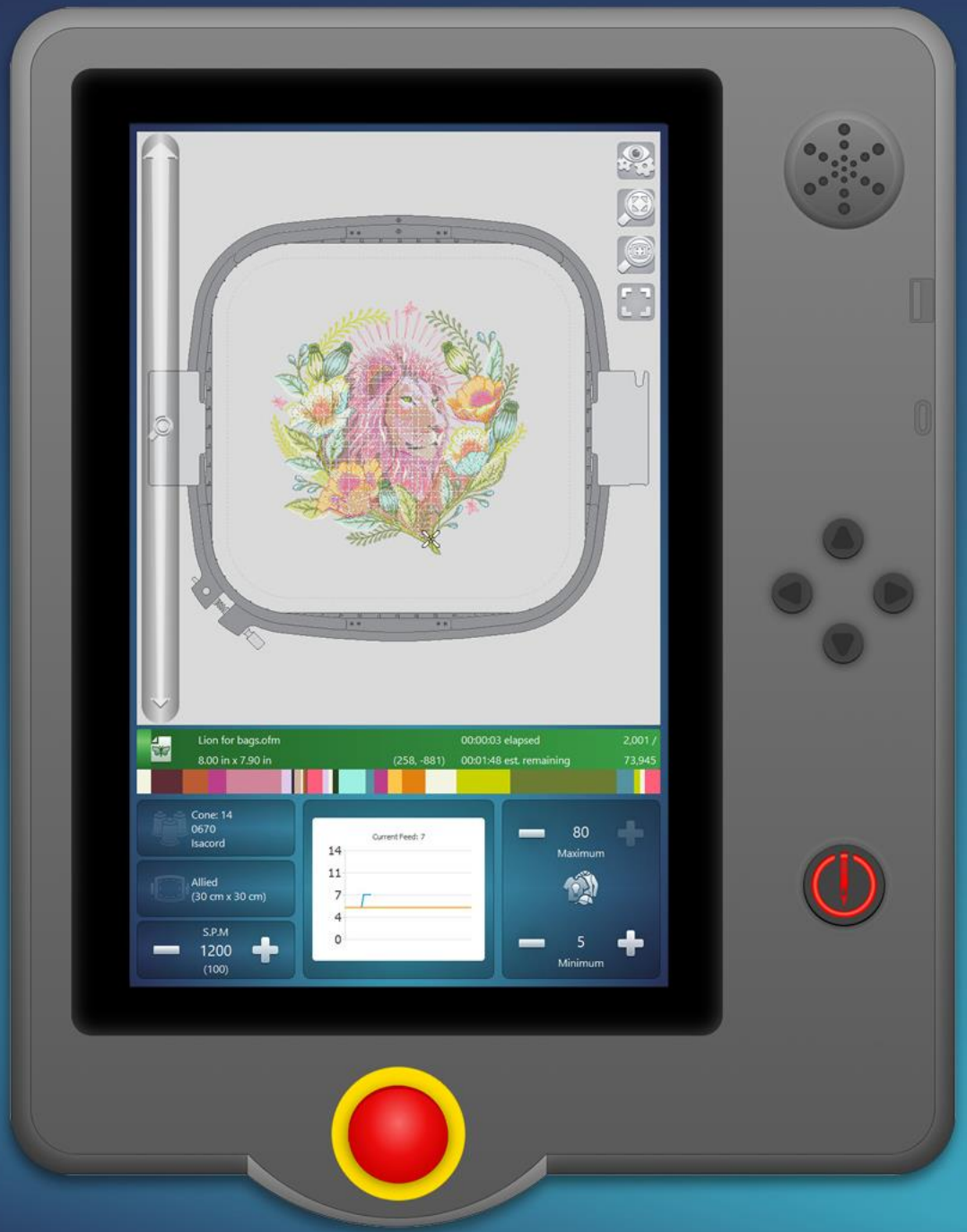

Status Bar

- Shows Progress
- Shows Color Sequence
- Shows Machine State
  - Green - Sewing
  - Amber - Interrupt or Break
  - Red - Hoop Limit, E-Stop, Error
  - Silver - Idle or Ready

