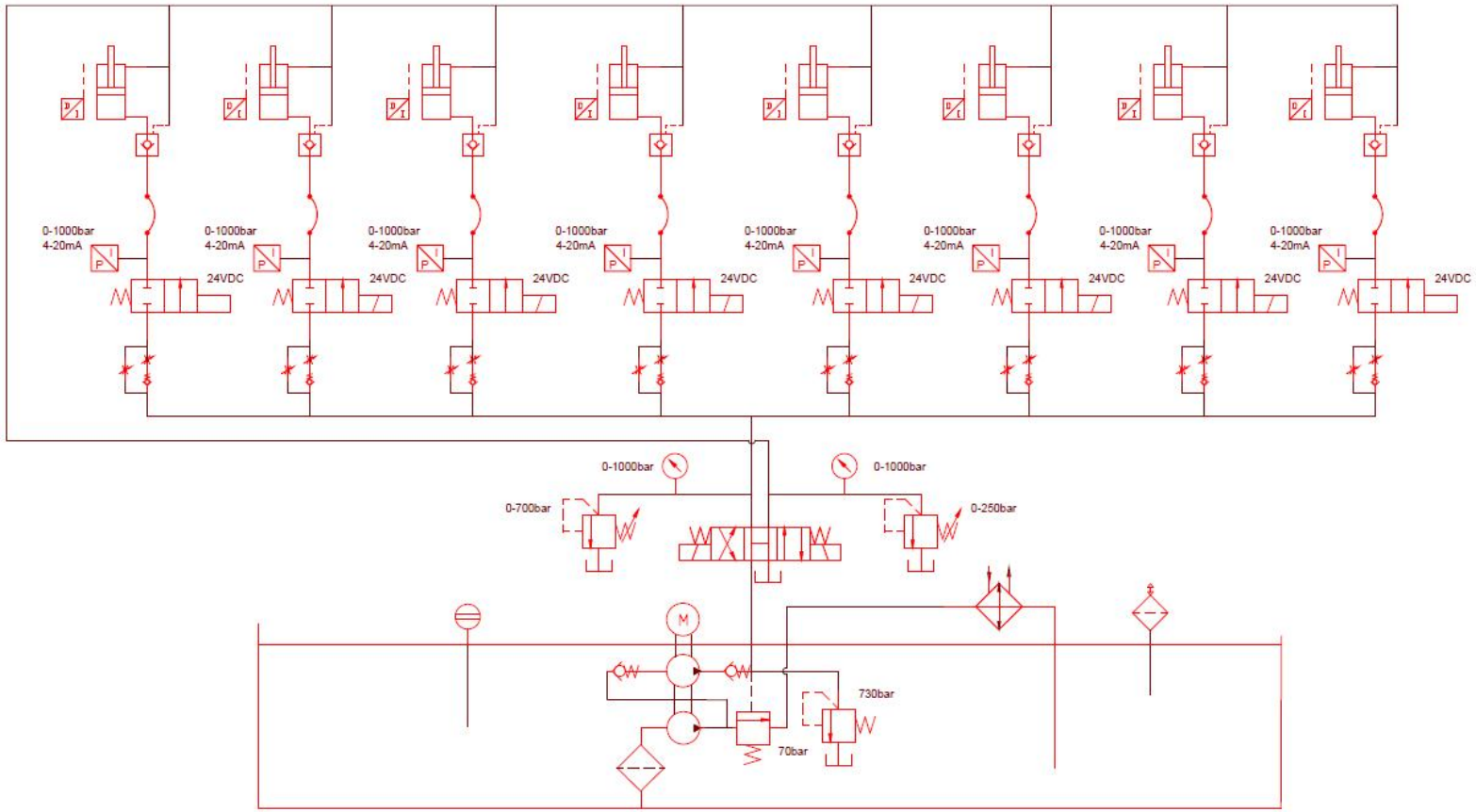
HE84200LL-8
SYNC lift system
quick guide

