
Edition No.: 2024 Rev 0

EW Wire Stripping Laser Marking Machine

Operation Manual

(FOR RBEW3035+L)



一、Laser marking operation instructions



1.01、 before power preparation: add pure water or distilled water in the water machine, and add water to the part above the green water level (Water dispenser, change once every two months).



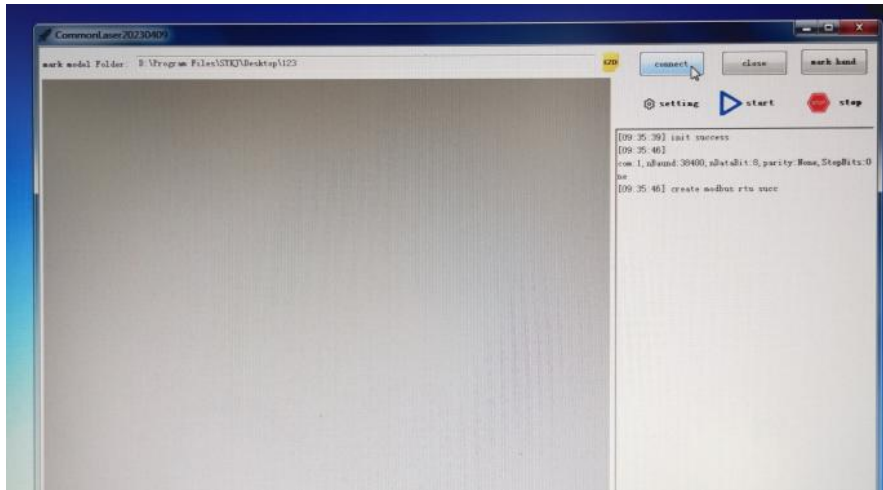
1.02、 Power on the equipment: After the water dispenser is filled with water, check whether the power supply voltage is correct, and then turn on the equipment.



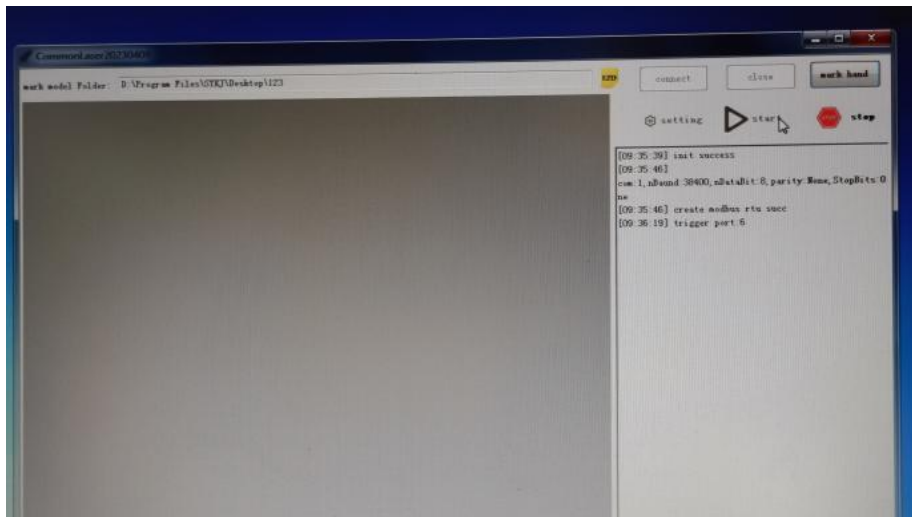
1.03、 After the power is off, turn on all the switches, turn on the computer and laser power.



2.01 Double-click the icon above on your computer to open the laser marking software.

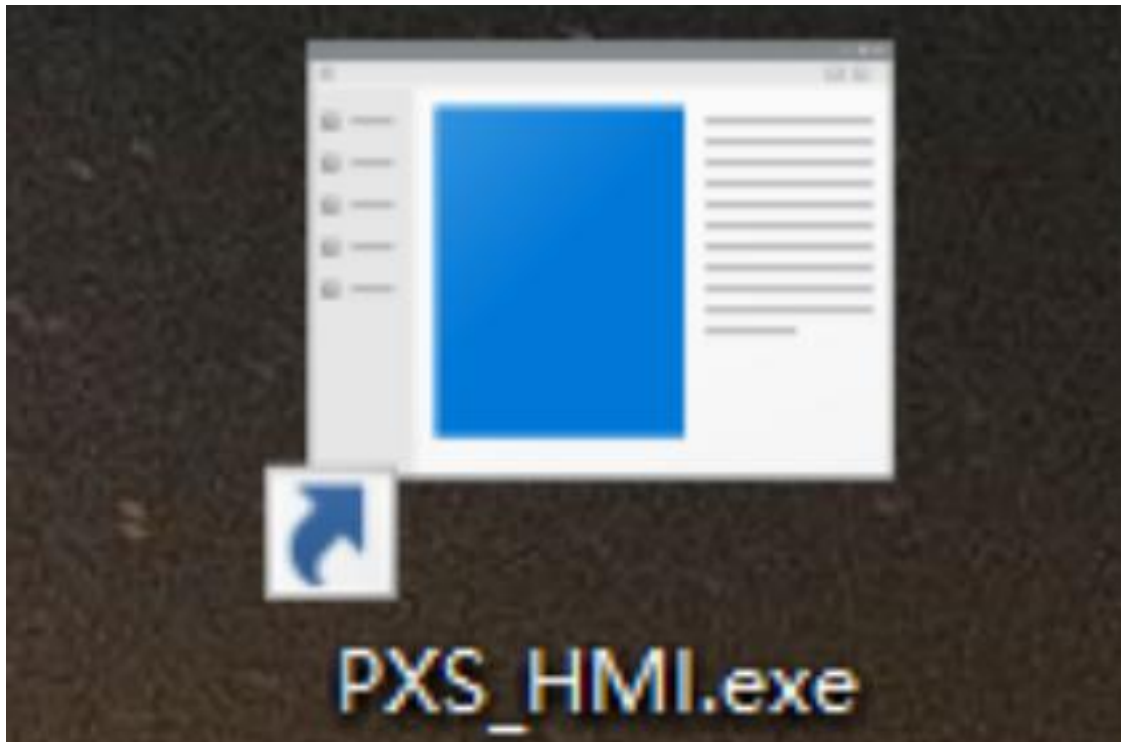


2.02、 Click connect to open the connection communication (the laser communicates with the stripper computer to mark the content that the stripper needs Real-time transmission to laser marking machine)



2.03、 Click start to open the laser marking switch and the marking machine starts to run.

二、Stripper machine industrial control operation instructions

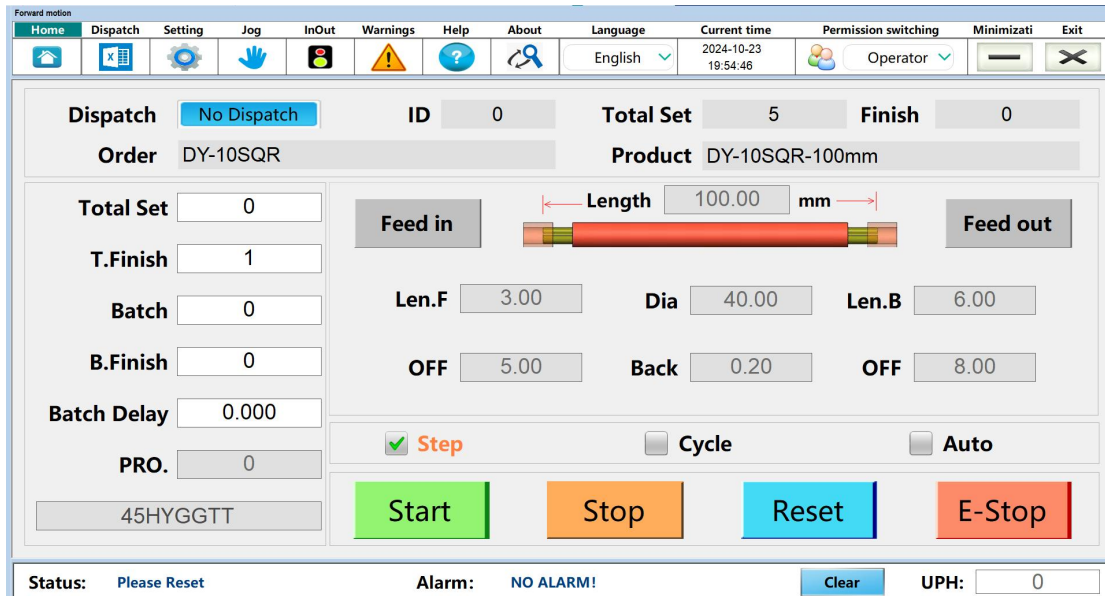


3.01、 Double-click the above icon on your computer to open PXS_HMI.



3.02、 Enter the system password: the operator password is factory (1234), enter the password and press the confirm key to enter the operation surface.