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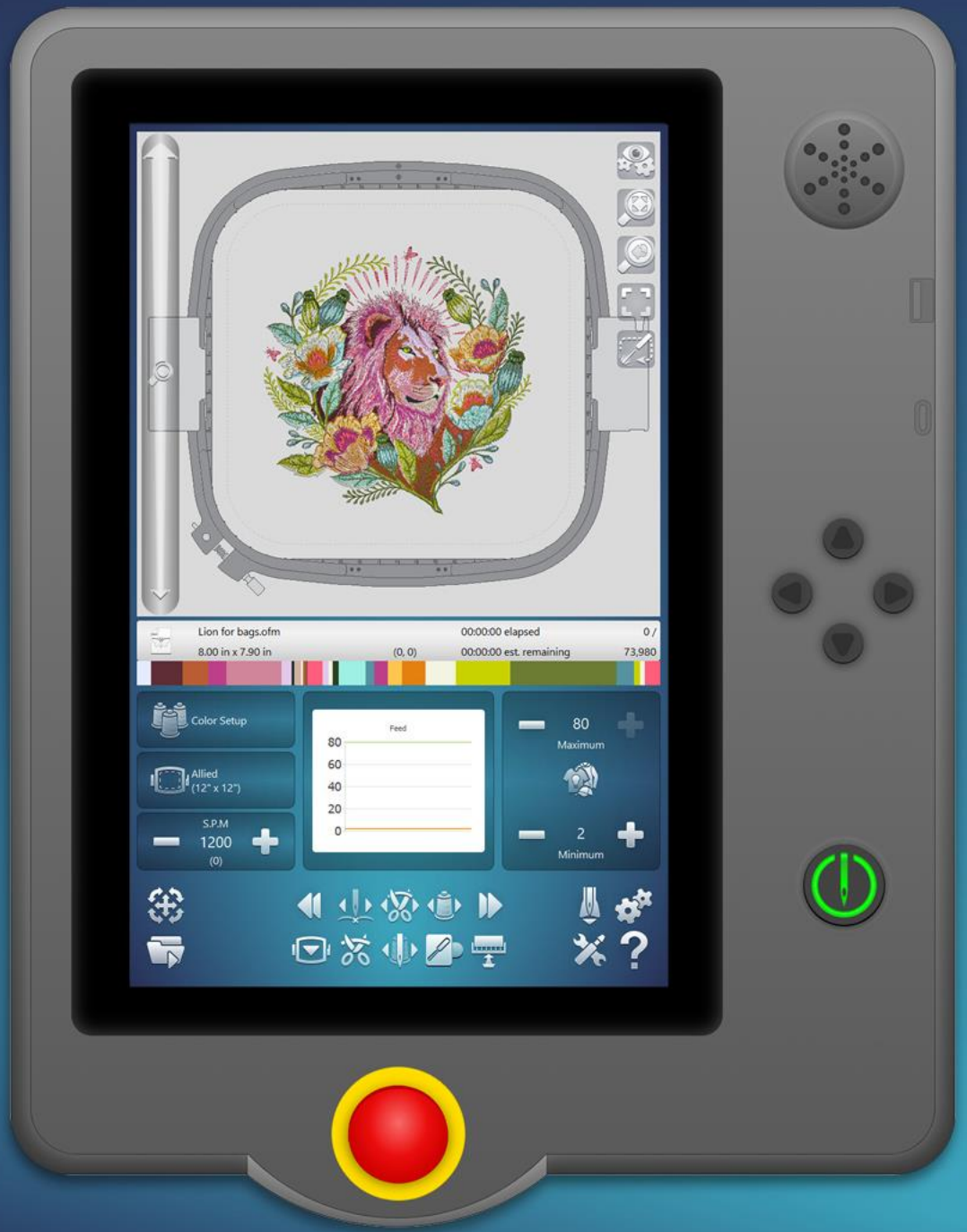