BOB

17/07/2025

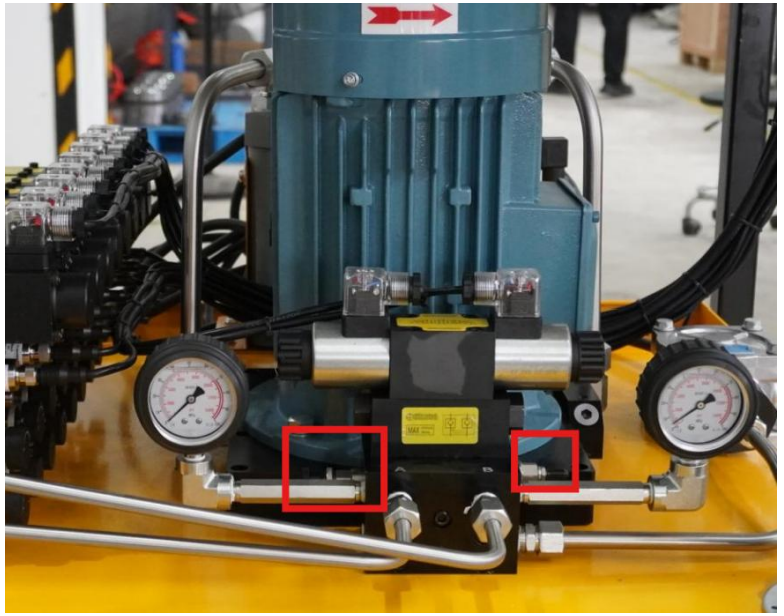
Parameters

- Motor power: 4KW, 380VAC, three-phase four-wire
- Rated working pressure: 700bar
- Oil: ISO VG46 or VG32
- Total fuel tank capacity: 200L
- Displacement sensor:1000MM
- Pressure sensor: 100MPa

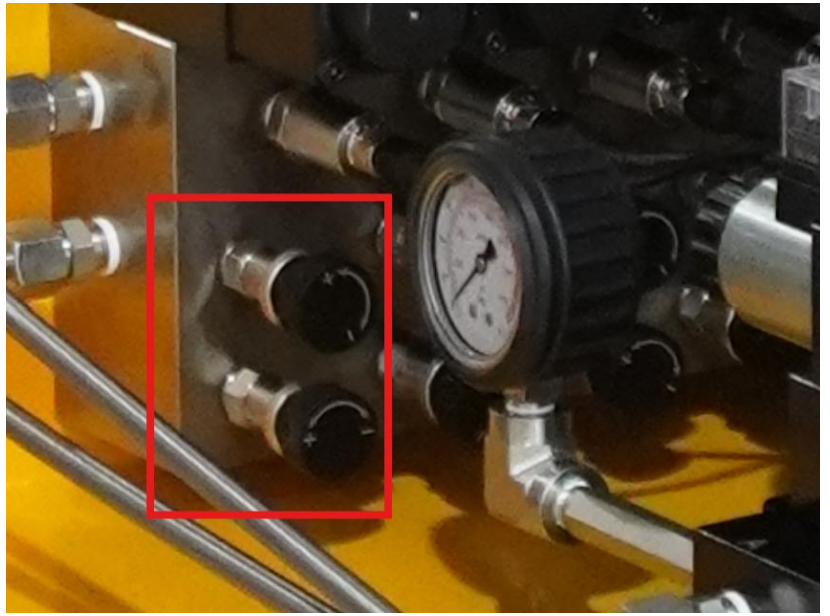


Step 1:check list

1. Power connect with at least 2.5mm^2 cabble; U/V/W/Pe, 380VAC
2. There is phase sequence protection relay, Motor runs anti-clockwise
3. Oil more then 2/3 from the level indicator
4. Cooling fan active when ambient temperature higher than 30℃

