

Meistergram[®]



User's Guide

Contents

Warnings

Installation and Power Up

Overview

Controller Functions

- Thread Trim Function

- Head Rotate Function

- Needle Selection

- Arrow Keys

- Drive Mode

- Idle (Float) Mode

- Color Change Mode

Controller Menu Options

- Disk (Read) Menu

- Machine Parameters Menu

 - Common

 - Advanced

- Design Memory Menu

- Manual Operations Menu

- Assistant Menu

Machine Functions

- Thread Break detection

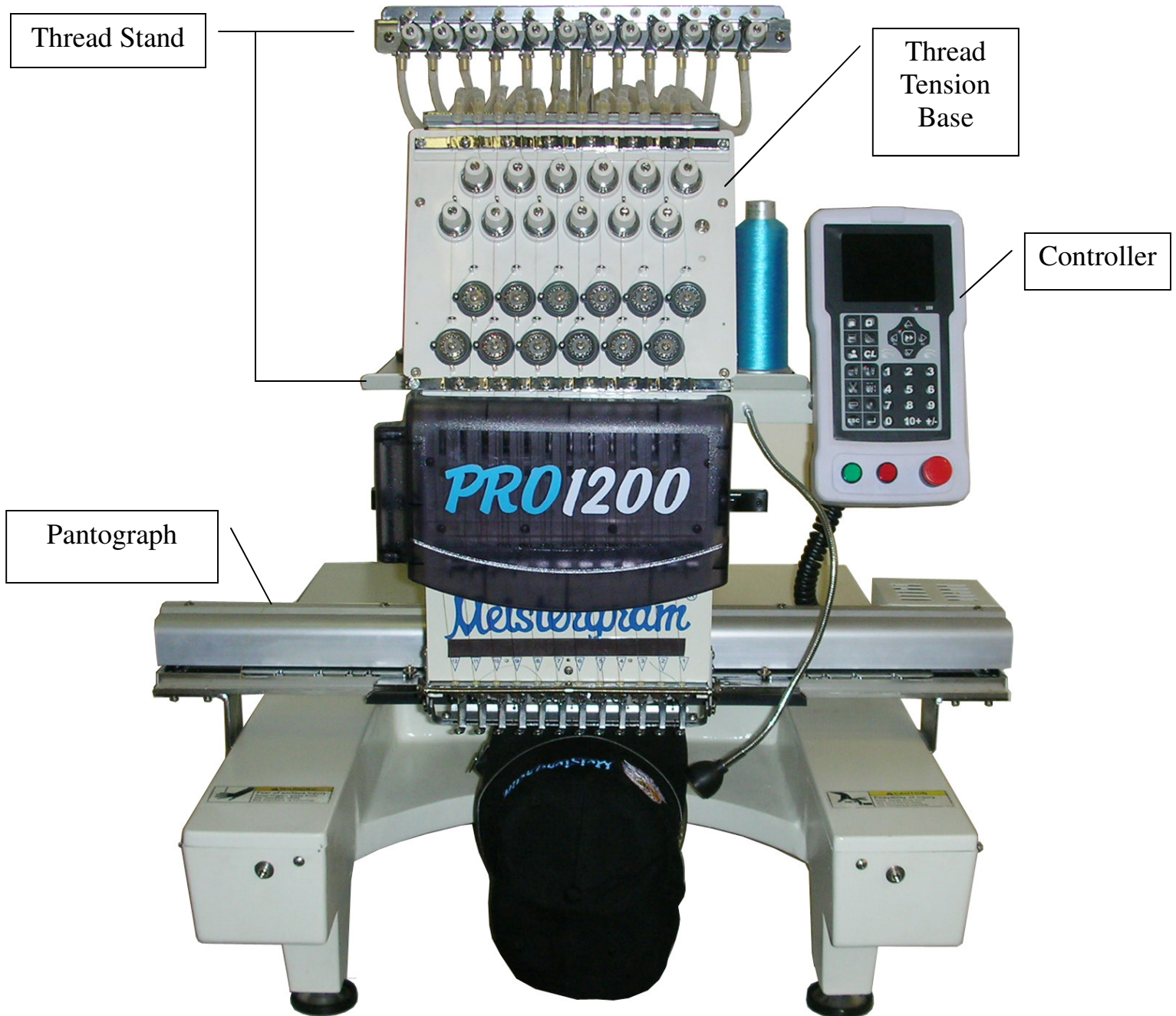
- Automend

Threading

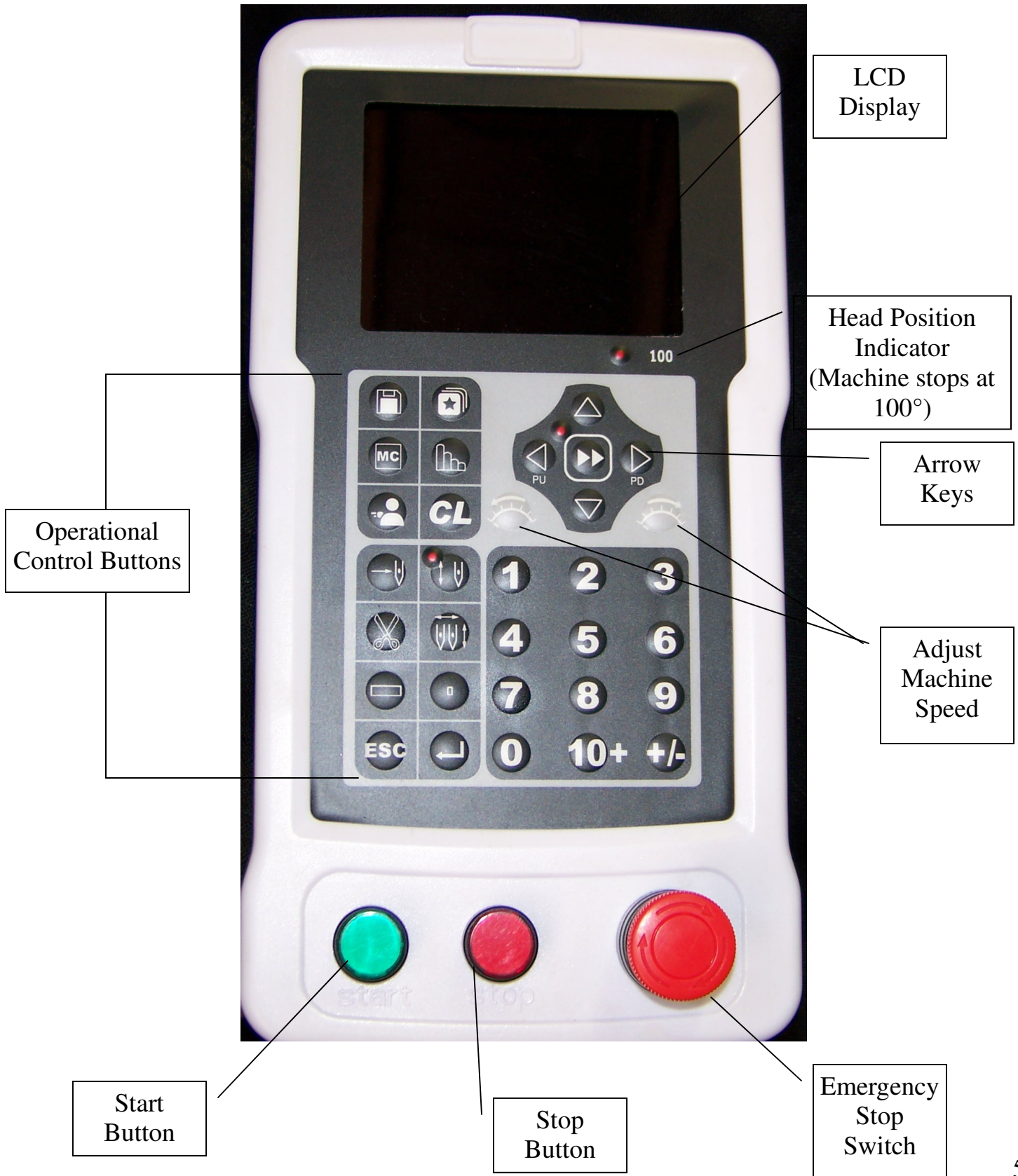