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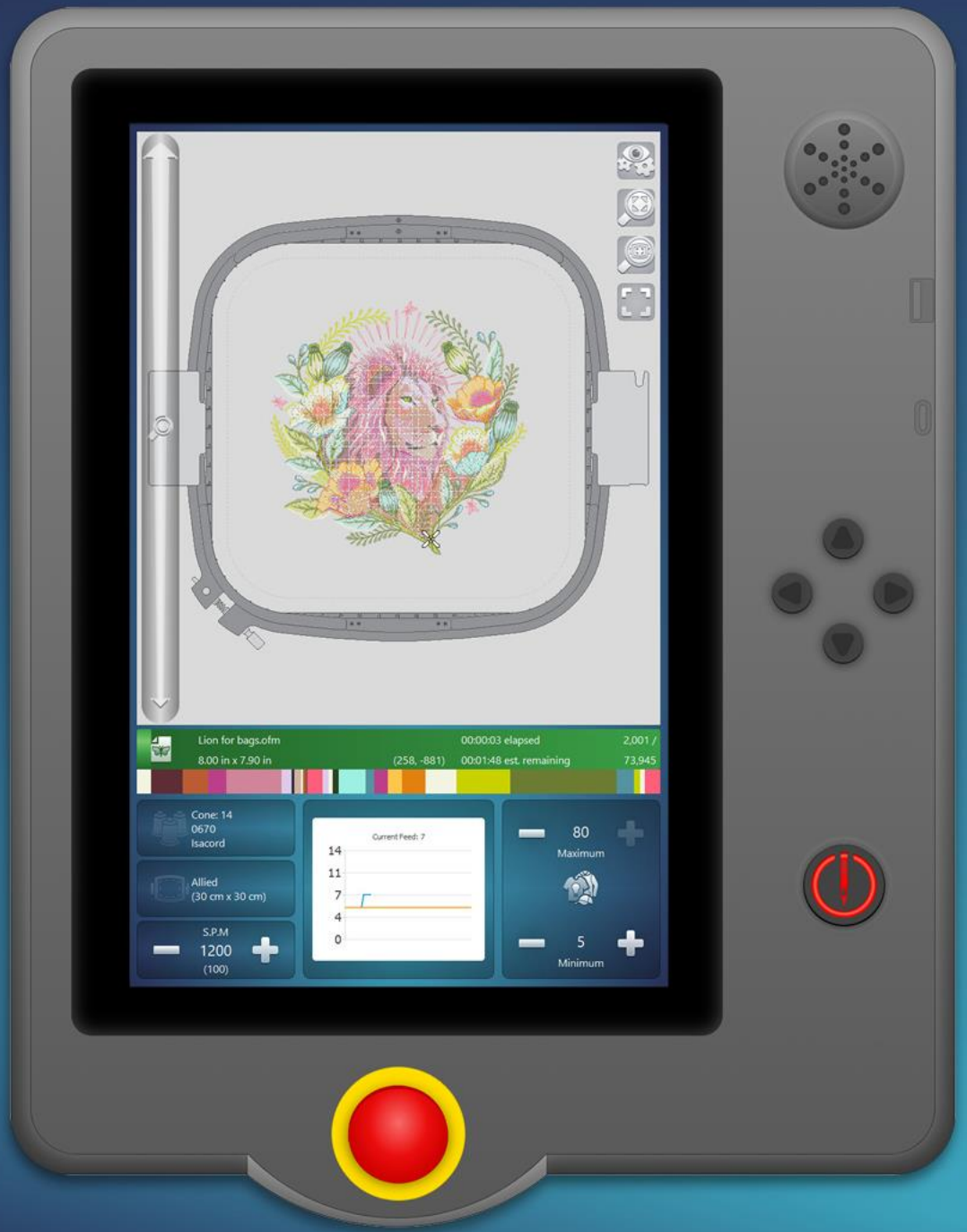
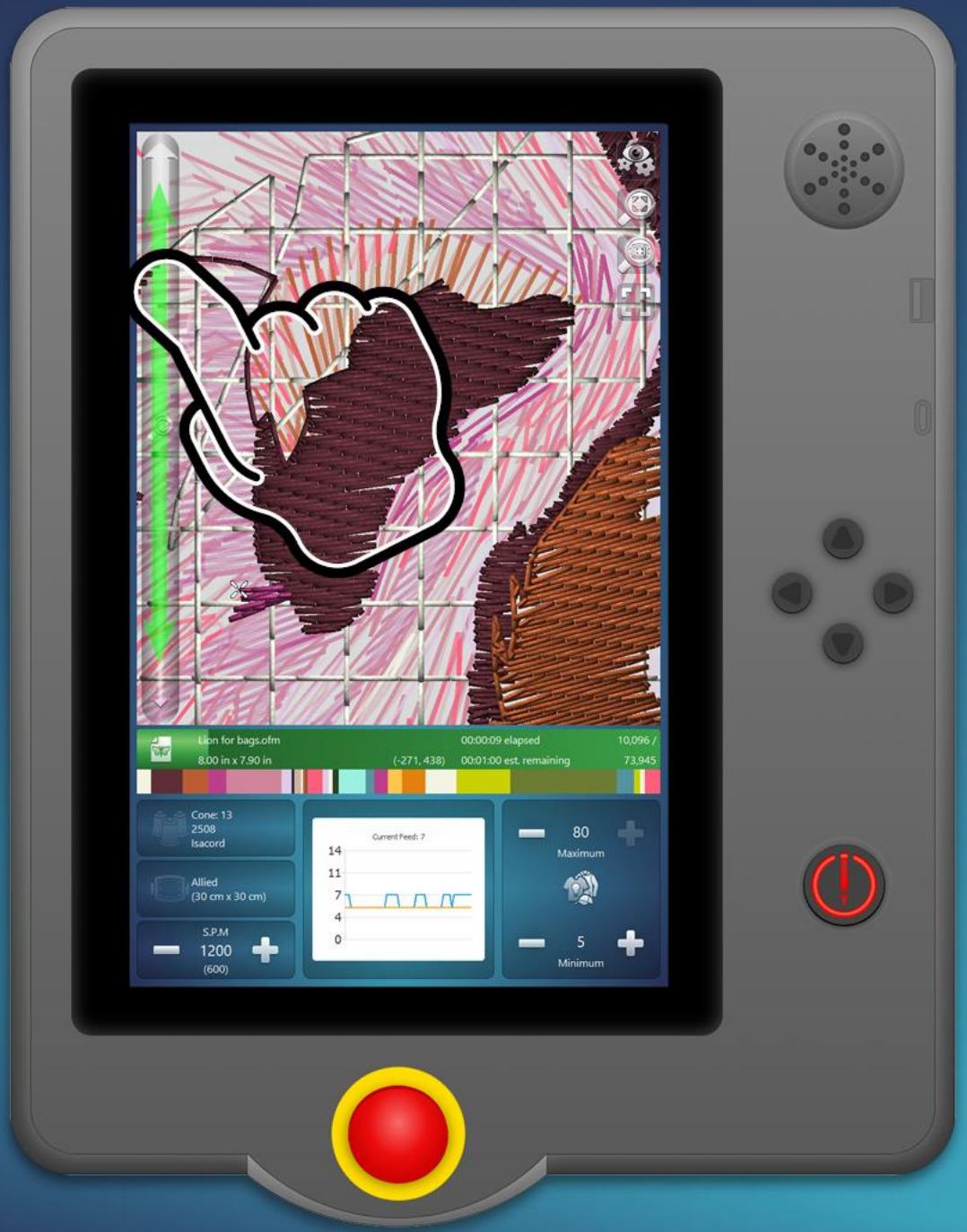