3.03、 Administrator password: (5678)



4.01、 Task bar page switch: home page, order page, parameter setting, manual debugging, IO monitoring, alarm, alarm, etc. Help, About, Language switch, current time, permission switch, screen minimize, close the software.

4.02、 Display order content: order status, serial number, total amount, count, order number, product name.

4.03、 Set total: refers to the total output of the set work, the input data can not be less than the quantitative input data.

4.04、 Total count: Cumulative production quantity.

4.05、 Set quantitative: input how many parameters the machine operation how many times automatic shutdown, input 0 for no quantitative data, the machine will
Will not automatically stop, reach the set total amount of data will stop.

4.06、 Quantitative counting: Quantitative counting in each cycle.

4.07、 Single pause: Each quantitative pause time, when the parameter is 0, it is closed.

4.08、 Total length: the total length of the cutting wire.

4.09、 Wire end: the length required for the head end of the wire.

4.10、 Head stripping: the length of the rubber strip at the end of the wire. If the head stripping parameter is less than the head parameter, it is called half stripping. If the head stripping parameter is less than the head stripping. If the parameter is greater than the wire end parameter, it is called full stripping.

4.11、 Tail of wire: the required length of the end of the wire.

4.12、 Tail stripping: the length of the rubber strip at the end of the wire. If the tail stripping parameter is less than the tail parameter, it is called half stripping. If the stripping parameter is greater than the line tail parameter, it is called full stripping.

4.13、 Wire diameter: refers to the cutting section of the number of steps out of the tool holder drive motor, controls the depth of cutting skin at the end of the wire head and the diameter of the wire core. The larger the parameter, the larger the opening of the upper and lower tool, the shallower the cutting depth, and the smaller the core diameter parameter, the opening of the upper and lower tool

The smaller it is, the deeper the peel.

4.14、 Retracting: The blade cuts into a certain depth and retreats to a certain size to avoid scratching the core wire. The retracting size depends on the wire The thickness of the rubber determines that the thicker the rubber, the larger the knife, and the thinner the knife, the smaller the knife.

4.15、 Single step/Single Cycle/Fully automatic: Select the distinguishing function with the green icon, choose one mode from three, in the case of single step. Press the start key to run a single action, press the start key to run a complete action in the case of trial

Automatically press the start key to keep the machine running.

4.16、 Start: Press the [Start] key to make the machine work when the data is entered correctly.

4.17、 Stop: make the machine finish the current production of the product before stopping work.

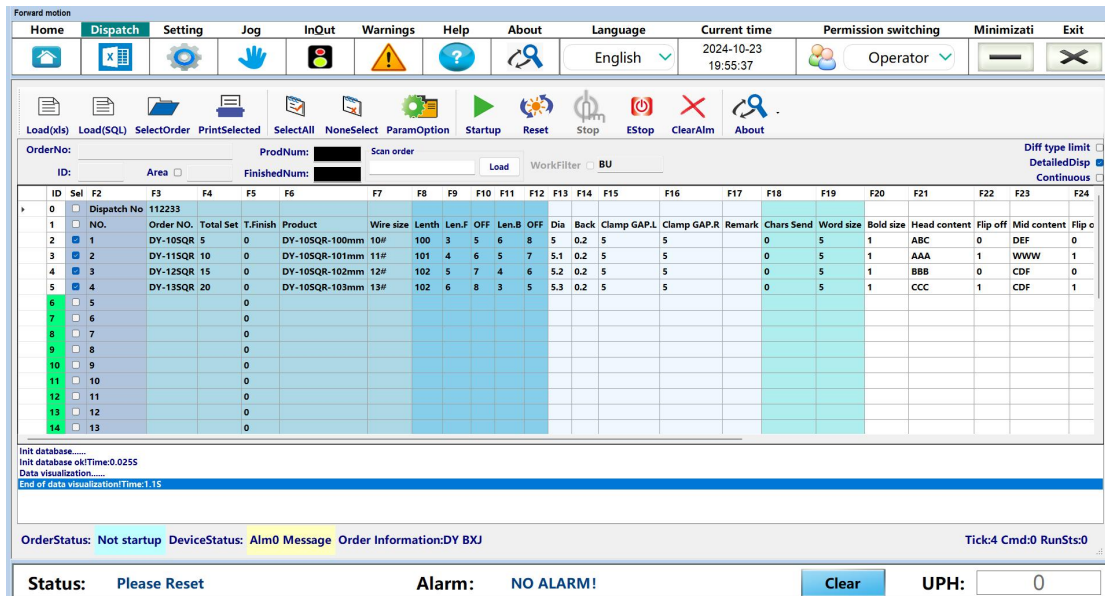
4.18、 Reset: Return each part of the machine to its original point.

4.19、 Emergency stop: The machine stops working in any state.

4.20、 Wire feed: Thread the wire into the wire feed hole until the wire feed roller, press [wire feed] roller will automatically forward wire feed.

4.21、 Back out: Press the [back out] roller to automatically back out.

4.22、 Program: Parameters are stored by 0-99 program series numbers



5.01、 Import order XLS: Import the edited (XLS) order.

5.02、 Import order SQL: Import the edited (SQL) order.

5.03、 Select Order: Select an open order.

5.04、 Print Selected: Select the product content that you want to print.

5.05、 Select All: Select all content.

5.06、 If you do not select all, the selected content is cleared.

5.07、 Parameter Settings: Edit the template required for printing.

5.08、 Start production: Automatically start the equipment and start processing the required wire.

5.09、 Reset: Return each part of the machine to its original point.

5.10、 Stop: make the machine finish the current production of the product before stopping work.

5.11、 Emergency stop: The machine stops working in any state.

5.12、 Clear alarm: Clear alarm content.

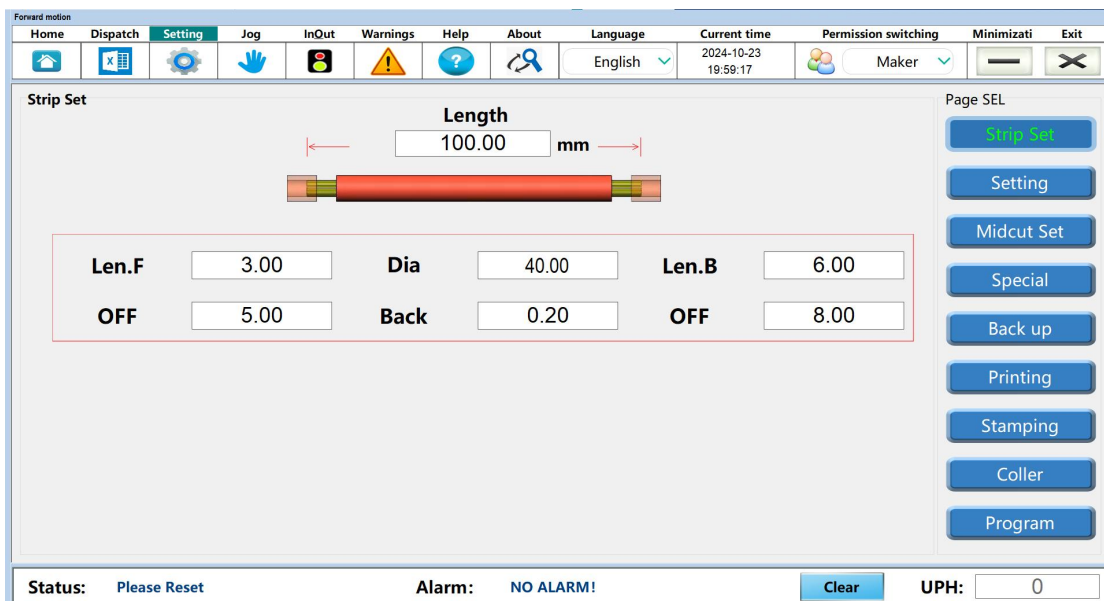
5.13、 About: Spare.

5.14、 Batch number: Standby.

5.15、 ID: indicates the current running number.

5.16、 Cross-sectional area: Standby.

- 5.17、 Order quantity: total current production orders.
- 5.18、 Completed quantity: The quantity of current production order completed.
- 5.19、 Scan order: Standby.
- 5.20、 Scan order import: Standby.
- 5.21、 Restrictions on all models: Standby.
- 5.22、 Detailed display: Standby.
- 5.23 、 Continuous production pop-up prompt: When a tick is clicked, production completes a current order, prompting whether to continue with the next order.
- 5.24、 Dispatch form: The dispatch form in production.



- 6.01、 Total length: the total length of the cutting wire.
- 6.02、 Wire Head: the length required for the head end of the wire.
- 6.03、 Head stripping: the length of the rubber strip at the end of the wire. If the head stripping parameter is less than the head parameter, it is called half stripping. If the head stripping parameter is less than the head stripping. If the parameter is greater than the wire end parameter, it is called full stripping.
- 6.04、 Wire Tail: the required length of the end of the wire.
- 6.05 、 Tail stripping: the length of the rubber strip at the end of the wire. If the tail stripping parameter is less than the tail parameter, it is called half stripping, and if the head stripping. If the parameter is greater than the line tail parameter, it is called full stripping.