- Top Thread

- Bobbin

Machine Overview

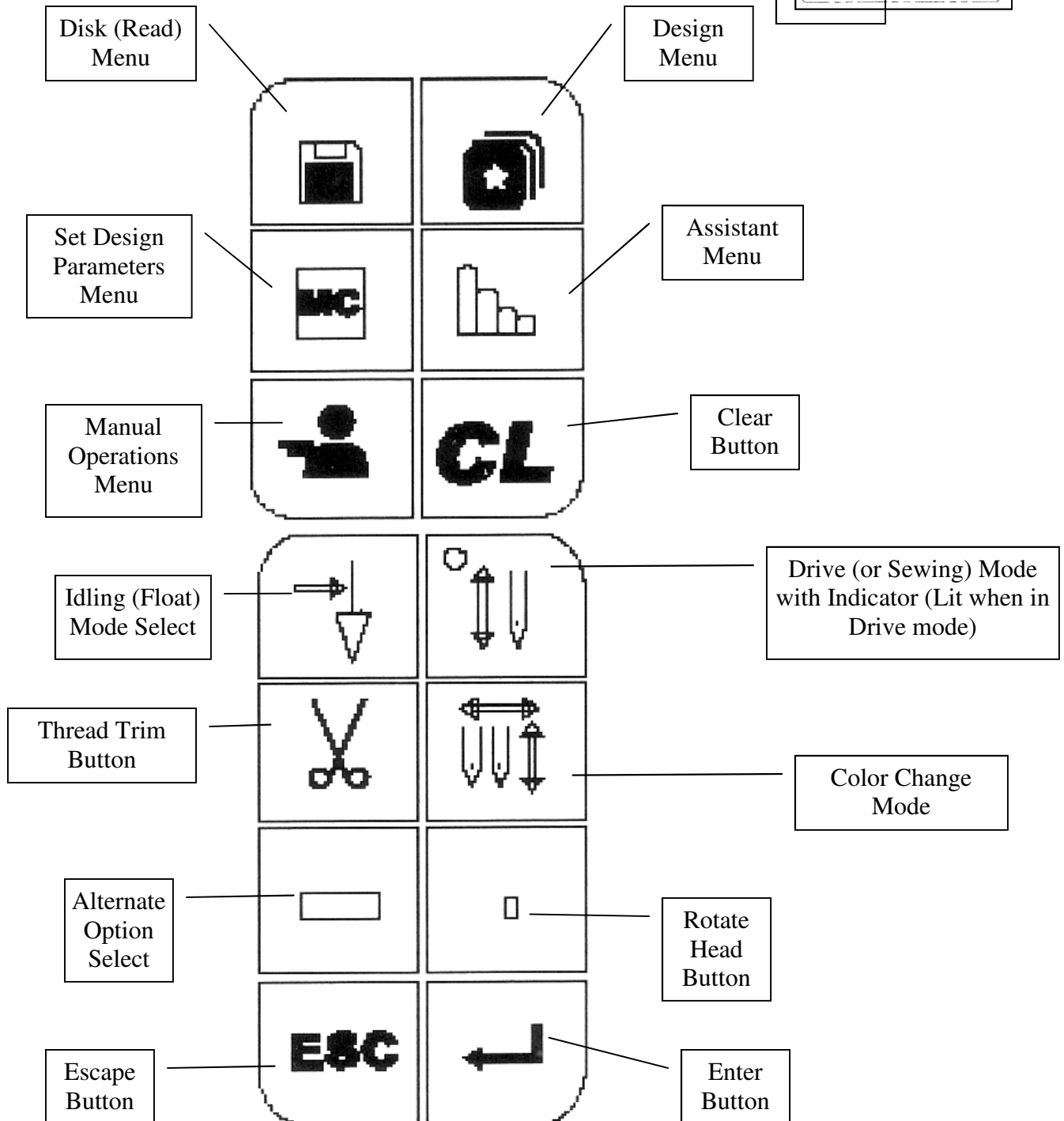
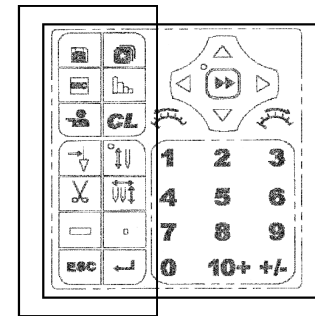


Controller Overview



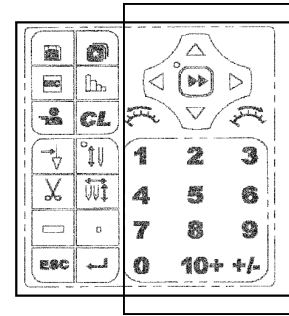
Controller Overview

Button Descriptions

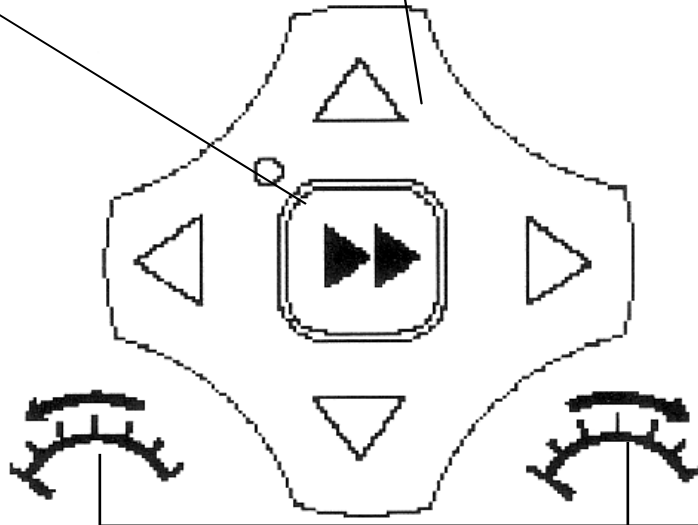


Arrow Keys:

Normally used to move the pantograph frame.
When in any menu, the up and down arrows are used to move up and down the list of menu options and the left and right arrows are used to page up and page down through the menu options

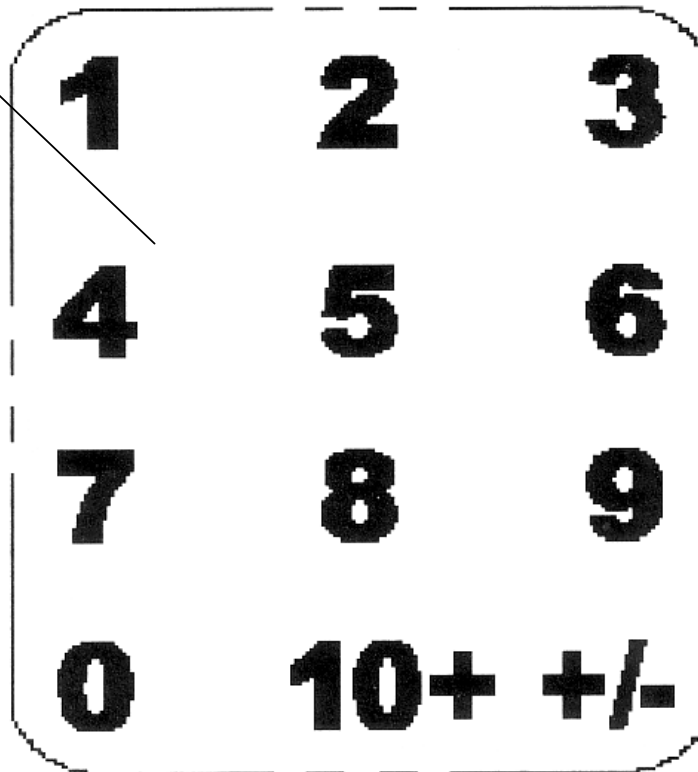


High Speed Pantograph mode. Indicator is lit when pantograph is in high speed mode.