View Window

- Shows Progress
  - 2D = Unstitched
  - 3D = Stitched
  - Current Stitch
- Zoom & Pan
  - View Follows Current Stitch
- Full Screen



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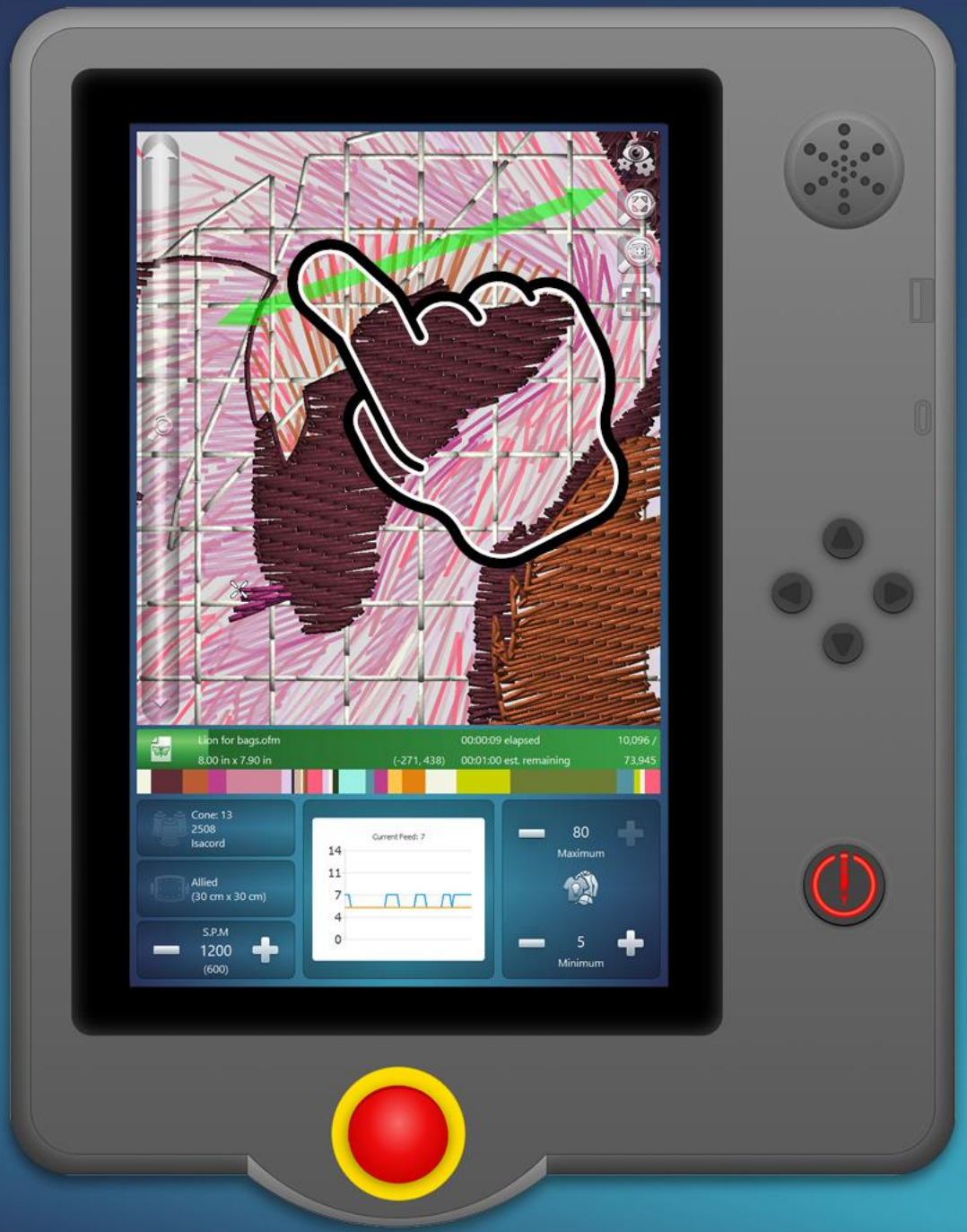