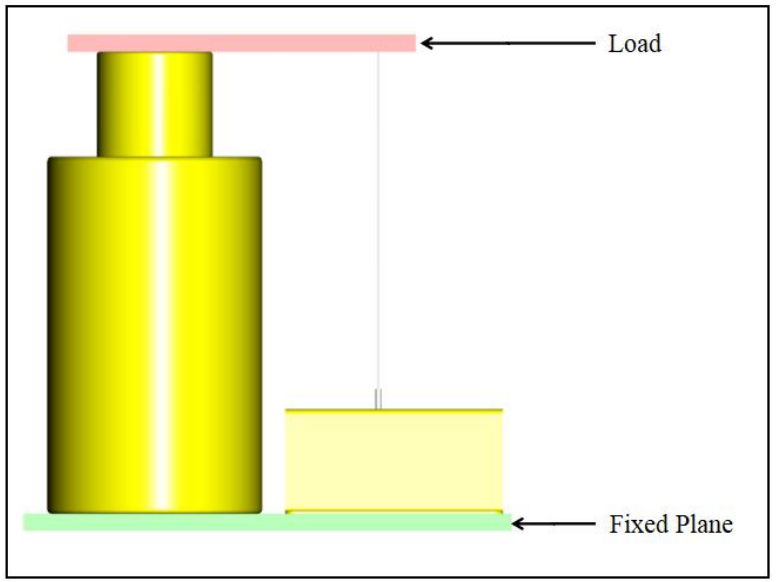


1. choose none point and active the motor, manual up and down
2. check the A port (left) and B port(right) pressure, B port suggestion value is 20 MPa



1. check the needle valve, advance rate(bottom 8 vavles)keep 3 or more cycles open
2. retraction port(up 8 valves) keep 0.5 cycle open when lowering and more cycles open if need quick retration.
3. clockwise is shutting and make sure tighting the lock nut always

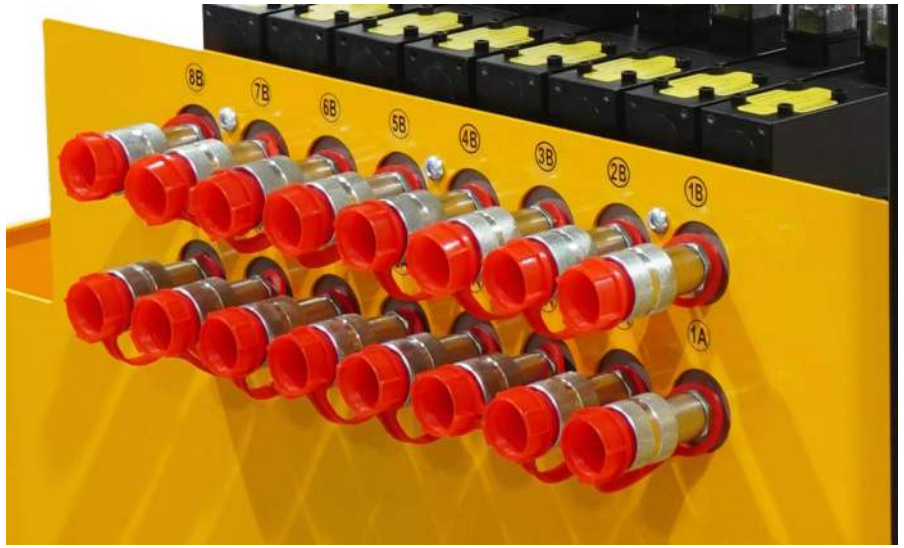
Step 2: sensor set and check



1. each control point has 1 displacement sensor, set it nearby the cylinder
   ① keep the sensor and rope vertical
   ② 1000mm stroke limited all the time

1. connect the cables to the couplers following the appointed sequence
2. active the points on screen and check if there is error information, there is value come back if the sensor is set rightly

