

Start (Pedal) → Input



Gripper lock → Output



S. Servo blade will open from closed Condition.



Proximity input for open



Servo Base moving
frwd according to stripping length



Stepper rotate → Output



S. Servo Blade move inside according to
sleeve thickness



Stepper rotate stop → Output stop



Servo Base moving ~~to it~~ to backward.
To strip out sleeve

Full strip



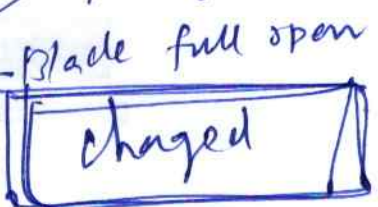
Gripper open



Servo ~~to~~ frwd to h. pos - 2



S. Servo Blade close → ready for next
cycle.
(Full open before close)

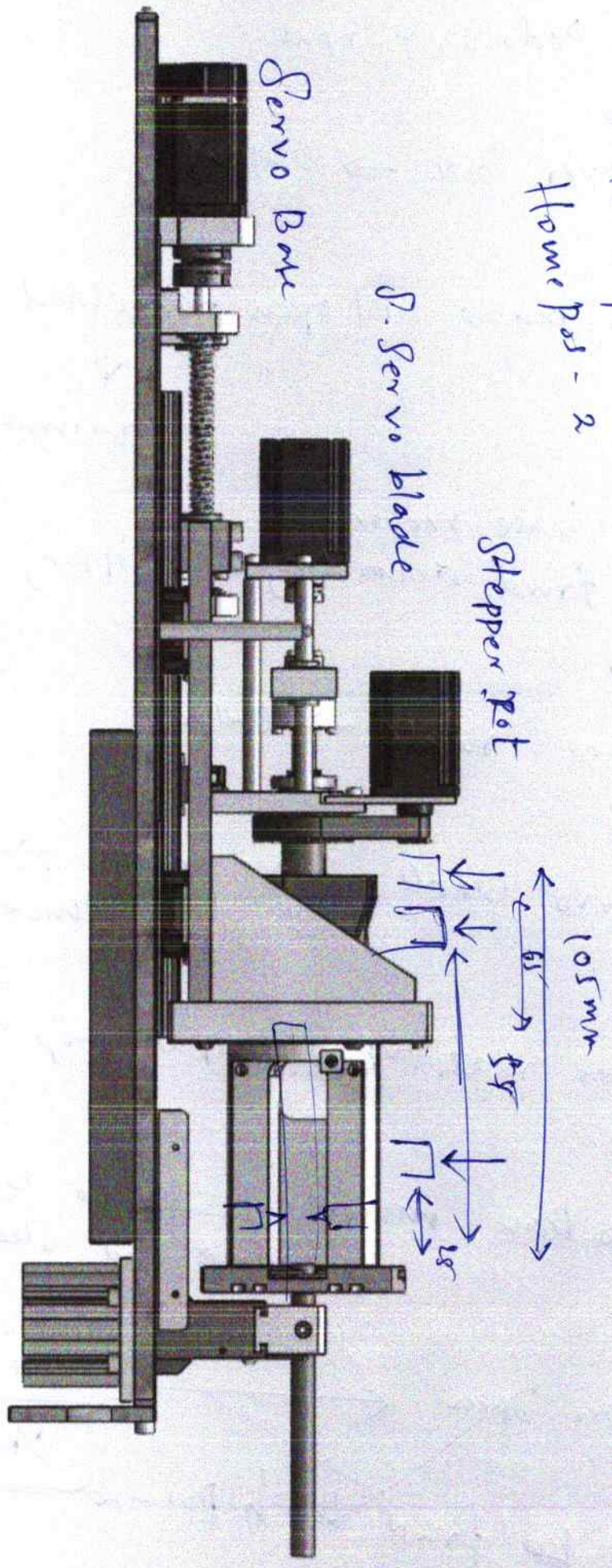


Home pos - 1
Home pos - 2

S. Servo blade

Stepper pot

Servo Bar



- 1) cable configuration.
- 2) Setting IO pin and component details.