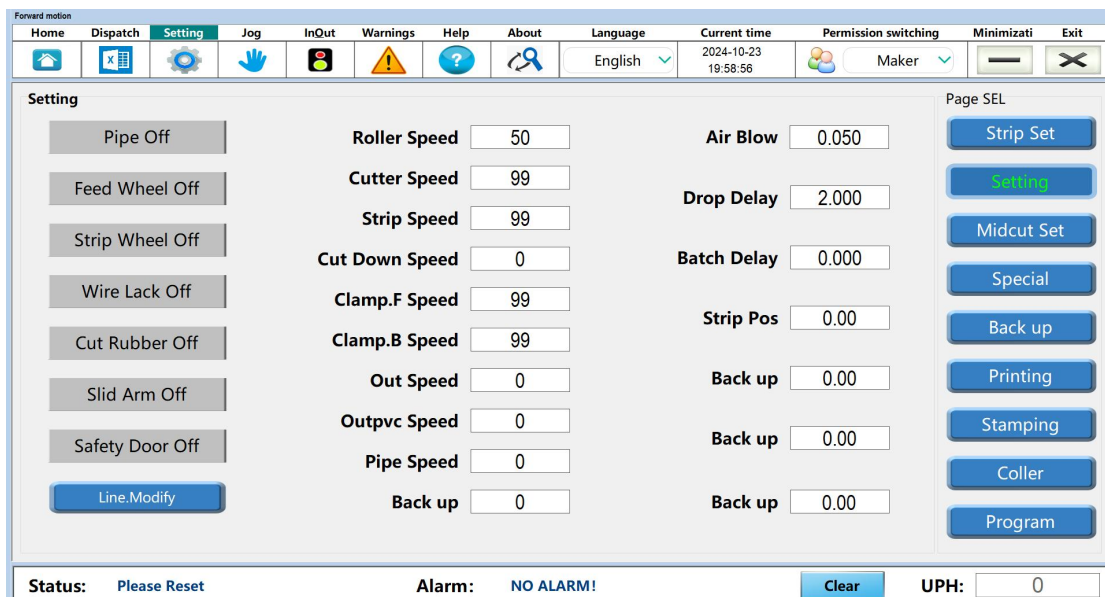
6.06、 Wire diameter: refers to the cutting section of the number of steps out of the tool holder drive motor, controls the depth of cutting skin at the end of the wire head and the diameter of the wire core. The larger the parameter, the larger the opening of the upper and lower tool, the shallower the cutting depth, and the smaller the core diameter parameter, the opening of the upper and lower tool. The smaller it is, the deeper the peel.

6.07、 Retracting: The blade cuts into a certain depth and retreats to a certain size to avoid scratching the core wire. The retracting size depends on the wire. The thickness of the rubber determines that the thicker the rubber, the larger the knife, and the thinner the knife, the smaller the knife.

6.08、 Front wheel clearance: incoming wheel pressure clearance.

6.09、 Rear wheel clearance: outlet wheel pressure clearance.

6.10、 Lift wheel: Open the incoming line press wheel and the outgoing line press wheel to the maximum to facilitate the threading of the wire.



7.01、 Function switch: Open according to the required function.

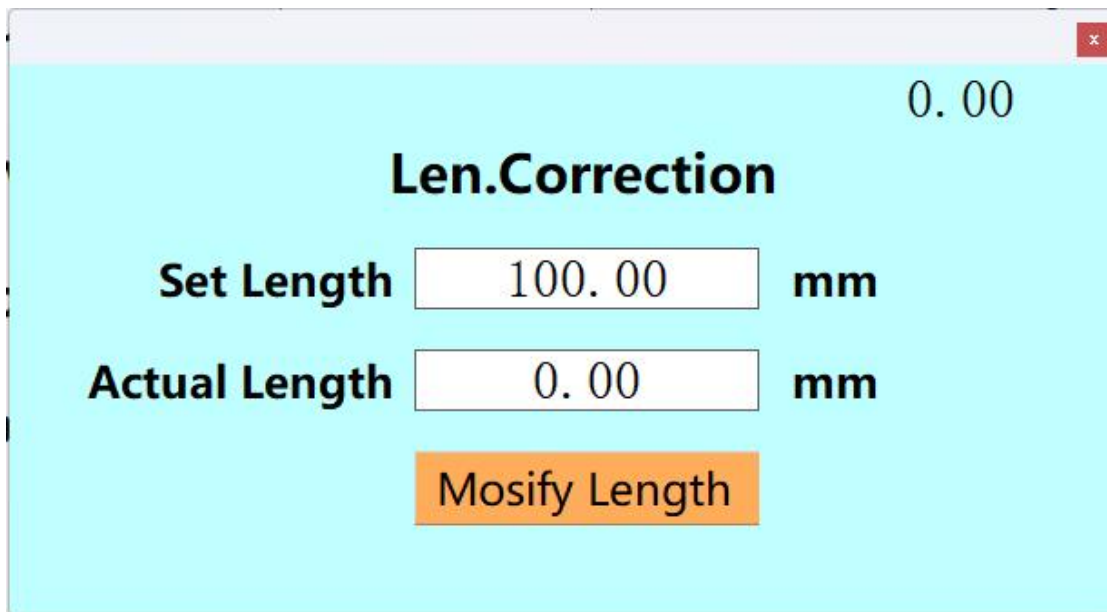
7.02、 The slower the 99%, the harder the 1%, the faster.

7.03、Blowing time: the length of blowing time is adjusted, parameter 0 is the off function.

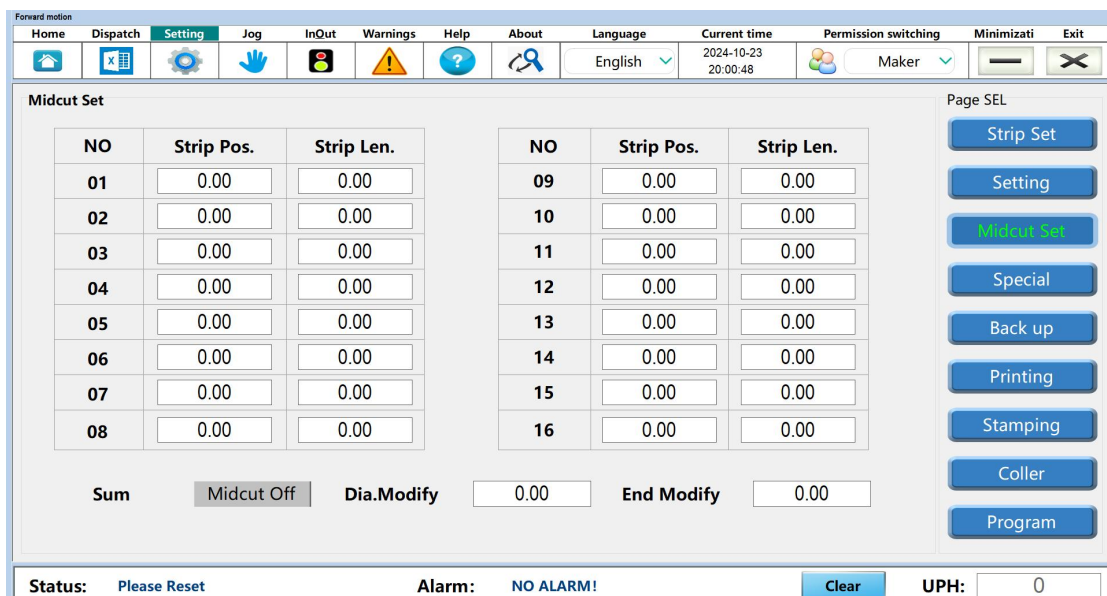
7.04、Drop delay: manipulator clamp wire discharge delay. Parameter 0 is calculated automatically.

7.05、Pause the number: the tentative time of each quantity, parameter 0 is the off function.

7.06、Carpeting position: After the cutter cuts into the tail length of the line, back off and cut into the rubber again. 0 indicates the closing function



8.01、Total length correction: If the total length is incorrect, enter the actual length, determine according to the correction, and the actual length can be cleared to 0.



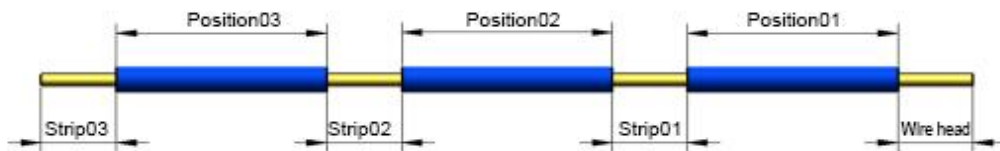
9.01、 Wire diameter correction: When the middle strip wire and copper wire are too tight and difficult to peel, the cutting depth of the middle strip can be slightly increased.