Step 3: connect cylinder and hoses



① keep the same sequence with sensors

② A port to A and B to B

① “Motor” on

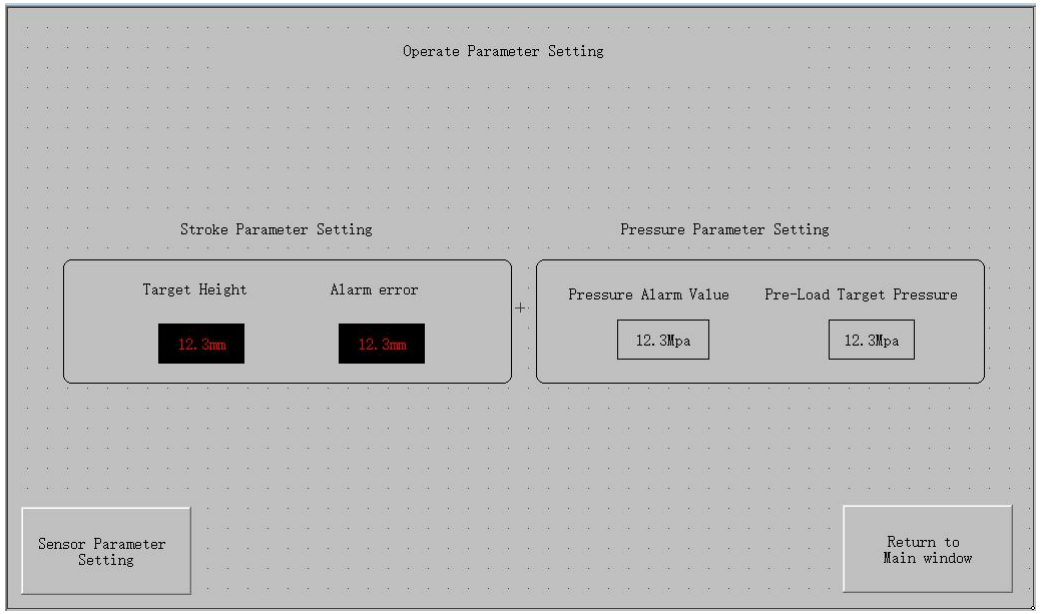
② choose the points on screen

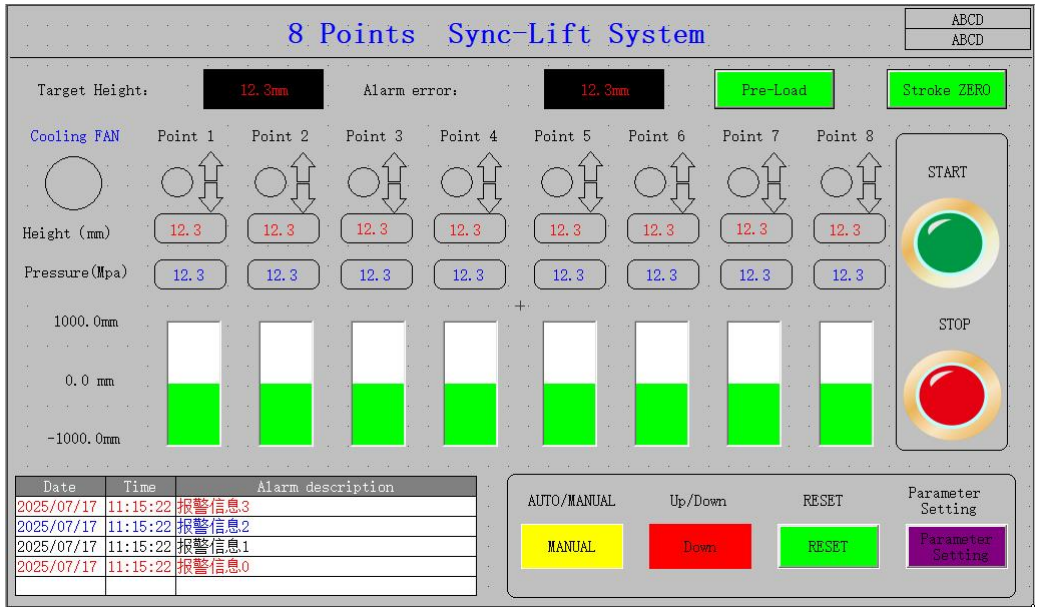
③ manual up/down

④ cylinders move and check

pre-load

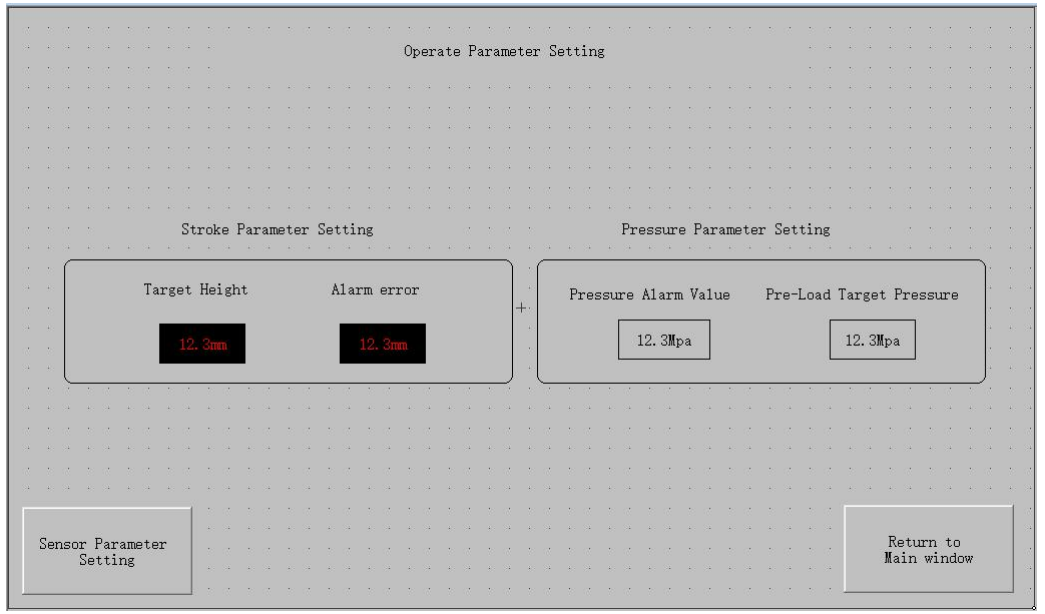
1. parameter setting interface, set the pre-load target pressure, 5-15MPa is ok(this pressure allows cylinder move to touch the load but not move the load)
2. Main interface, active the points, red lights turn to green
3. Choose “AUTO”-“Up”-“Pre-load”
4. The cylinders will advance until each one gets to the setting pressure and stop automatically
5. Stroke ZERO after pre-load finished
6. Active “RESET” when there is alarm infromation shows otherwise can not operate

