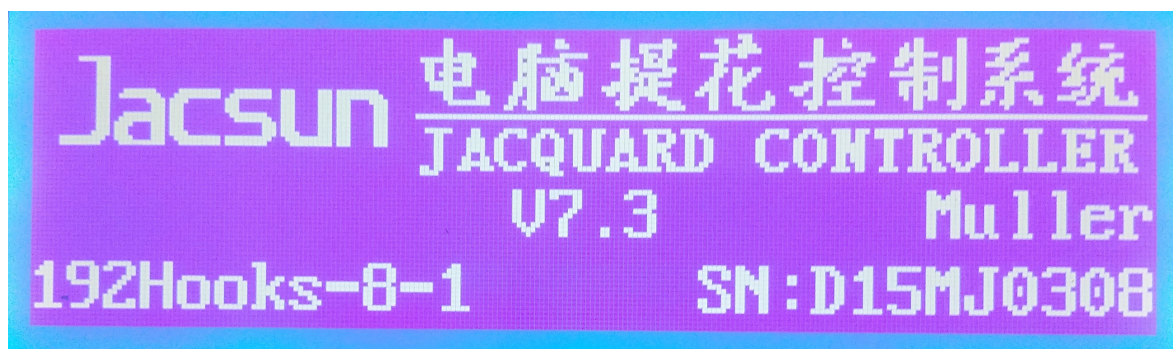


Make sure that POWER is OFF before maintaining.

一、Start Menu:



The controller uses optical fiber to communicate.

- *It displays soft version and jacquard Hook number(array) and series no etc.
- *Press any key to the Weaving Menu.
- *MJ is Muller Jacquard.

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二、Weaving Menu:



1) Press the hot key of F1/F2/F3/4/F4 to execute the relative function as follows:

F1-----Jacquard configuration parameters.

F2-----Read Usb Disk and select a design to work etc.

F3-----Test jacquard memory and signals etc.

4-----system device status.

F4-----Exit this Weaving-menu to Start menu.

2) Modify parameter:

(A) Current Pick No:

① Press the key of Left/Right/Up/Down arrow to move cursor

(\Rightarrow) to the item of Current Pick No.

② Press the key of Sure, then there occurs a sparkling cursor.

③ Press the key of Up/Down arrow to increase/Decrease Pick No.

④ If finished, Press the key of sure to close sparkling cursor.

(B) Current Shift:

① Press the key of Left/Right/Up/Down arrow to move cursor

(\Rightarrow) to the item of Current Shift.

② Press the key of Sure, then there occurs a sparkling cursor.

③ Press the key of Up/Down arrow to change A/B/C Shift.

Repeats Woven parameter will be changed by A/B/C Shift.

④ Press the key of clear to clear Repeats Woven parameter to zero.

⑤ If finished, Press the key of sure to close sparkling cursor.

(C) Repeats Woven:

It is the weaving production. It can not be changed, only can be cleared.

(D) Weave schedule:

If the Repeats Woven is equal to Weave schedule, then Weaving machine Is stopped.

(E) Weaving time:

① It is the running-time of weaving machine.

② Press the key of clear to clear the time value. This parameter can not be changed.

(E) Speed...: It is the machine-running-speed.

三、 File Utilities Menu:

In Weaving Menu, Press the key of F2 to this menu as follows:



- ① When machine is running, the operation is disable.
- ② Press the key of Left/Right/Up/Down arrow to move cursor(⇐⇒) to the relative function.
- ③ Press the key of sure to execute the relative function.
- ④ Press the key of F4 to exit to the Weaving Menu.

(A) Read From Usb Disk:

- ① First, List file names In USB Disk.
- ② Press the key of F2 to select file to be read. It occurs “#” before the Selected file.
- ③ Press the key of sure to read the selected file data to system.

(B) Select a Design to Work:

- ① List the file names in system.
- ② Press the key of F2 to select a design file to be woven. It occurs “#” before the Selected file.
- ③ Press the key of sure to select the design file to work.

(C) Delete a Design From memory: This operation is the same as (B).

四、 Configuration Menu:

In Weaving Menu, Press the key of F1 to this menu as follows:



Note: The configuration parameters can not be modified by random. They must be modified by special engineer. Otherwise, The Jacquard can not work normally.

1: In order to modify the parameters, you must input the password(permit).

2: How to modify? (permit:123678)

① Press the key of Left/Right/Up/Down arrow to move cursor(⇐⇒) to the item to be modified.

② Press the key of Sure, there occurs a sparkling cursor.

③ Press the key of Up/Down arrow to modify the relative parameter.

④ If finished, Press the key of sure to close sparkling cursor.

Press the key of F4 to exit this menu and save the modified parameters.

3: Jacquard Hooks: Jacquard Hook number and Jacquard array.

For example:192-8-1--Jacquard hook number:192, the array is 8 hooks from front to back, one jacquard.

This must be the same as the real jacquard hook number and array.

4: Ext. name of file: the file extend name for reading USB Disk.

JC5-----Staubli file format.

UPT-----Muller file format.

EP4/EP1-----Bonas file format.

PMT-----Korea file format.

5: 1st-Hook Position: This parameter is to decide the 1st hook position of jacquard among Left-Back, Left-front, Right-Back and Right-Front.