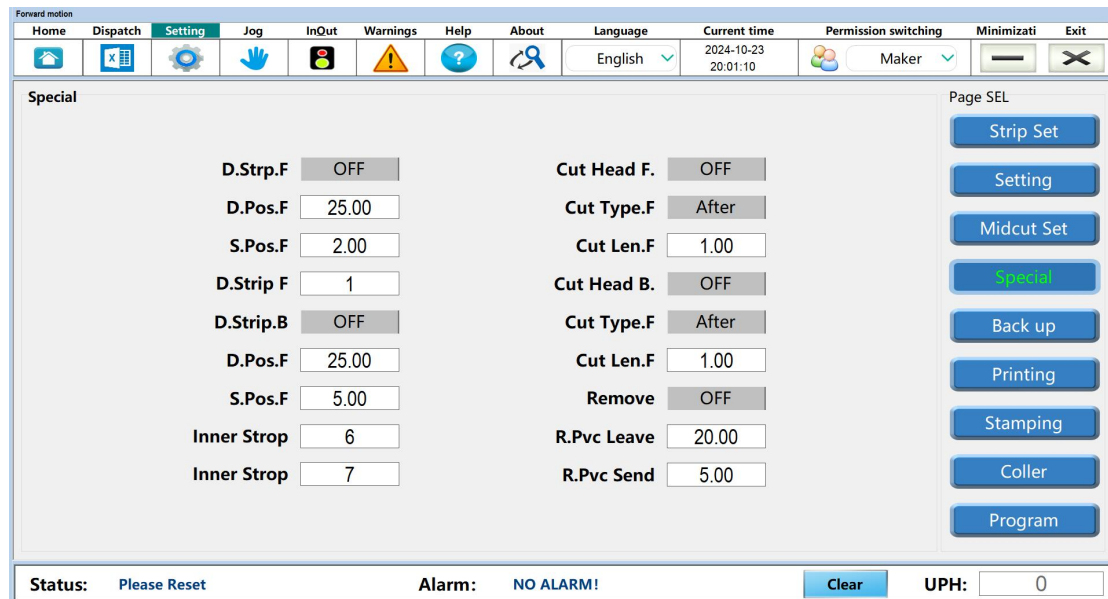
9.02、 Total length correction: The last end has a wire leather on it, you can fine-tune the total length correction to remove the wire leather.

9.03、 Position 01: wire to the middle of the first cutting length; Peel off: First in the middle peel off the distance.

9.04、 Position 02: the second cutting length from the top to the middle of the wire; Peel off: The middle of the second peel away distance.

9.05、 Extrapolate with this class.....





10.01、 On/Off: On/off this function.

10.02、 Stripping position: the first peeling position of the outer front end.

10.03、 Stripping length: the first peeling length of the front end.

10.04、 The first two times of peeling (can be divided into 1-9 times uniform multiple skin).

10.05、 Rear end secondary peeling: Turn this feature on/off.

10.06、 Peeling position: The first peeling position of the outer back end.

10.07、 Peel length: The first peel length of the back end

10.08、 Front inner layer peeling times: The front inner layer can be peeled multiple times.

10.09、 Back inner peeling times: the front inner layer can be peeled multiple times.

10.10、 Front peel flush: the length of the front inner core wire cut flush.

10.11、 Stripping method: Before stripping → Before stripping the core wire, flush the core wire and then peel the skin. After stripping → Flush the core wire after stripping.

10.12、 Full length: Cut off excess length.

10.13、 Flush back: the length of the front inner core line cut flush.

10.14、 Stripping method: Before stripping → Before stripping the core wire, flush the core wire and then peel the skin. After stripping → Flush the core wire after stripping.

10.15、 Full length: Cut off excess length.

10.16、 Roll rubber On/Off: Turn on/off this function.

10.17、 Roll out: The front end outer sheath rubber is sent to the outlet wheel position.

10.18、 Rubber roll: The length of the front half peeled rubber left on the line.

Forward motion

Home Dispatch Setting Jog InOut Warnings Help About Language Current time Permission switching Minimizati Exit

English 2024-11-14 13:25:59 Maker

Printing

Trans to Printer Print one time Print Drop Len. 0.00

Head content 1234 OFF 19.50

Mid.content WDF OFF 7.50

Tail content RET OFF 12.00

Chars Send OFF Printing OFF Print Loop Type NUM.

Word size 5 Print Dist 329.00 Print Pos.Head 20.00

Bold size 1 Tail Chars Len. 19.00 Print Pos.End 23.00

Freq. division 0 Print Hold Time 5.000 Print Loop Num 3

Char Size 1.50 Print Roll Speed 99 Print Loop Dist 0.00

Page SEL

Strip Set

Setting

Midcut Set

Special

Back up

Printing

Back up

Back up

Program

Status: Please Reset Alarm: NO ALARM! Clear UPH: 0

11.01、 Header content: String print text content.

11.02、 Intermediate content: Intermediate printed text content.

11.03、 End content: Print text content at the end of the line

11.04、 Rotation switch: Turn on rotation, and print text at the end of the line/center/line will select 180 degrees.

11.05、 Character sending: Turn on character sending and print text is set by the wire stripper.

11.06、 Font size: Text size 1 to 6, the larger the number, the larger the font.

11.07、 Bold size: printer font bold, 1~3 choice, the larger the number, the thicker the font.

11.08、 Frequency division: The matching speed of the synchronizer, ranging from 5 to 8, the larger the number, the longer the character is pulled.

11.09、 Character width: The width of one character.

11.10、 Inkjet switch: Enable/disable the inkjet function.

11.11、 Nozzle distance: distance from nozzle to cutter.

11.12、 Inkjet signal delay: inkjet printer receives [start inkjet] instruction, delay off, reference value 0.05S.

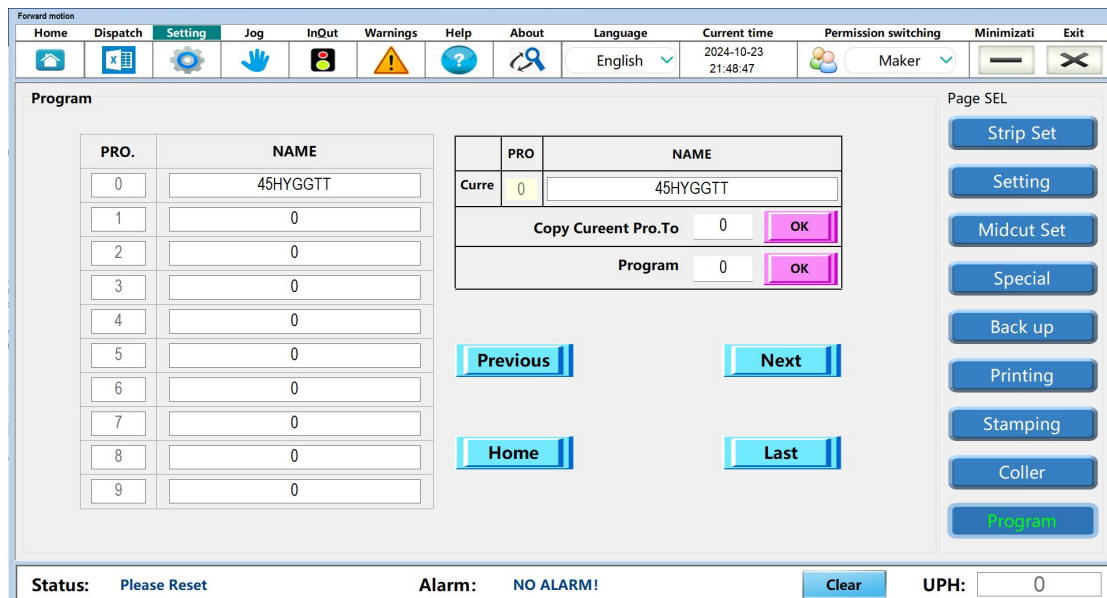
11.13、 Print character length: The total length of the print characters at the end of the line.

11.14、 Printing position of the head end: the wire end to the beginning of the printing position.

11.15、 End coding position: from the end of the line to the end of the coding position.

11.16、 Intermediate printing times: Set the printing times, the system will automatically calculate the bisecting distance.

11.17、 Intermediate printing distance: the length between the head end printing and the tail end printing, set the number of printing, the system automatically calculates. The printing distance of each character (this parameter is calculated automatically and cannot be modified).



12.01、 Program Number (0~99) There are 100 programs in total.

12.02、 Displays the current program number and name.

12.03、 Program copy: Copy the current program to another program number, set the program number, long press the confirm key 3S Copy.

12.04、 Program reading: read the program number, set the program number can be read by pressing the OK button.