Home pin → ② Solenoid
 Start pin - Stepper
 Emergency pin? Tower lamp pin defined → (relay) need.

- 3) Run page ⇒ Configuring port connection
 3 motor communication testing ✓

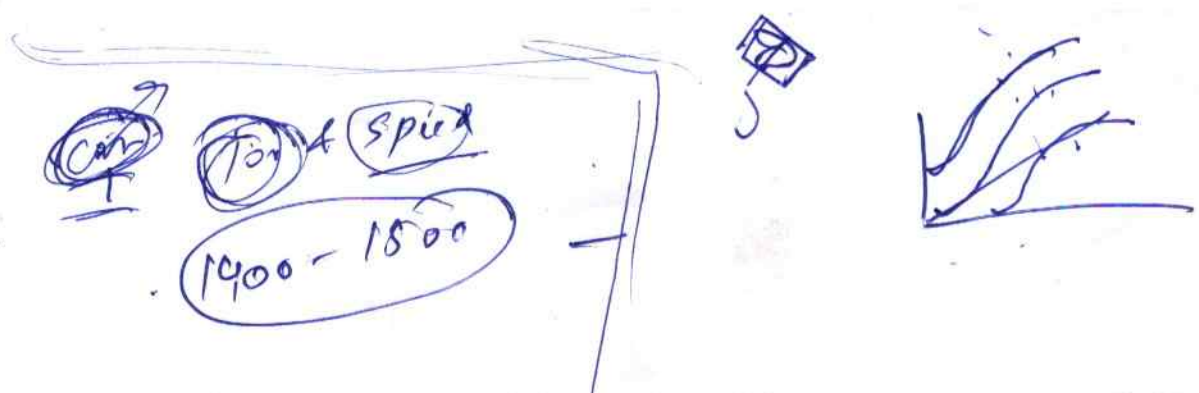
Start button ✓
 Process image or progress bar
 Cycle complete ✓
 Emergency in UI or stop button ✓ ✓ Reject
 Error code and Details ✓ Reset

Continue option need? ✗
 Job count or cumulative?

Emergency pin continuous read
 communication issue RS 485

job count
 cycle
 stop
 start
 image

Configuration lock option need.



CABLE STRIPPER CONDITIONS		
1	Maximum movement of servo is 120mm.	
2	[IF POSSIBLE IN STEPPER] At home position blade house should be in this direction. means it should end cycle at that direction.	
3	Blade house should be in the distance of current stripping length input at home position.	
4	Gripper will close only when cycle starts, otherwise it should be open always.	
5	And blades should be in closed condition at home position. only opens when cycle starts, means at the end of the operation it should close when cable removed.	
6	When operator reset the input configurations, the blade house should change its home position respected to current stripping length from previous one.	