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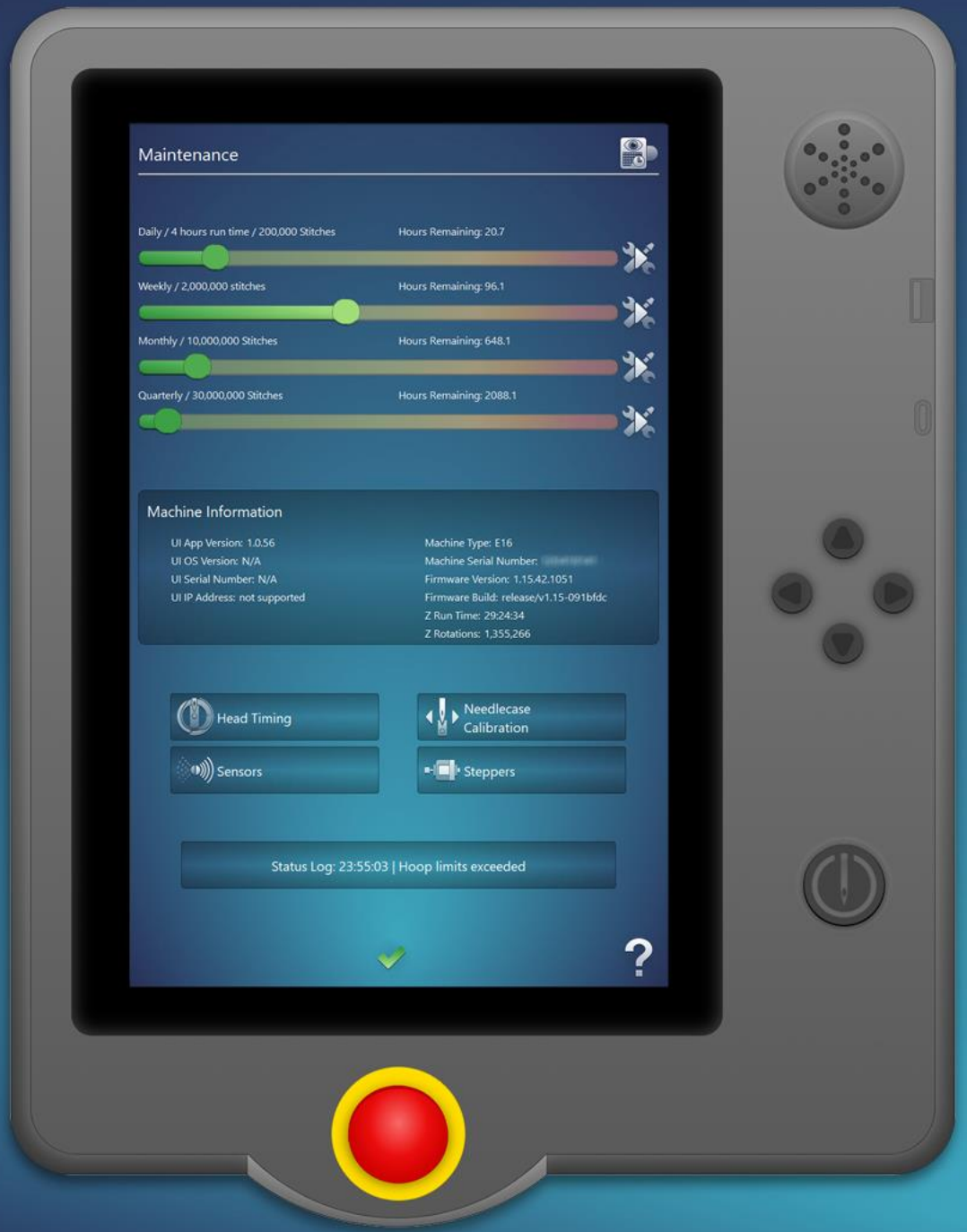
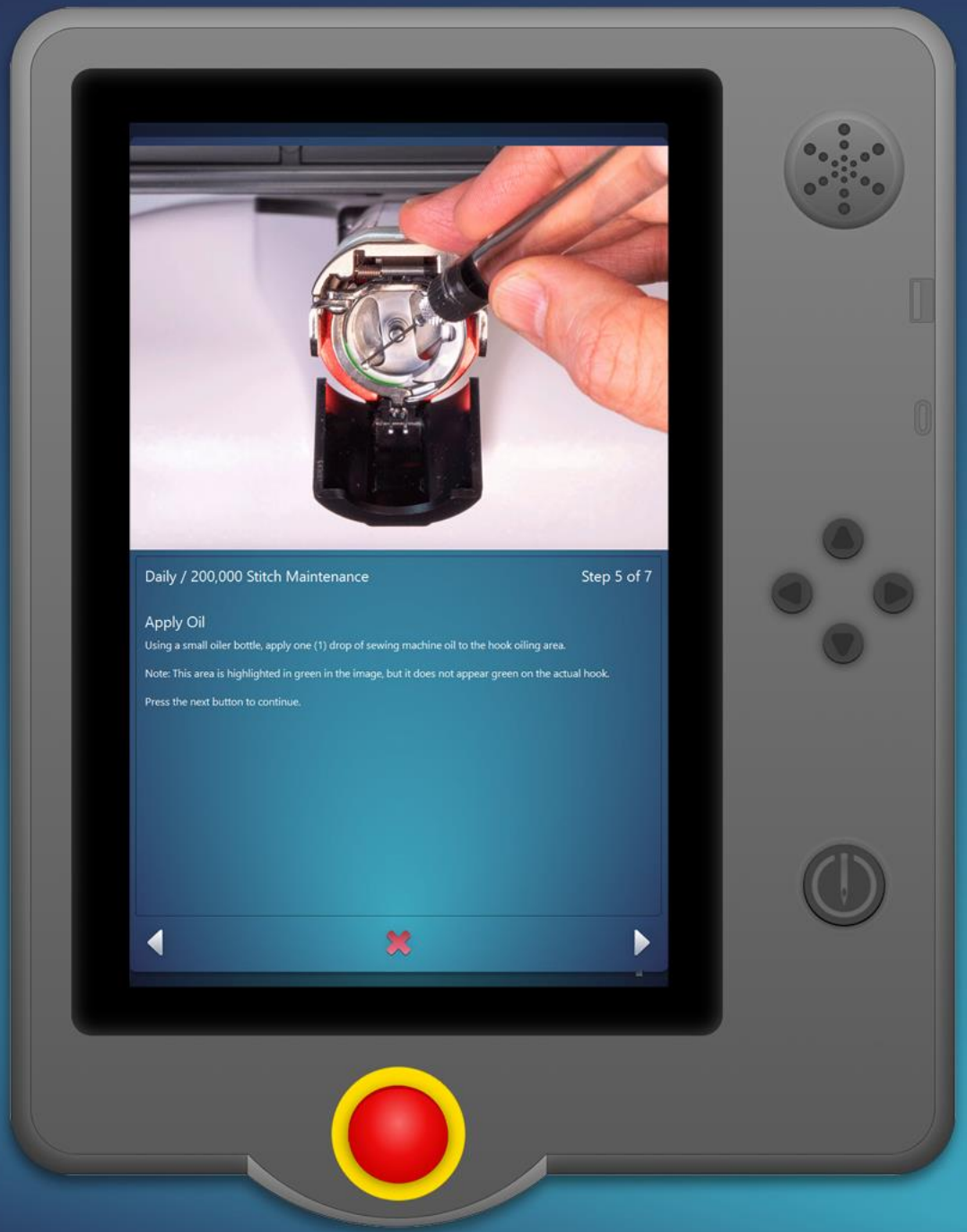
Maintenance