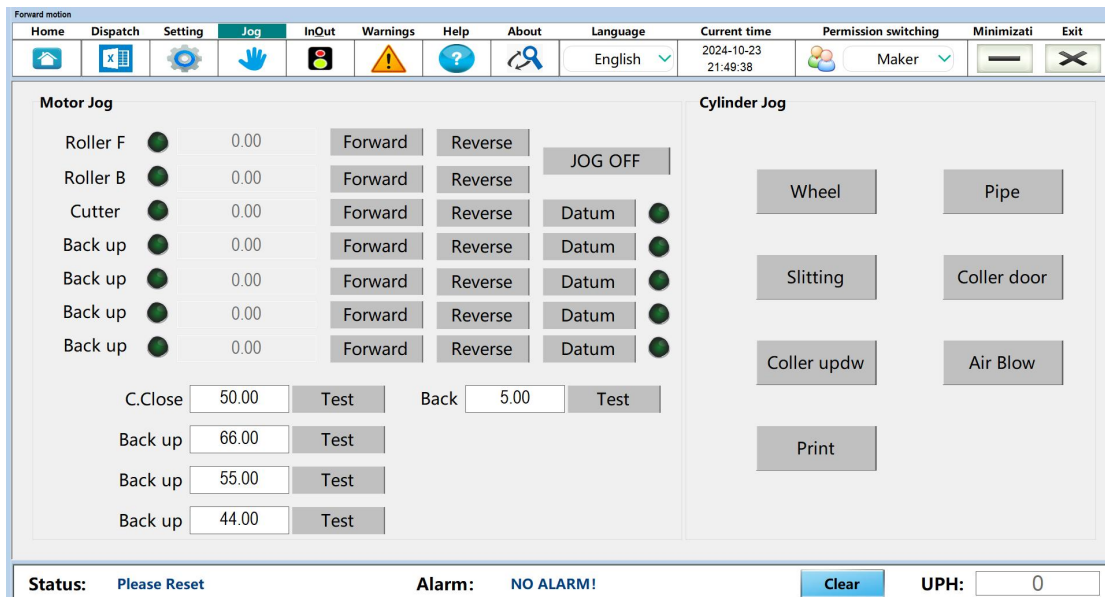
12.05、 Previous page: Switch to previous page.

12.06、 Next: Switch to the next page.

AI 为你提供母语级高精翻译

12.07、 Home: Program management first page (program 0~9).

12.08、 Last page: The last page of program management (program 90~99).



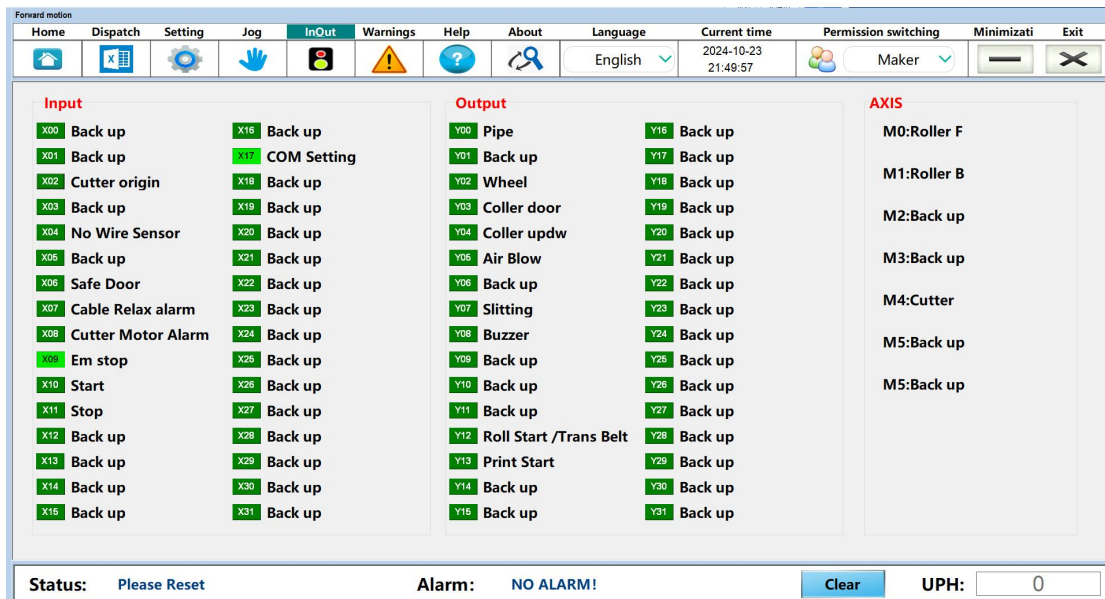
13.01、 Manually drive the motor forward/backward position, return to zero to reset the origin position.

13.02、 Knife closing value: Press the closing key to close the upper and lower knives. As the number in the square increases, press the opening key to open the upper and lower knives. On, when the number in the square decreases and the upper and lower blade edge spacing is 0 points, confirm that the number in the square is the benchmark Data, enter into the grid.

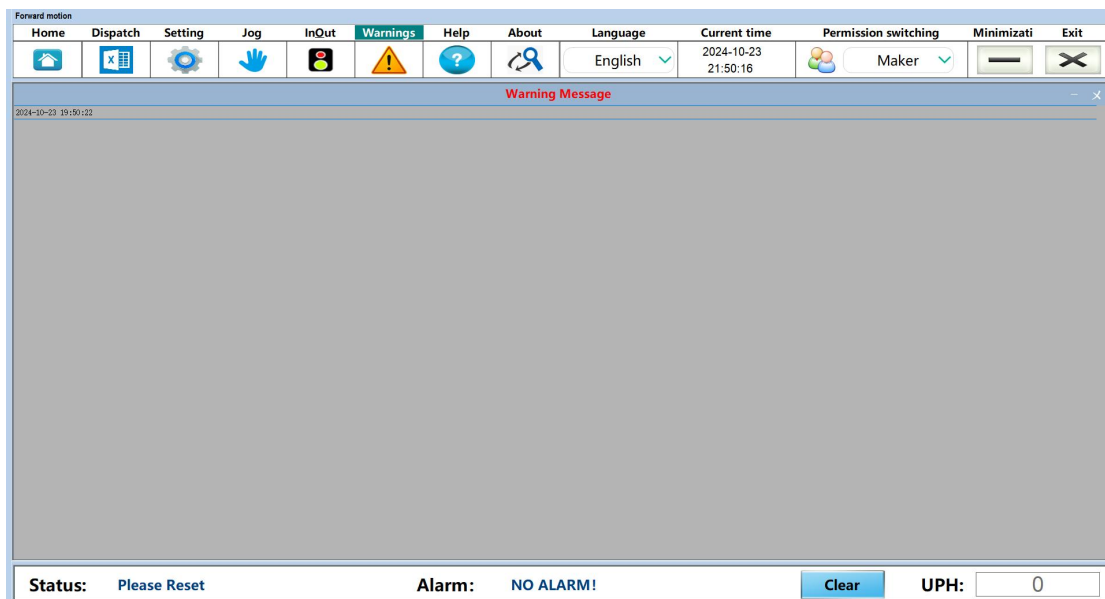
13.03、 Test: Single action test whether the cutter value is normal.

13.04、 Inch open makes the cutter close/open forward 0.1mm, more accurate to the cutter closure value.

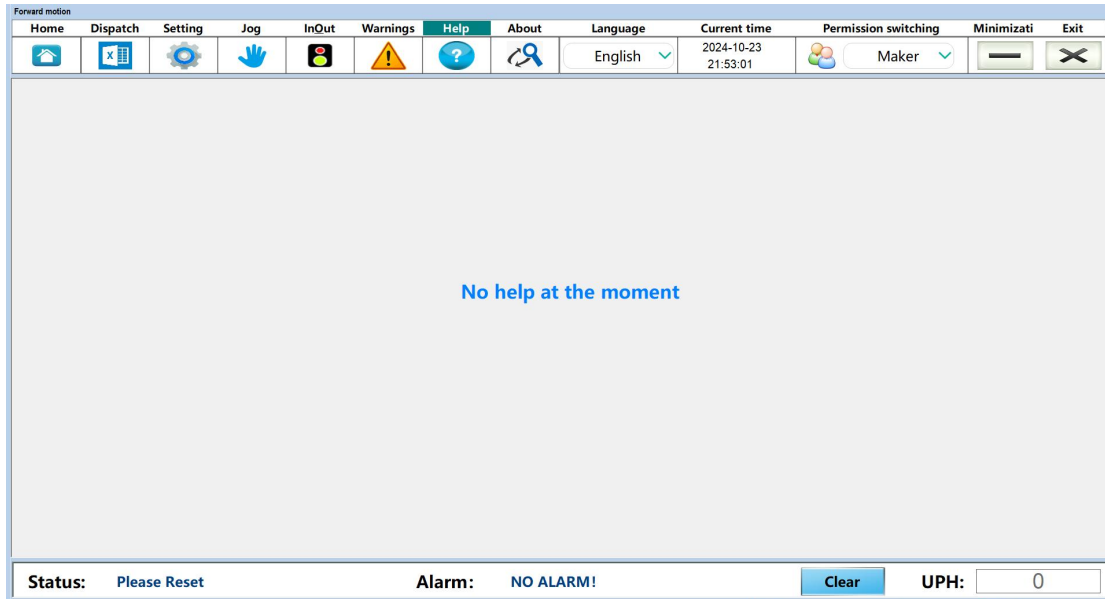
13.05、 Manual opening/closing: rear lift wheel, conduit, discharge..... .