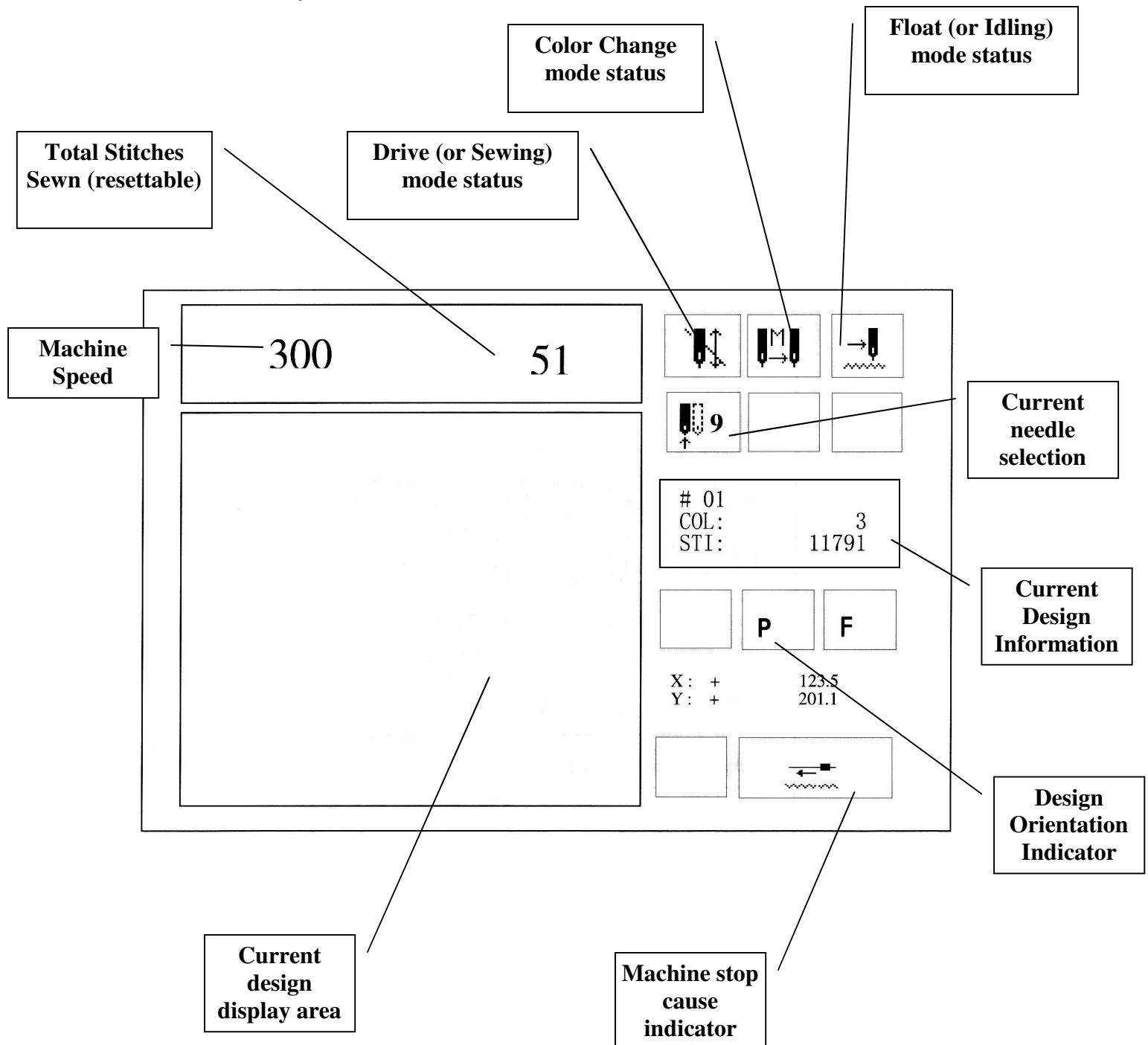
Speed Control Buttons

Numeric Keypad:
Used whenever a numeric entry is required. To enter digits 10 or higher, first press the +10 key and then the corresponding number to equal the needle number desired.



Controller Overview

Screen Layout



Controller Functions

This section covers:

Thread Trim Function

Head Rotate Function

Needle Selection


Arrow Keys

Drive Mode

Idle (Float) Mode

Color Change Mode

Thread Trim Function

The Thread Trim key will cause the machine to perform a thread trim at any time. Simply press 


The machine will then perform a thread trim instantly

Head Rotate Function

If for some reason the sewing head is in a the wrong position, the machine will not start. An error message will appear on the screen that reads:

Error Number: 51

Stop Position Error

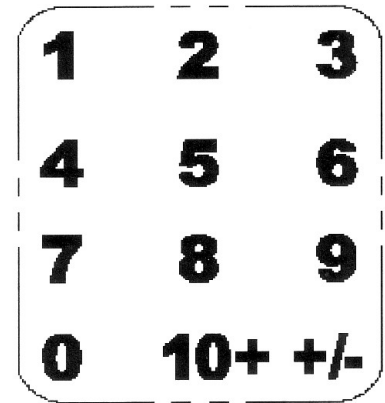
To correct this, or anytime the head needs to be cycled around to insure the proper positioning, press 

The sewing head will cycle around and stop at the proper position.

Needle Selection

To change to a different needle, press the desired needle number from the Numeric Keypad. Then Needles are numbered from right to left.

To select a needle number of 10 or higher, first press the **10+** button and then the corresponding number to add to it to equal the desired needle number. (I.e. to go to needle 12, first press the **10+** button and then the **2** button)



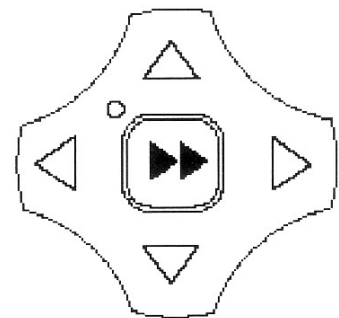
Numeric Keypad

Press the +/- to move over one needle at a time.

Arrow Keys

The arrow keys serve two functions: moving the pantograph frame and moving navigating through different menu options.

When used to move the frame, press the arrow button for the direction the frame should move. To make the frame move faster, first press the High Speed button in the center of the Keys. The LED indicator will light. When the LED is lit, the frame will move at high speed.



Arrow Keys

When any menu is accessed, the up and down arrow keys are used to move up and down the menu list one item at a time. The left and right arrow keys are used to scroll through the list a page at a time.

Drive Mode


Drive mode sets the machine so that when the Start button is pressed, the machine will begin sewing. If the machine is out of drive, the Start button is inactive.



While in Drive, there are certain menu options that are inaccessible. (I.e. You cannot switch designs while in Drive mode) Additionally, there are certain menu options that are only available while in Drive.

Menu options that are available are displayed in blue letters. Menu options that are inaccessible are displayed in white letters.



To access Drive mode and begin sewing, first select the desired design from the Memory menu.



Press the  button. The red light will light up indicating you are in Drive mode.