- Maintenance Timers
- Technical Screens



Maintenance

- Maintenance Timers
  - Begin Step-though
  - DUE!
- Technical Screens
  - Head Timing
  - Needle Case Calibration
  - Sensors
  - Steppers



Maintenance

- Step-Throughs
  - Step Back
  - Step Forward
  - Cancel
  - Confirm and Reset Timer

Maintenance

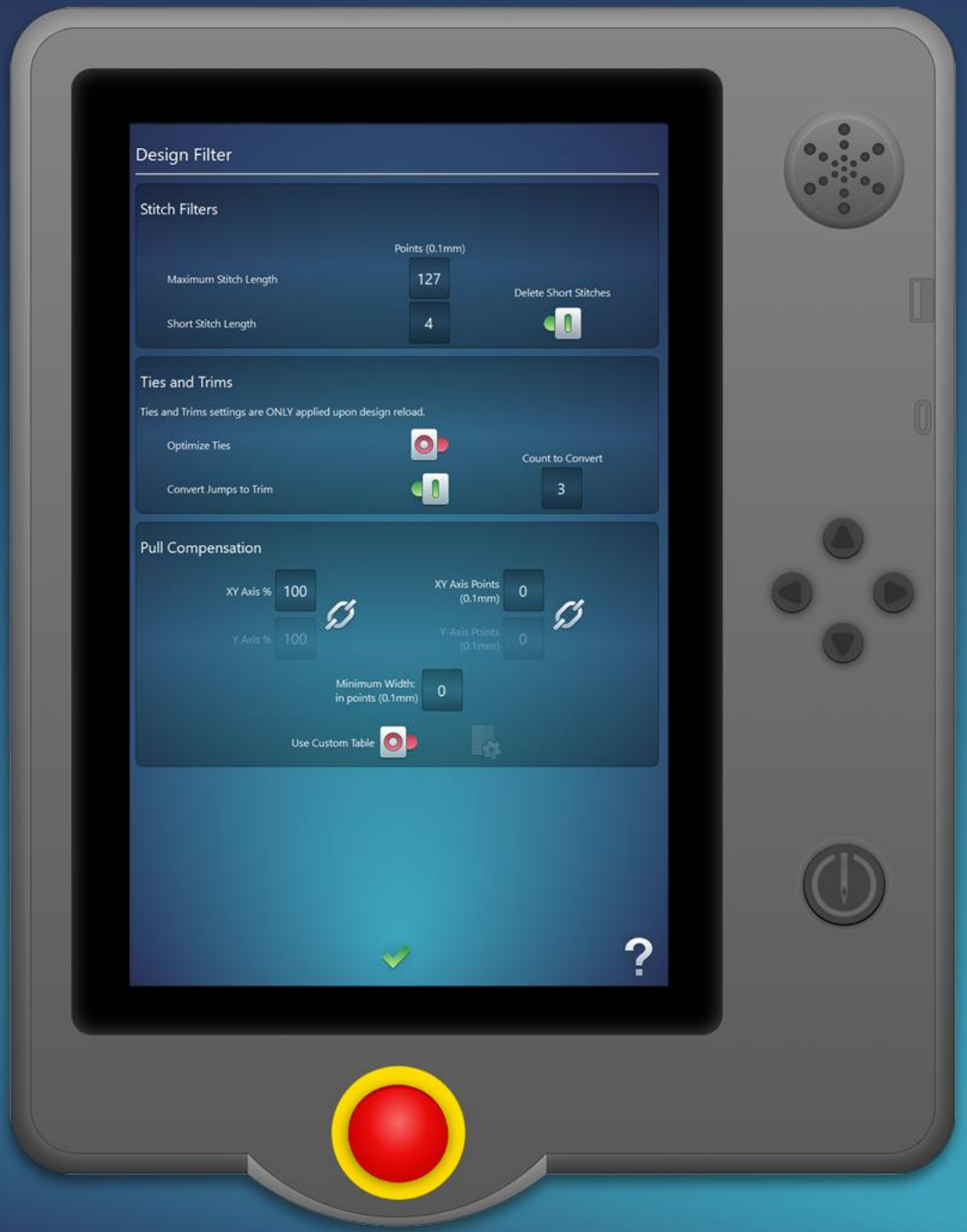
- Status Log
  - Gives a history

Settings

- Touchscreen Settings
- Design Filter
- Advanced Acti-Feed Calibration
- Machine Preferences
- Software Updates

Settings

- Machine Name
- Network
- Time Zone
- Measurement Units
- Touchscreen Settings
- Additional Settings
  - Design Filter
  - Advanced Acti-Feed
  - Machine Preferences
  - Software Update



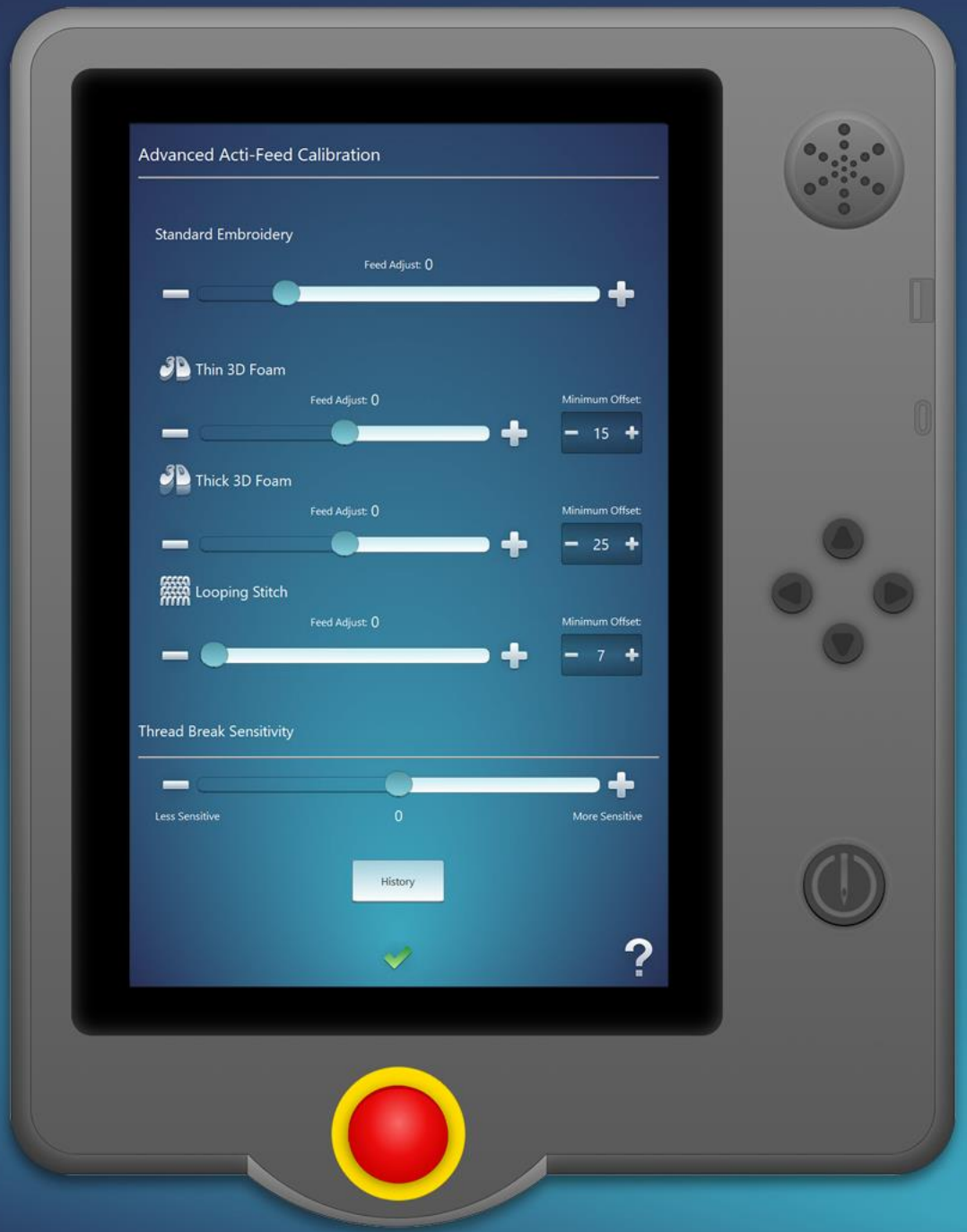
Design Filter

- Stitch Filters
- Ties and Trims
  - If your design is not trimming when it should or trimming when it should be a long satin stitch, look at the Count to Convert.
- Pull Compensation