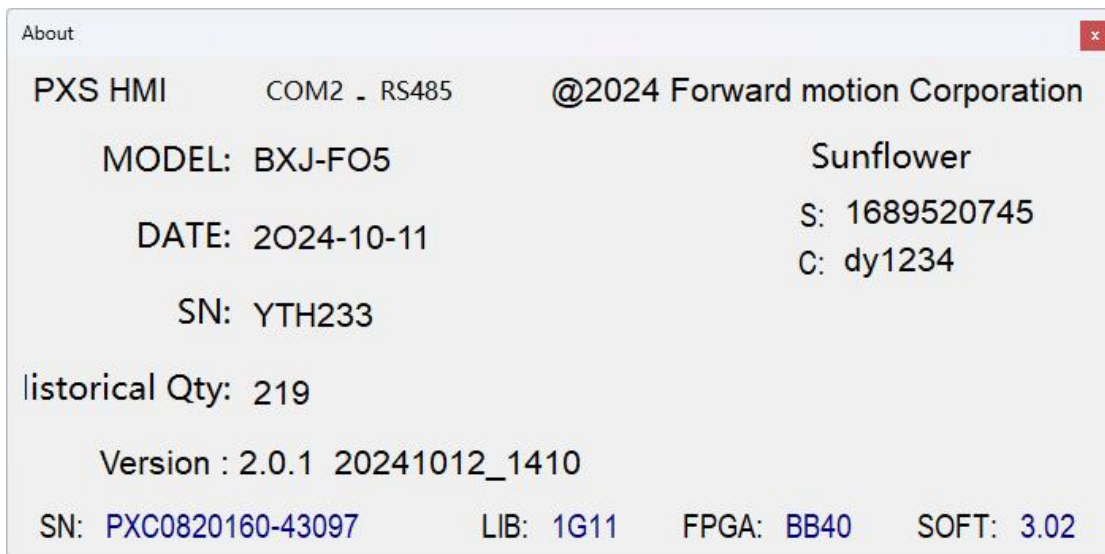
14.01、 IO monitoring: View real-time input and output status.



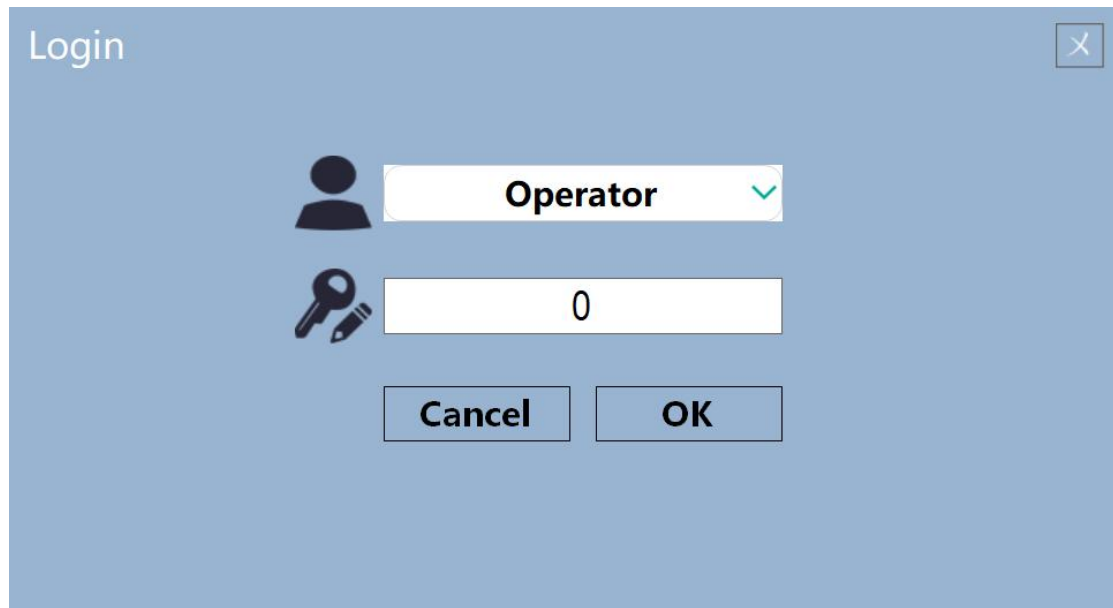
15.01 Alarm page: View historical alarms.



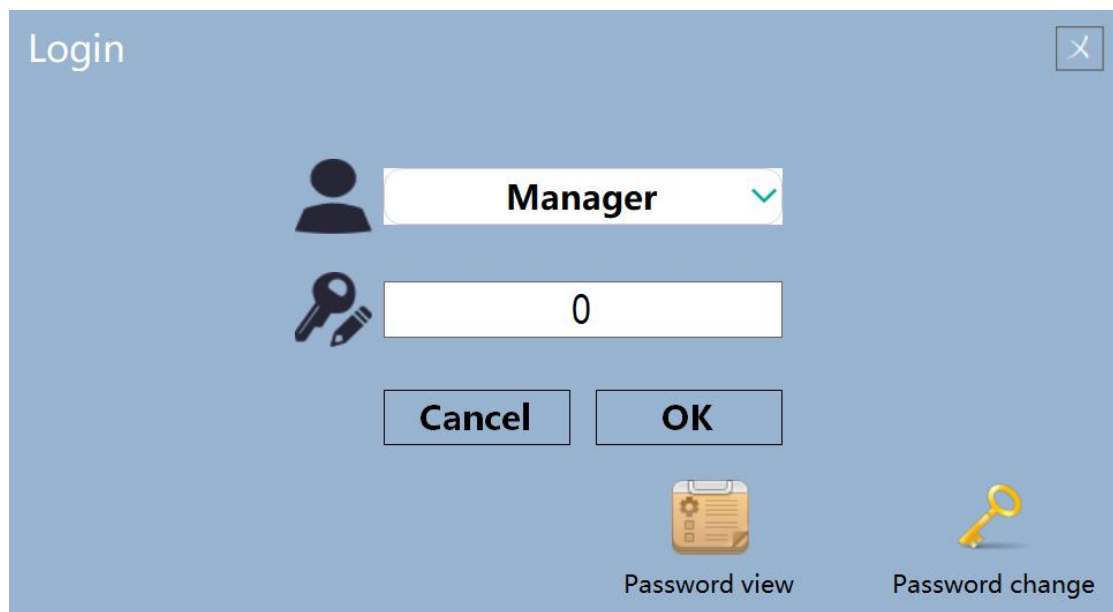
16.01、STANDBY



17.01: Device parameters: factory parameters of the device.



18.01: Administrator rights: The factory password is 5678.



19.01: Password view: Administrators can view passwords.

Password view

Operator.password

Manager.password

Update Password

User

Old

New

20.01: Change password: The administrator can change the password.

三、Wire stripper touch screen operation instructions



1.Program: store parameters from 0-99 program serial numbers.

1.2 UPH: to wait.

1.3. FORWARD: Thread the thread into the cable entry hole until the cable entry roller. Press the [Thread entry] roller to automatically feed the thread forward.

1.4 REVERSE: Press [Return] wheel to automatically retreat the line backward.

1.5. SINGLE STEP / SINGLE CYCLE / Full automatic: Press the start button to run a single action in the case of inching, press the start button to run a complete action in the test machine, and press the start button to continue the operation in the fully automatic case.

1.6. Start: When the data input is completed without error, press [Start] to make the machine work.

1.7. Stop: Press [Stop] to stop the machine.

1.8. Reset: Make each part of the machine return to the origin.

1.9 Emergency stop: When the machine is in working state, press [Emergency Stop], the machine will stop working urgently.

1.10. Length: The total length of the cutting wire, the unit is mm.

1.11. Strip Len: The required length of the wire end.

1.12. Strip Off: The length of the stripping of the wire at the tip of the wire. If the stripping parameter is less than the threading parameter, it is called half stripping. If the stripping parameter is greater than the threading parameter, it is called full stripping.

1.13. Strip Len: the required length of the end of the wire.

1.14. Strip Off: The length of the stripping of the rubber at the end of the wire. If the tail stripping parameter is less than the wire tail parameter, it is called half stripping.