Also, the icon on the upper part of the screen will change from  to .

Now, if the green Start button is pressed the machine will begin sewing. The red Stop button will stop the machine at any time during sewing.

To exit Drive mode, press the  again. The display will prompt you

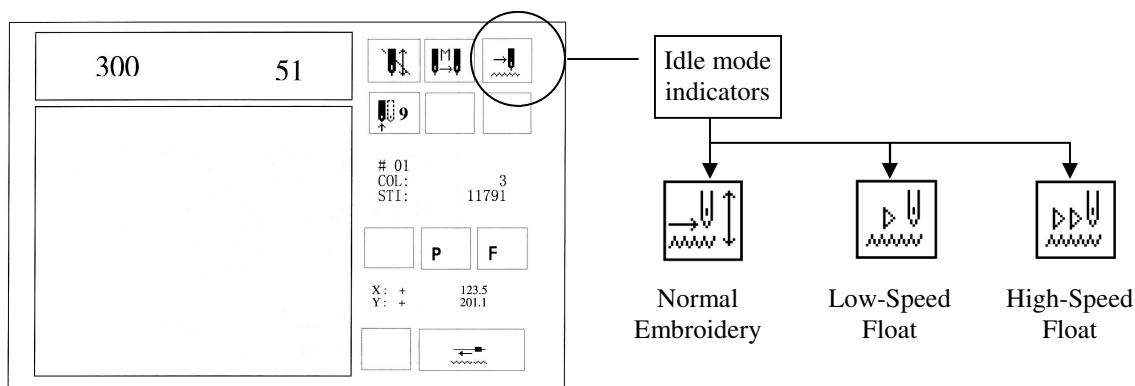
Quit Embroidery? **YES**


Press the  to exit Drive mode or press the up or down arrow keys to change the YES to NO and then press  to continue in Drive mode.

Idle Mode

Idle mode, or Float, is the ability to move through the design without stitching. The Idle Mode button has three settings: Normal Embroidery, Low-Speed Float and High-Speed Float.

The display shows which mode is selected in the top right hand corner of the machine display. Idle mode is only active while in Drive mode.



To change the Idle mode, press the  button on the controller.

The display on the upper right hand of the controller will change to correspond to the mode selected.



Is Normal embroidery mode. When this mode is selected the machine will sew normally when the Start button is pressed.



Is Low-Speed Float. When this mode is selected and the Start button is pressed, the pantograph frame will move through the design stitch by stitch but the sewing head will not engage. To stop the machine, press the Stop button.

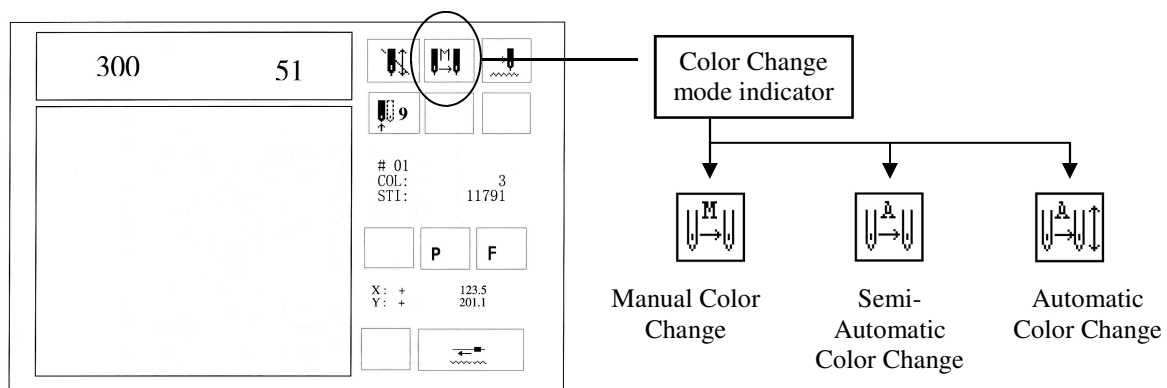



Is High-Speed Float. When this mode is selected and the Start button is pressed, the display will begin drawing the design and the stitch count will increase. When the Stop button is pressed, the display and stitch count will stop at that stitch and the pantograph frame will move to the position that is indicated on the screen.

Color Change Mode


The Color Change Mode determines how the machine will handle color changes within a design while it is sewing. There are three modes for handling color changes: Manual, Automatic and Semi-Automatic.


The display shows which mode is selected in the top of the machine display.




To change the Color Change mode, press the  button on the controller.

The display on the top row of icons on the controller will change to correspond to the mode selected.

 Is for Manual Color Change mode. When this is selected the machine will stop at every color change to allow you to enter the desired needle number and then press the Start button to restart the machine.