Machine Preferences

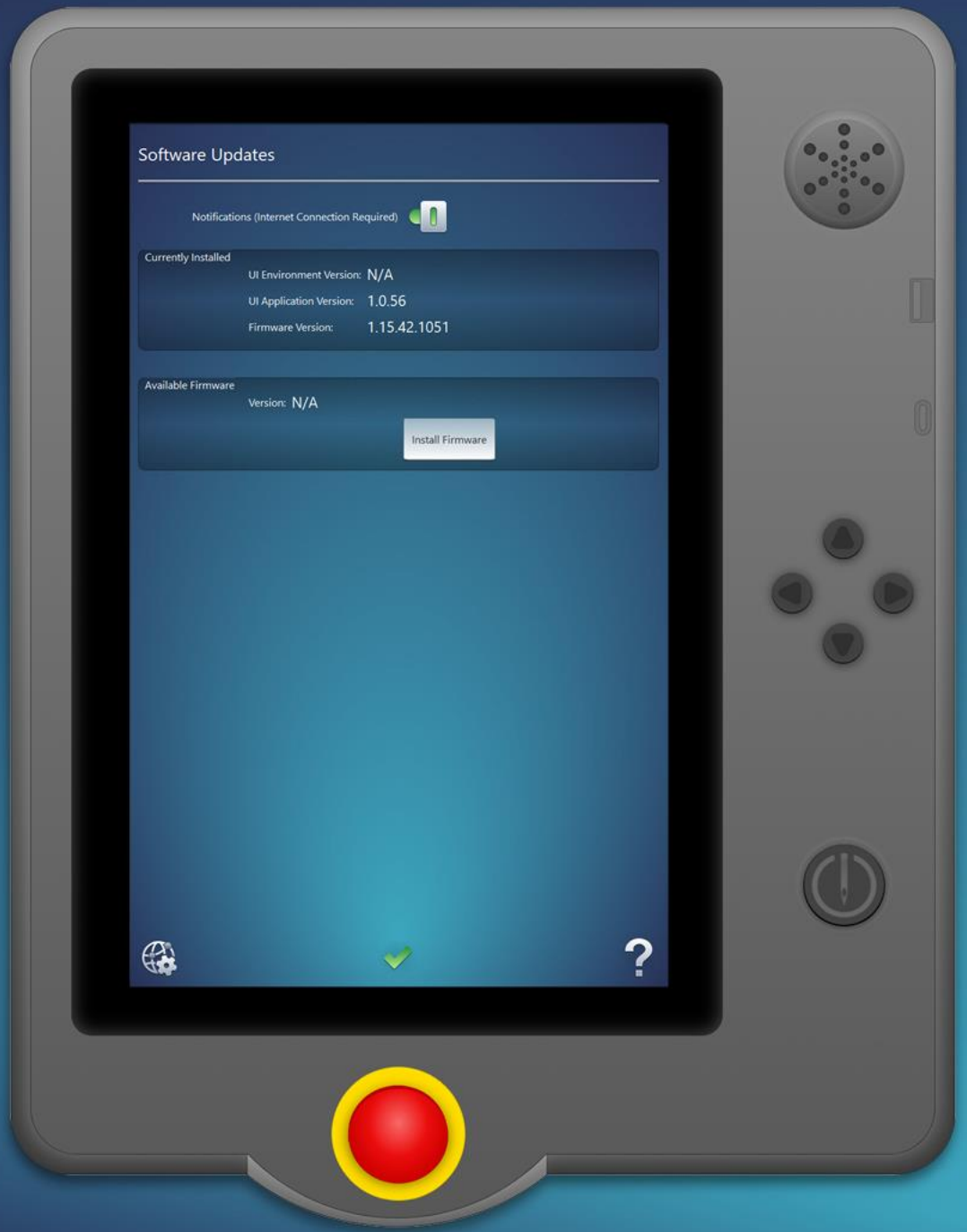
- Thread Break Detection and Backup
- End-of-Design Hoop Behavior
- Trim Types