1.15. Cutter dia: refers to the cutting section of the number of steps transmitted by the knife holder drive motor, and controls the cutting depth of the wire end and the tail. Then, the smaller the upper and lower knife

openings, the deeper the cutting depth. The opening distance of the upper and lower knife edges is calculated in millimeters. The diameter of the core wire of the wire is mm, and the diameter of the wire is entered as much as mm.

1.16. Cutter Back: Refers to the blade cutting into a certain depth and retreating to a certain size to avoid the core wire being scratched. The size of the retreat is determined according to the thickness of the wire rubber. The thicker the rubber is, the larger the retreat is. ~ 5.0mm.

1.17. Set Count: refers to the total output of set work. The input data cannot be less than the quantitative input data. If the data is less than the quantitative data, the machine will not work.

1.18. Finished: cumulative production quantity.

1.19. Set Batch: how many parameters the machine operates and how many times the machine automatically stops. If you enter 100 machines to 100 times, it will automatically stop. Enter 0 for no quantitative data, the machine will not automatically stop, and the data will reach the set total amount. Downtime.

1.20. Batch Delay: When the machine reaches the specified amount, how many seconds will it delay, and it will start automatically and continue to run.



22.01、 Program Number (0~99) There are 100 programs in total.

22.02、 Displays the current program number and name.

22.03、 Program copy: Copy the current program to another program number, set the program number, long press the confirm key 3S replication.

22.04、 Program reading: read the program number, set the program number can be read by pressing the OK button.

22.05、 Previous page: Switch to previous page.

22.06、 Next: Switch to the next page.

22.07、 Home: Program management first page (program 0~9).

22.08、 Last page: The last page of program management (program 90~99).



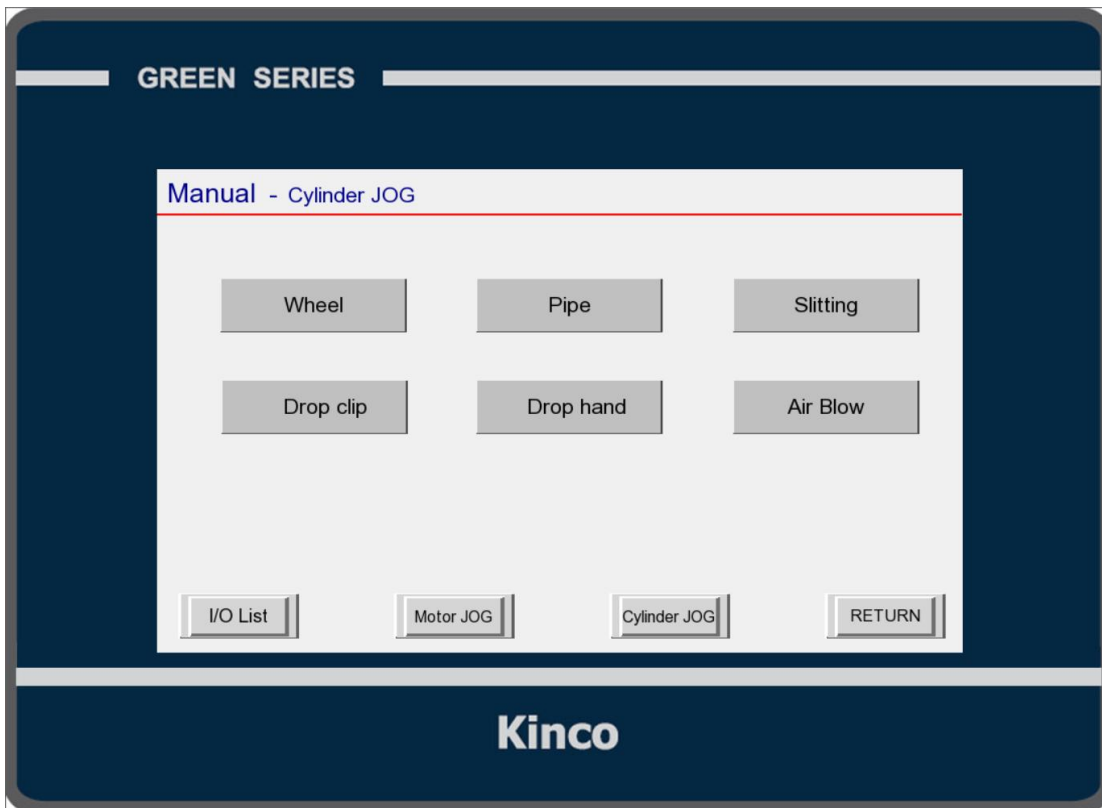
23.01、 Manually drive the motor forward/backward position, return to zero to reset the origin position.

23.02、 Knife closing value: Press the closing key to close the upper and lower knives. As the number in the square increases, press the opening key to close the upper and lower knives

When it is opened, the number in the square decreases with the interval between the upper and lower blade edges 0 points, confirm that the number in the square is Benchmark data, enter in the grid.

23.03、 Test: Single action test whether the cutter value is normal.

23.04、 Inch open makes the cutter close/open forward 0.1mm, more accurate to the cutter closure value.



24.01、 Manual opening/closing: rear lift wheel, conduit, discharge..... .



26.01、 On/Off: On/off this function.

26.02、 Stripping position: the first peeling position of the outer front end.

26.03、 Stripping length: the first peeling length of the front end.

26.04、 The first two times of peeling (can be divided into 1-9 times uniform multiple skin).

26.05、 Rear end secondary peeling: Turn this feature on/off.

26.06、 Peeling position: The first peeling position of the outer back end.

26.07、 Peel length: The first peel length of the back end

26.08、 Front inner layer peeling times: The front inner layer can be peeled multiple times.

26.09、 Back inner peeling times: the front inner layer can be peeled multiple times.

26.10、 Front peel flush: the length of the front inner core wire cut flush.

26.11、 Stripping method: Before stripping → Before stripping the core wire, flush the core wire and then peel the skin. After stripping → Flush the core wire after stripping.

26.12、 Full length: Cut off excess length.

26.13、 Flush back: the length of the front inner core line cut flush.

26.14、 Stripping method: Before stripping → Before stripping the core wire, flush the core wire and then peel the skin. After stripping → Flush the core wire after stripping.

26.15、 Full length: Cut off excess length.

26.16、 Roll rubber On/Off: Turn on/off this function.

26.17、 Roll out: The front end outer sheath rubber is sent to the outlet wheel position.

26.18、 Rubber roll: The length of the front half peeled rubber left on the line.

0.00

Len. Correction

Set Length **mm**

Actual Length **mm**

Mosify Length

27.01、 Total length correction: If the total length is incorrect, enter the actual length, determine according to the correction, and the actual length can be cleared to 0.



28.01、 Wire diameter correction: When the middle strip wire and copper wire are too tight and difficult to peel, the cutting depth of the middle strip can be slightly increased.

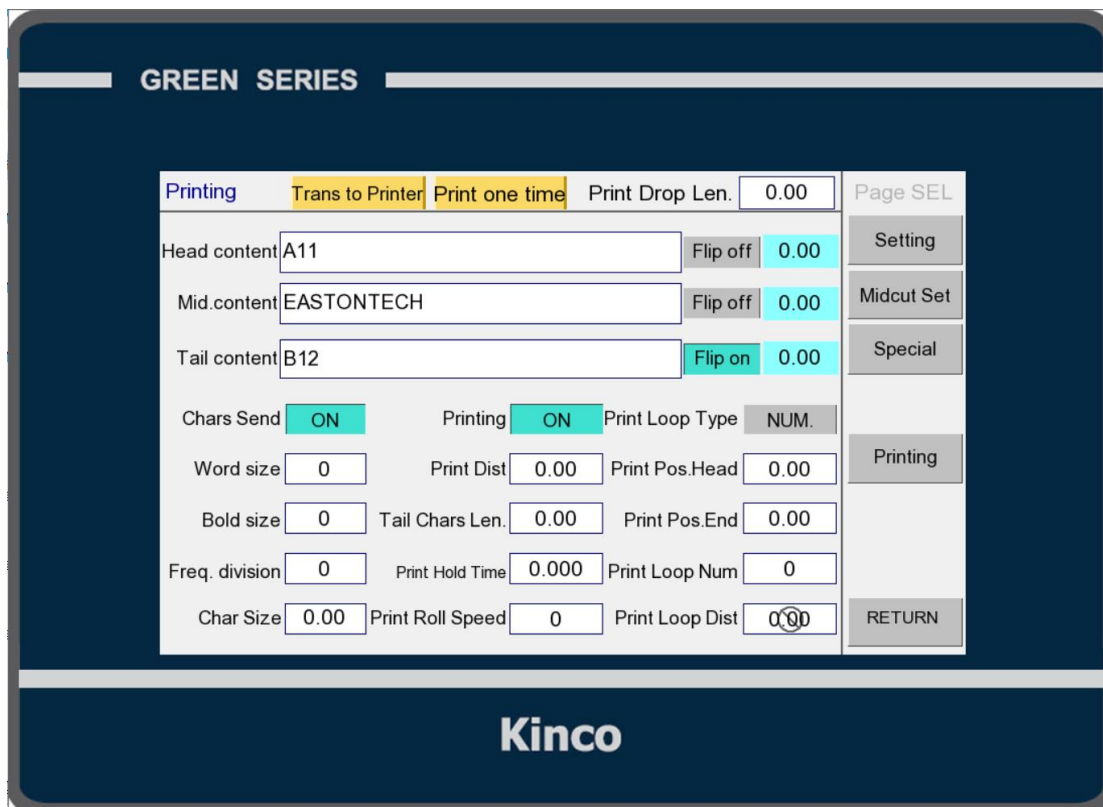
28.02、 Total length correction: The last end has a wire leather on it, you can fine-tune the total length correction to remove the wire leather.