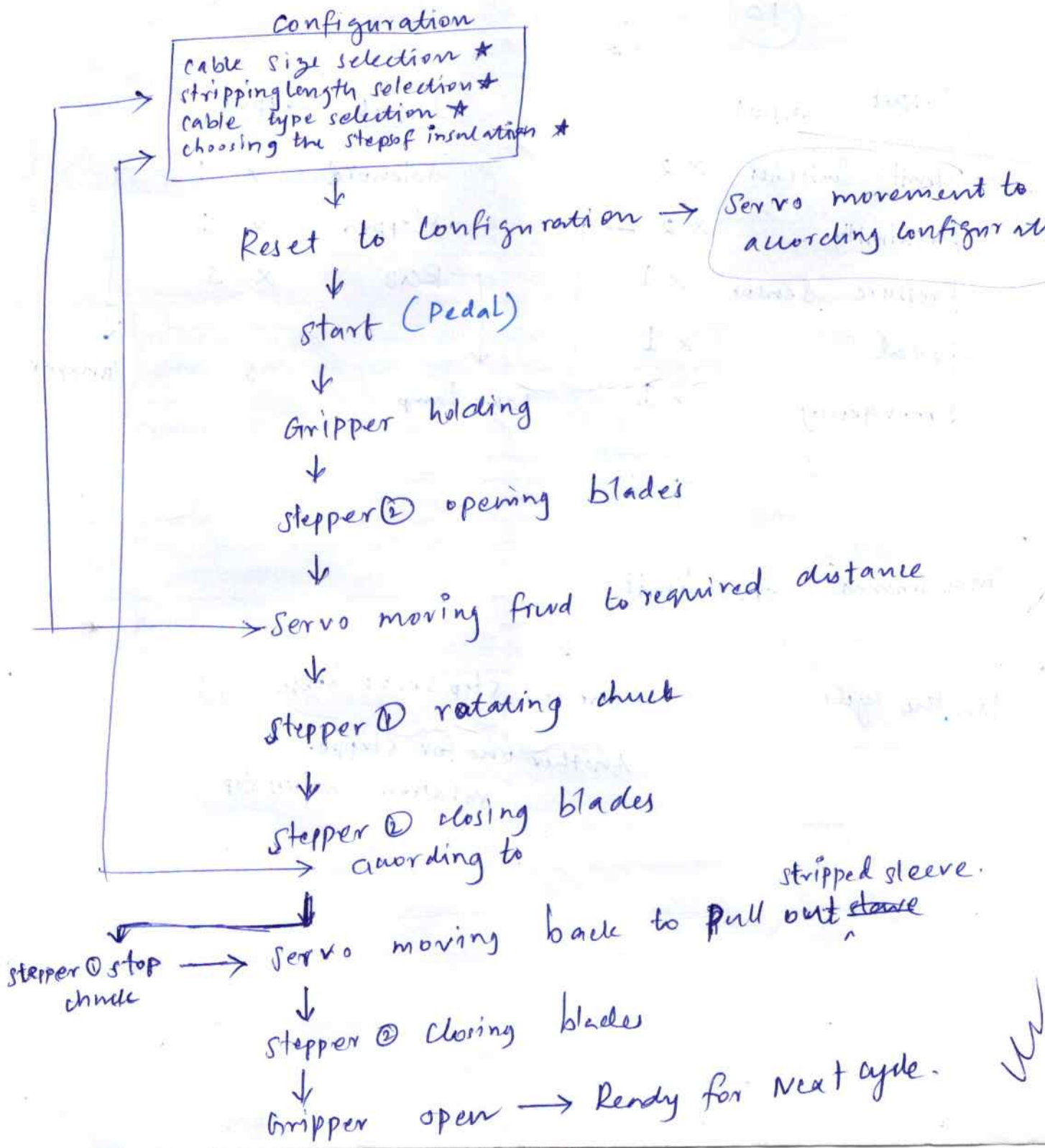
CABLE STRIPPER WORKING PROCESS	
1	At home position, gripper will be in open condition and the blade house will be in some distance from the gripper respected to stripping length and blades will be on closed position.
2	Operator will insert the cable till to the blade. once it touched the closed blades, operator will start the cycle. There will be a sensor for cable presence.
3	After cycle start, gripper will hold the cable and blades will open.
4	Then the blade house will move forward some distance respected to the stripping length.(servo)
5	After that, the blade house will start to rotate(stepper 1) and then the blade start to move inside to the stripping dia(stepper 2).
6	Once the blade cut the insulation, blade house will move backward to strip off the insulation. whether it's fully removed or semi stripping is optional.
7	Then blades and gripper will open. once operator take the cable out, the blades will go the home position(closed) and the blade house will move to its home position.
8	Now the machine is ready for the next cycle.

08/01/2025
06/2/2025

Co-axial Stripping

Movements: 3 axis

1. Servo for front & back movement
2. Stepper① for either C.W or C.C.W rotation
3. Stepper② for Blade movement



★ Two Sensors For End limits, (limit switch for maximum servo movement constraint).

★ Cycle start Button

★ HMI

★ Emergency stop

★ ^{might} ~~may~~ need sensor for stepper.