- Auto Closest Color Match on Load



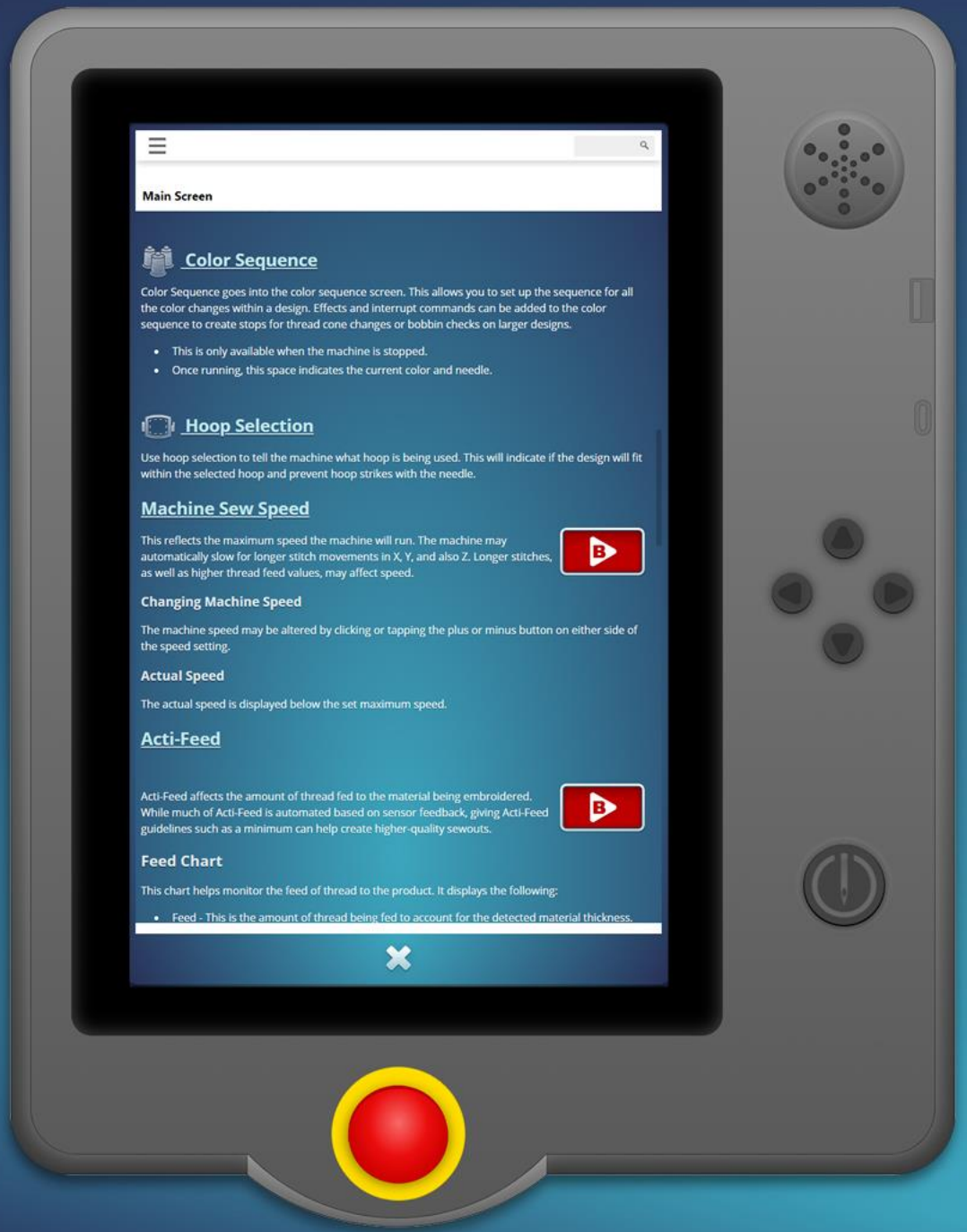
Advanced Acti-Feed

- Adjusts how thread is fed
- Adjusts how the machine responds to sensor feedback
- Adjusts Thread Break Sensitivity



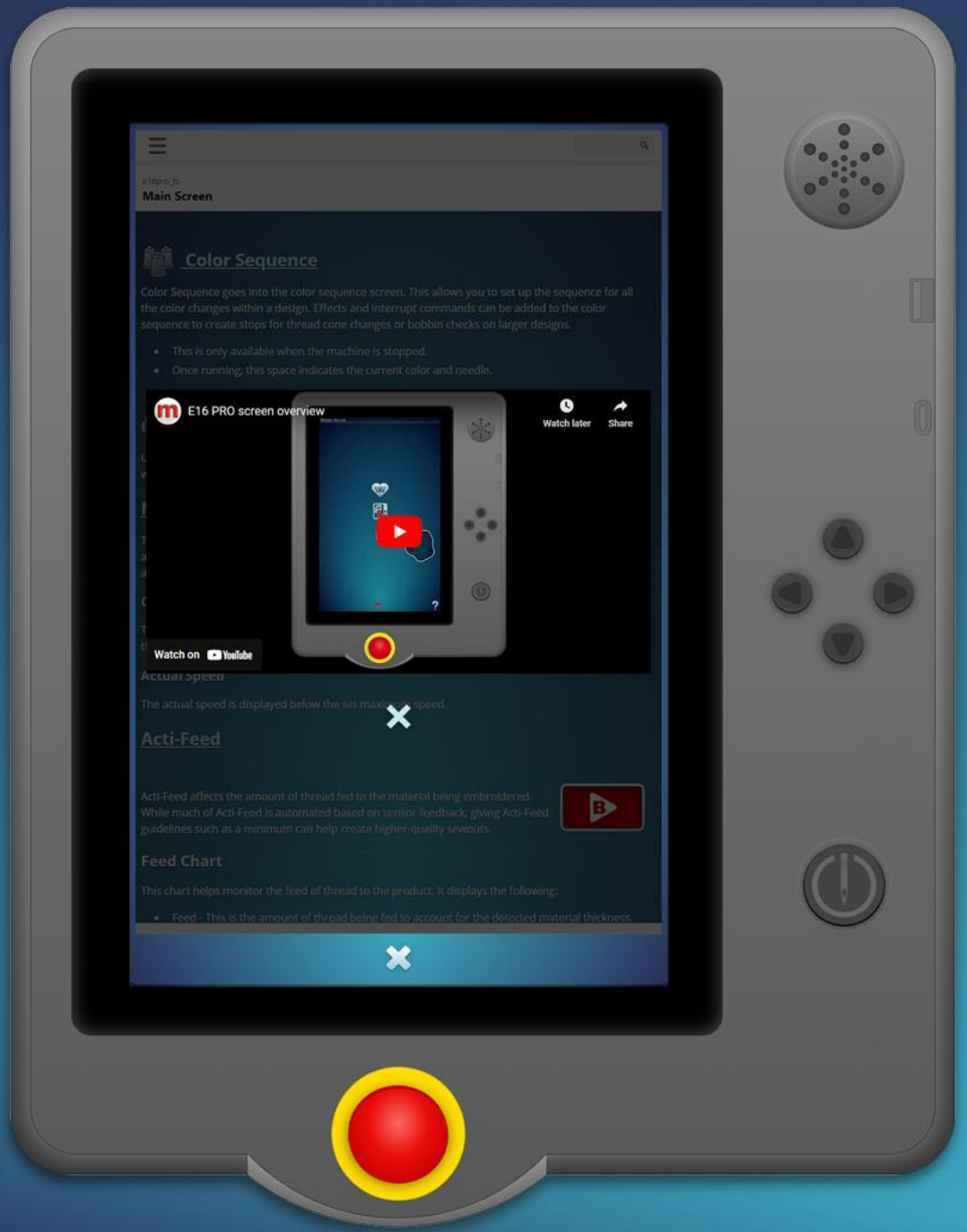
Software Update

- Shows the current software
- Shows what's available to reboot into



? Help

- Shows the manual
- If the internet is connected, shows video content



Help

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