28.03、 Position 01: wire to the middle of the first cutting length; Peel off: First in the middle peel off the distance.

28.04、 Position 02: the second cutting length from the top to the middle of the wire; Peel off: The middle of the second peel away distance.

28.05、 Extrapolate with this class.....





29.01、 Header content: String print text content.

29.02、 Intermediate content: Intermediate printed text content.

29.03、 End content: Print text content at the end of the line

29.04、 Rotation switch: Turn on rotation, and print text at the end of the line/center/line will select 180 degrees.

29.05、 Character sending: Turn on character sending and print text is set by the wire stripper.

29.06、 Font size: Text size 1 to 6, the larger the number, the larger the font.

29.07、 Bold size: printer font bold, 1~3 choice, the larger the number, the thicker the font.

29.08、 Frequency division: The matching speed of the synchronizer, ranging from 5 to 8, the larger the number, the longer the character is pulled.

29.09、 Character width: The width of one character.

29.10、 Inkjet switch: Enable/disable the inkjet function.

29.11、 Nozzle distance: distance from nozzle to cutter.

29.12、 Inkjet signal delay: inkjet printer receives [start inkjet] instruction, delay off, reference value 0.05S.

29.13、 Print character length: The total length of the print characters at the end of the line.

29.14、 Printing position of the head end: the wire end to the beginning of the printing position.

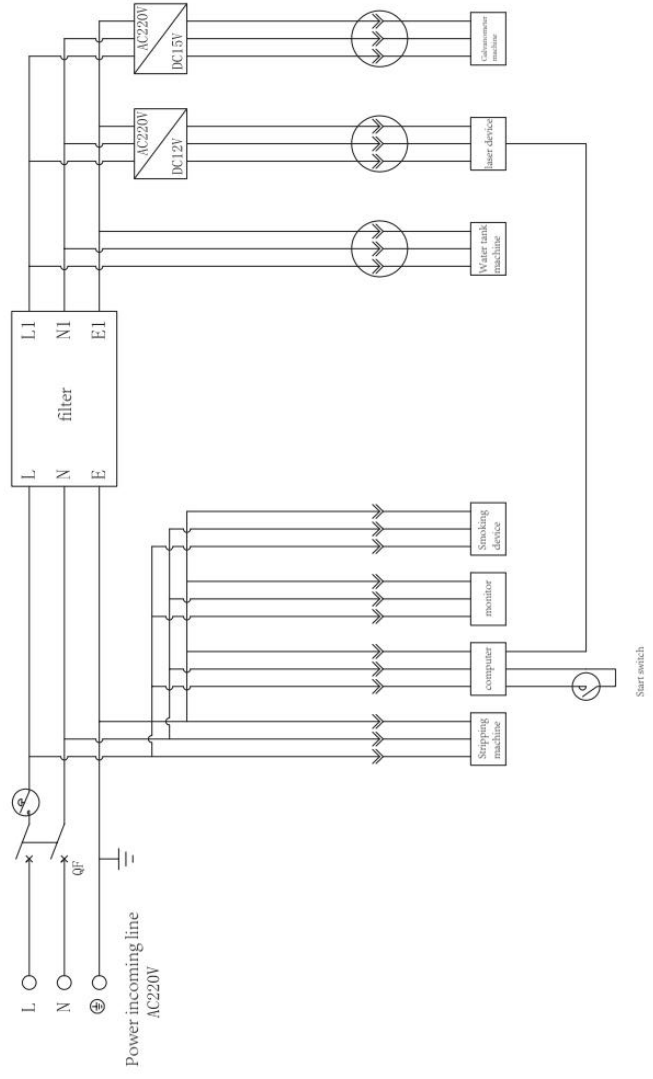
29.15、 End coding position: from the end of the line to the end of the coding position.

29.16、 Intermediate printing times: Set the printing times, the system will automatically calculate the bisecting distance.

29.17、 Intermediate printing distance: the length between the head end printing and the tail end printing, set the number of printing, the system automatically calculates. The printing distance of each character (this parameter is calculated automatically and cannot be modified).

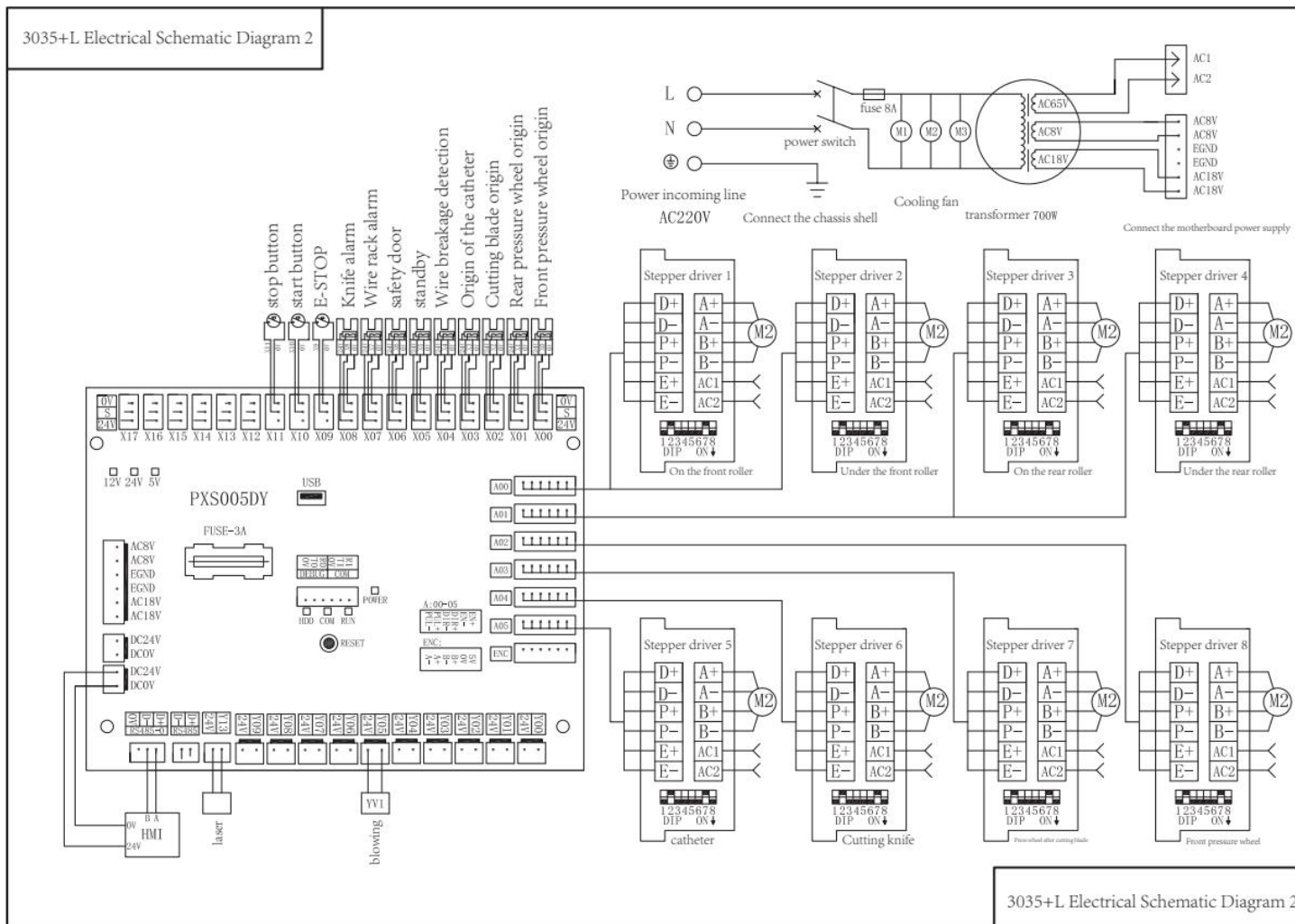
≡:Electrical schematic diagram

3035+L Electrical Schematic Diagram 1



3035+L Electrical Schematic Diagram 1

3035+L Electrical Schematic Diagram 2



3035+L Electrical Schematic Diagram 2