SRX04-V (6)

(10)

~~Output~~ Input

Limit Switches x 2

Proximity x 2

Pressure Sensor x 1

Pedal x 1

Emergency x 1

7

maximum Servo limit

start the cycle

~~Input~~ Output

Solenoid x 1

Stepper x 1

RCB x 3

5

Towerlamp

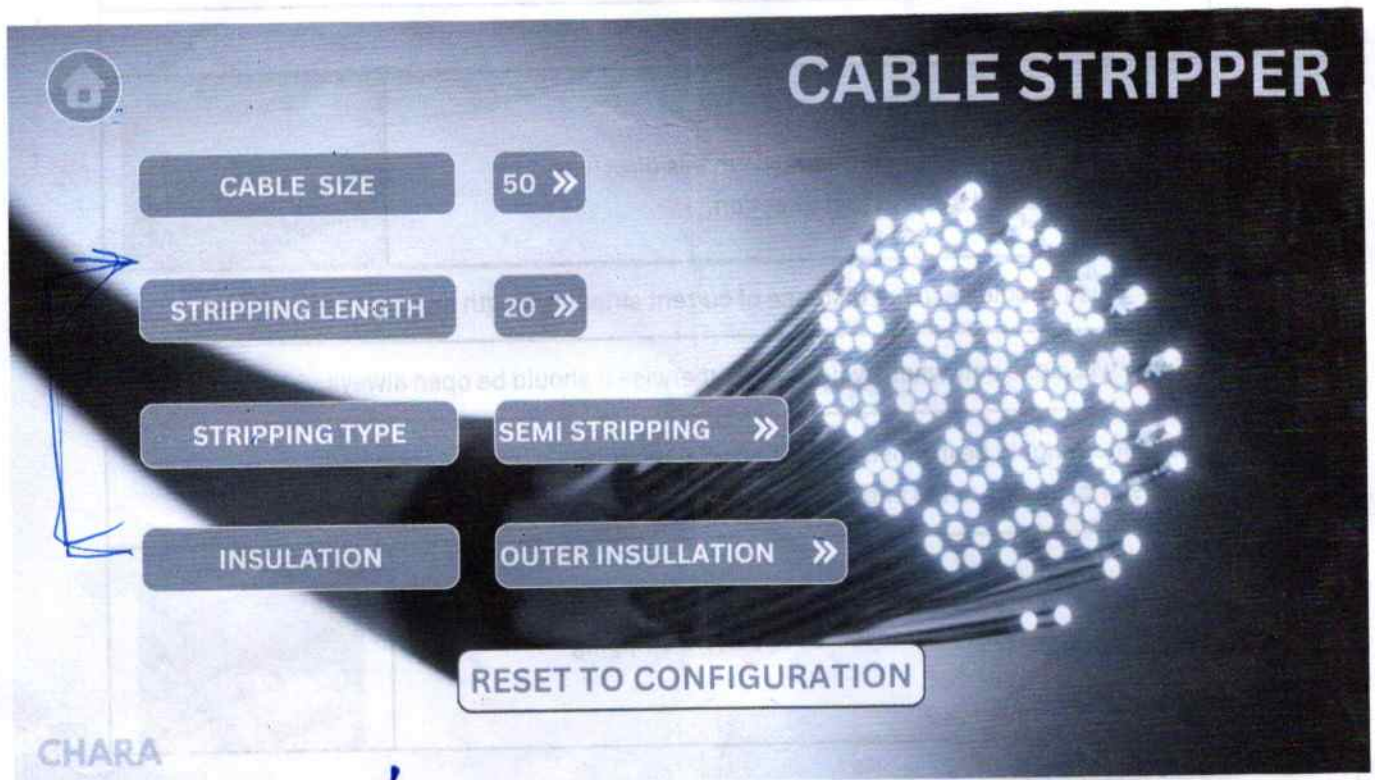
Gripper

One for stop Servo home

Another one for stepper
rotation position stop

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UI
 ↓
 Configuration

Settings → I pins and communication port
 Part number choose inputs in settings
 xup page → configuring servo. only one part number.
 ↓
 Start button.