Note:

(1) If you change this parameter, you must read the file from USB disk again.

(2) This parameter is different from the used-CAD-system.

(3) The encoding switch(S1) is beside 34 flat-cable. The encode is Hex code (from 0 to 15).

(4) The first driving PCB is at the back of jacquard, and the encode is switched to 0. The subsequent driving PCB is switched from 1 to 15 in turn until the front driving PCB. The encode is continuous, but is not repeated.

6: OE Time-Limited: (Unit:second)

This parameter is to protect the magnetic modules against too hot

Because the magnetic-modules are power on for too long time.

7: **Vertical Flip:** To flip the file data between head and tail.

8: **1st-position in CAD:**

If the 1st hook position is left in CAD, system will be selected “Left”.

If the 1st hook position is right in CAD, system will be selected “Right”.

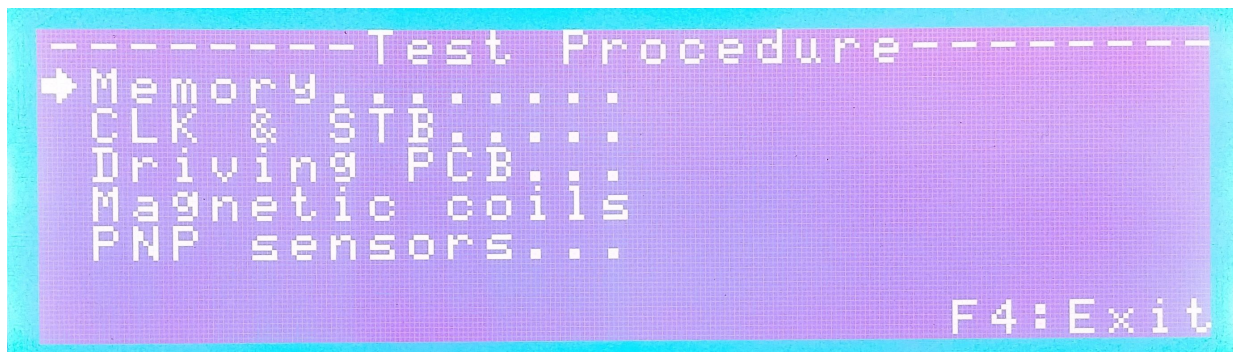
9: **Permit:(permit code:123678)**

Before you modify the config parameters, you must input password here.

- ① Press the key of Sure, then there occurs a sparkling cursor.
- ② Input the six password key (this system will display *****). If finished, press the key of sure to close sparkling cursor and you can modify parameter.
- ③ If the password is not correct and press the key of sure, you must input The password again. Or press the key of clear to cancel the input process.

五、 Test procedure Menu:

In Weaving Menu, Press the key of F3 to this menu as follows:



- ① Press the key of Left/Right/Up/Down arrow to move cursor(☞) to the relative function item.
- ② Press the key of Sure, then there occurs a symbol ✓ .
- ③ Press the key of F3 to test in odd times or stop test in even times.
- ④ Press the key of Sure to cancel a symbol ✓ and stop test.
- ⑤ During test-process, system displays “auto-test...”.

1: Memory:

Test the memory In the interface CPU PCB at back of Jacquard.

2: Signals:

*Simulate the machine-running-state to test the reliability of Driver-PCB and flat cables.

*Press the key of F2 to display the number which is a counter for Jacquard data-transfers-not-reliable times.

3: CLK&STB: Make signals of CLK and STB sparkle every 1 second In Driver-PCB in order to check by user.

4: Magnetic coils: This function is to test if the coils are short-circuit or not.

Note: Dot(.):coils are OK, X:the coil is short circuit.

▼ Coil No. ▼

		111111111122222
		123456789012345678901234
C	1	..x.....
O	2x.....
I	3
L	4
	5
	6

▲PCB No.

It indicates that the 3th's coil in 1st driving PCB and the 8th's coil in 2nd driving PCB are short circuit.

5: PNP Sensors:

It is to check if the PNP sensors are right or not,when the sensors are blocked.

六、 Device status Menu:

In Weaving Menu, Press the key of 4 to this menu as follows:



** Press the key of F4 to exit to the Weaving Menu.

** Press the key of clear to clear fault such as Dat transfer and Oe time out.

1: Memory in interface PCB.:

This indicates the status of memory in the interface CPU PCB at back of Jacquard.

2: FRAM In MainPCB:

In this system, FRAM is used to save the weaving parameters such as Pick No.etc.

3: Flash memory In MainPCB:

When the file is read from USB Disk, the file can not be saved to the system Memory. This system will display this fault.

4: Communication...: This indicates the status of communication between the Main CPU and the interface CPU at back of Jacquard. We use optical fiber to communicate in this system.

5: Onload time out:

When the machine stopped, If the time for magnetic modules power on is over OE Time-Limited, OE time out will display fault and make magnetic modules power off.

6: Magnetic coils...[F1]:

Press the key of F1, then display the magnetic coils' status as section 5.5.

7: Dat parity...[F2]:

This indicates fault when system transfers the jacquard dat incorrectly. Press the key of F2, It displays status of all driving PCB.