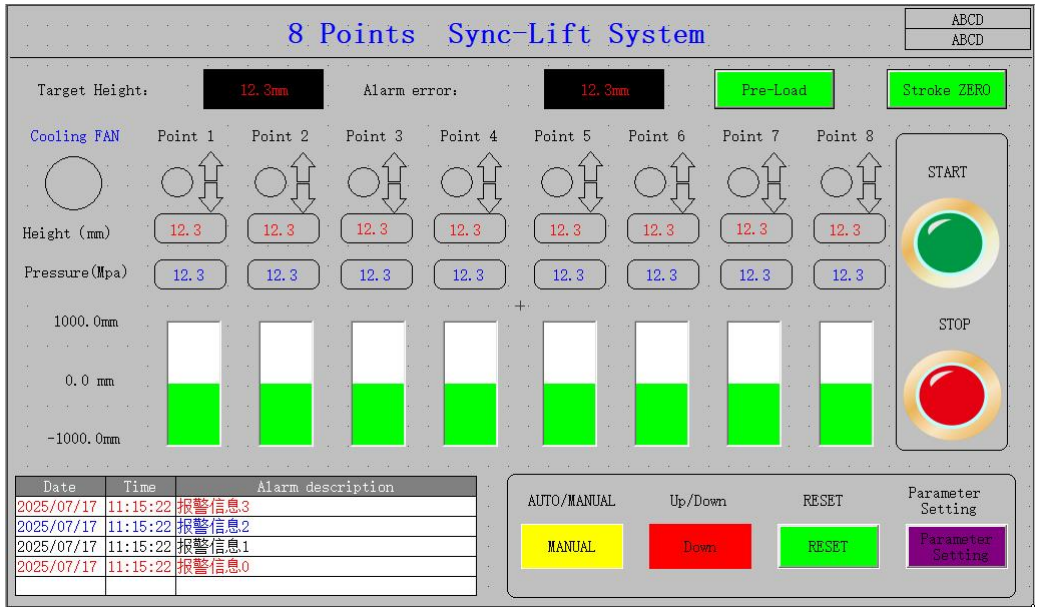




AUTO UP

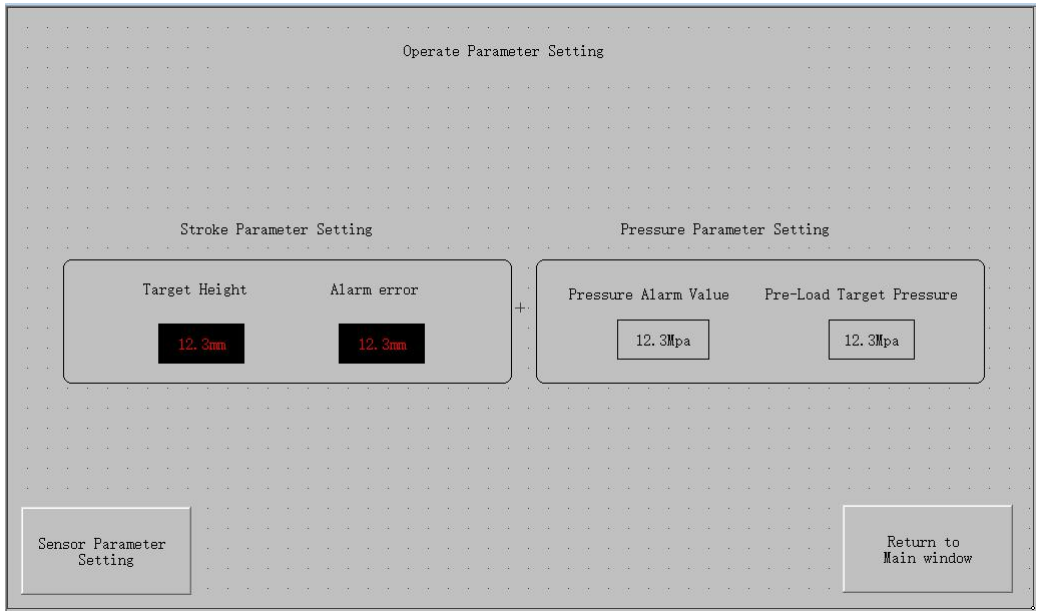
1. Main interface, click “stroke ZERO”, height all 0
2. Parameter setting interface, set the target height
3. Alarm error set to 3 mm or 5mm(it does not change the control accuracy, only alarm and stop when deviation arrives)
4. Pressure Alarm Value set(any points get to the value, system will stop and alarm)
5. Main interface, choose “AUTO”- “UP”
6. Push the mechanical button “AUTO Start”
7. The cylinders will move and stop automatically when getting to the target height.
8. Notice: Only the target height is bigger than height, AUTO-UP will active(if current is 20mm. target set to 50mm. auto-up will be 30mm moving)