 Is Semi-Automatic Color Change mode. When this is selected, the machine will change to the programmed needle number and then stop. To continue the design, press the Start button.

 Is Automatic Color Change mode. When selected the machine will change to the programmed needle number and continue to sew automatically.

Controller Menu Options

This section covers:

Disk (Read) Menu

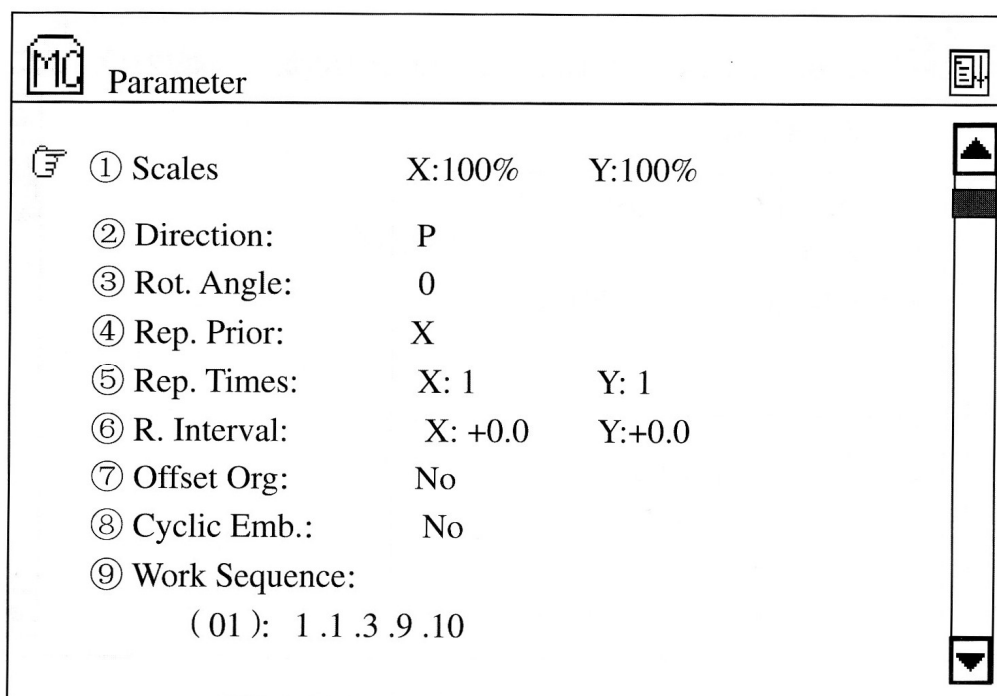
Machine Parameters

Design Memory Menu

Assistant Menu


Machine Parameters Settings

The Machine Parameters setting allow you to change various things about the way the design will sew such as the color sequence or to rotate the design upside



The screenshot shows a window titled "Parameter" with a list of settings. The settings are numbered 1 through 9. The values for each setting are as follows:

Setting	Value
① Scales	X:100% Y:100%
② Direction:	P
③ Rot. Angle:	0
④ Rep. Prior:	X
⑤ Rep. Times:	X: 1 Y: 1
⑥ R. Interval:	X: +0.0 Y:+0.0
⑦ Offset Org:	No
⑧ Cyclic Emb.:	No
⑨ Work Sequence:	(01): 1 .1 .3 .9 .10

To change any setting in the Machine Parameters window, you can use the arrow keys to select that option and then press 

Or you may key in the corresponding number as that selection and then press 

Follow the instructions for each setting in the table to make the necessary changes.


When you have finished making changes to the Machine Parameters, press **ESC** to exit the menu.