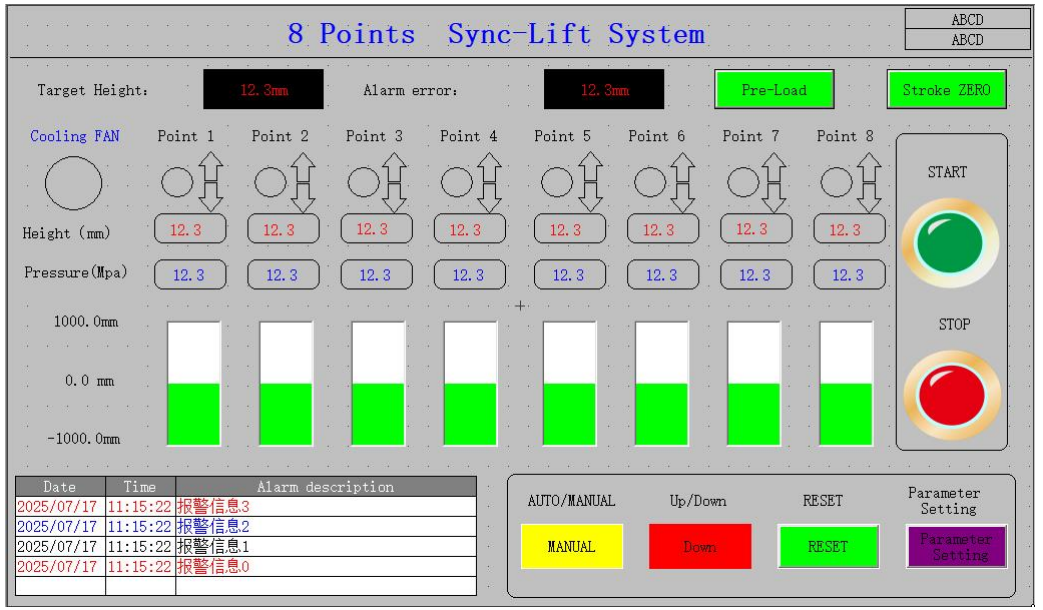




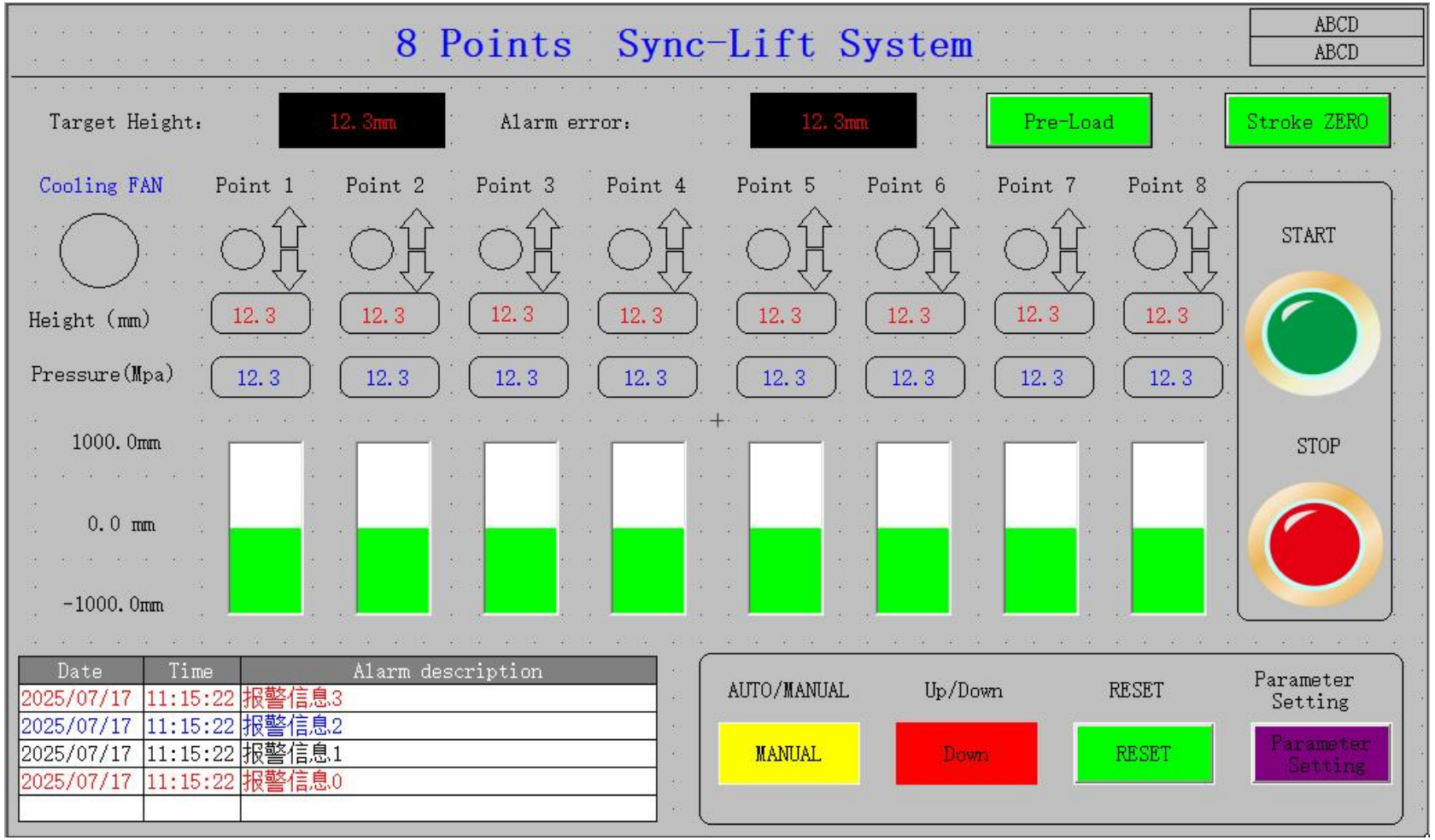
AUTO Down

1. Parameter setting interface, set the target height
2. Main interface, choose “AUTO”- “Down”
3. Push the mechanical button “AUTO Start”
4. The cylinders will retract and stop automatically when getting to the terget height.
5. Notice: Only the target height is lower than height, AUTO-Down will active(if current is 100mm. target set to 10mm. auto-down will be 90mm moving)





Alarm Operation



If any point gets deviation too big and alarm, use any method below:

1. try to munual control this point to the right positon, click RESET button on the screen and then repeat AUTO control
2. Stroke ZERO and reset the system, repeat AUTO control
3. Set the “ALARM Error” bigger