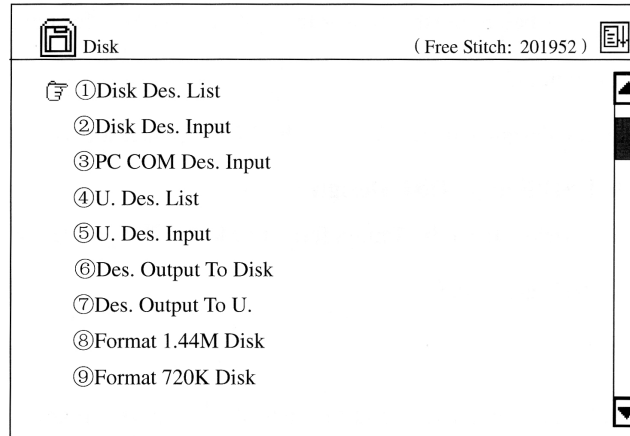
Machine Parameters Settings

No.	Setting	Description
1	Scales	Allows you to expand or shrink the design. Once selected, use the numeric keypad to key in the percentage value for the X direction (left and right) and then press Enter. Then key in the percentage value for the Y direction (top to bottom) and press Enter again.
2	Direction	Rotates the design in 90° increments. It is also you used to mirror image the design. The “P” besides the setting depicts the direction and orientation the design will be sewn. Use the up and down arrow keys to change the orientation of the “P” on the screen. Once you have it oriented in the direction you want your design to be sew, press Enter.
3	Rot. Angle	Allows you to rotate the design in 1° increments. Key in the numeric angle value desired and press Enter. Use in conjunction with the Direction setting to achieve full 360° rotation of any design.
4	Rep. Prior	The machine has the capability to create a matrix of repeated designs. This allows you to sew multiple runs of the same design in the same hoop. The Rep. Prior sets how it will repeat; by column or by rows. Select X to repeat by rows. Select Y to repeat by columns. To change this setting use the up and down arrow keys to toggle between the X and Y setting, then press enter.
5	Rep. Times	Use this to set how many times the design will repeat in each direction. Set X for the number of times to repeat in the X direction (columns) and Y for how many times to repeat in the Y direction (rows). Enter a numerical value first for X, then press Enter and enter the numerical value for Y.
6	Rep. Interval	Sets the distance of the repeated designs are apart in millimeters. This is the distance is from the last stitch of the first design to the first stitch of the next design. First enter the distance for the X value in millimeters. This sets the horizontal distance between designs. Then press Enter. Next, enter the Y value to set the vertical distance of the repeats and then press Enter.
7	Offset Org.	Allows you to set an offset of the frame at the end of a design. To set, select this option. The machine will then prompt you to move the frame to the desired offset position. Use the arrow keys to move the frame to the desired point and then press Enter. Note: This option is only available while in Drive Mode.
8	Cyclic Emb.	Sets the machine to repeat the same design continuously without stopping. Use the arrow keys to toggle the setting between “Yes” and “No”.
9	Work Sequence	<p>Sets the color sequence of a multi-color design. Once selected, enter the numeric value for the first color in the design (note: <i>to set the value for needles 10 and up, press the “10+” key and then the other digit.</i> i.e. for needle 12, press the “10+” and then the “2” keys.) then enter the second color in the design and then the third and so on. Be sure to enter the same number of colors as there are in the design. When you have entered all the colors, press enter.</p> <p>A prompt will pop up that says “Circulated the setting before:” Press Enter to set it at “No” to stay on the last color programmed even if there are more color changes in the design than what was programmed. Press the up or down arrow key and then Enter to set it at “Yes” to have the machine repeat the color change sequence for any additional color changes than what was programmed.</p>

Disk (Read) Menu

The Disk menu allows designs to be loaded into the machine. There are 3 basic options for getting designs into the machine: Floppy Disk, USB Flash Disk or the *Serial Port (*Not all machines have the Serial Port enabled).


After pressing  to enter the Disk menu, the screen below will be displayed.



Each option has specific function. An overview of each option is listed below.




Item No.	Name	Description
1	Disk Des. List	Lists the designs found on a floppy disk when the floppy disk
2	Disk Des. Input	Allows the input of designs from a floppy disk
3	PC COM Des. Input	Allows for input of a design through a 9-pin Serial Port. (Not all models)
4	U. Des. List	Displays designs found on a USB flash drive
5	U. Des. Input	Allows the input of designs from a USB flash drive
6	Des. Output to Disk	Saves designs to a floppy disk
7	Des. Output to U.	Saves a design from memory to a USB flash drive
8	Format 1.44M Disk	Formats a 3.5" HD floppy disk
9	Format 720K Disk	Formats a 3.5" DD floppy disk

To select any option in the Disk Menu, you can use the arrow keys to select that option and then press .




Or you may key in the corresponding number as that selection and then press .

To exit the Disk Menu, press .

Inputting a design to sew from a USB Flash Drive

1. Press  to enter Read Mode.
2. Press **5** on the numeric keypad and then .
3. Any patterns stored on the USB flash disk will be displayed. Using the arrow keys, select the desired pattern and press .
4. A message will appear on the screen that reads:

Filt Empty Stitch?

5. press  to continue
6. The machine will ask which memory slot to place the design. To accept the one the machine chooses, press
7. The machine will then ask for a name of the design. To accept the assigned name, press .
8. Once the design is transferred into the machine, the Machine Parameters window is displayed. This allows you to change various things about the way the design will sew such as the color sequence or to rotate the design upside down. To change the settings, refer to the Machine parameters section of this guide.
9. Once you have finished setting the parameters, press .
10. The machine will automatically be placed in Drive mode with the indicator lit on the button.
11. Press the green Start button on the controller to begin sewing.

