



1. EPIK



1. EPIK MODEL	
3	Vertical Part
(1)	Vertical Part Assembly
2. FWD/Back Part	(2) LM Assembly
3. Vertical Part	(3) PLATE & SHAFT Assembly
	(4) BELT GRIPPER Assembly
	(5) BELT Assembly
4. Rotation Part	(6) MOTOR BLOCK Assembly
5. Other Parts	(7) BELT GRIPPER & Sensor Assembly
	(8) BELT Assembly
6. Control Box	(9) FWD/Back Part & Vertical Part Assembly
	(10) FWD/Back Part BELT GRIPPER Assembly

1. Traverse Part

2. FWD/Back Part

3. Vertical Part

4. Rotation Part

5. Other Parts

6. Control Box

7. Wiring & Tubing





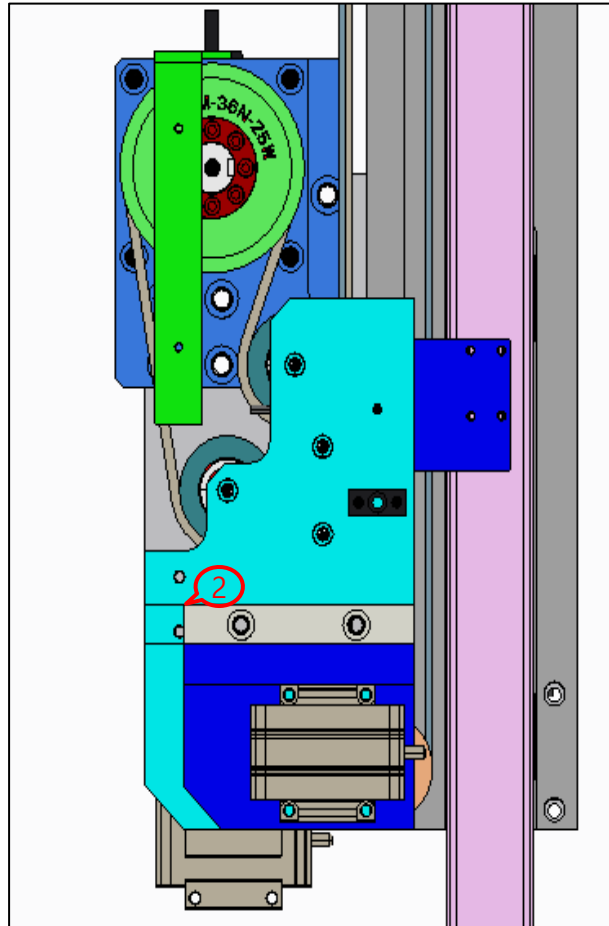
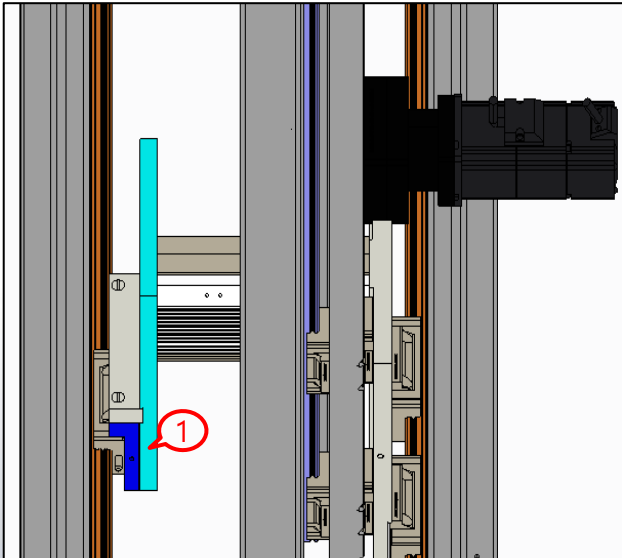
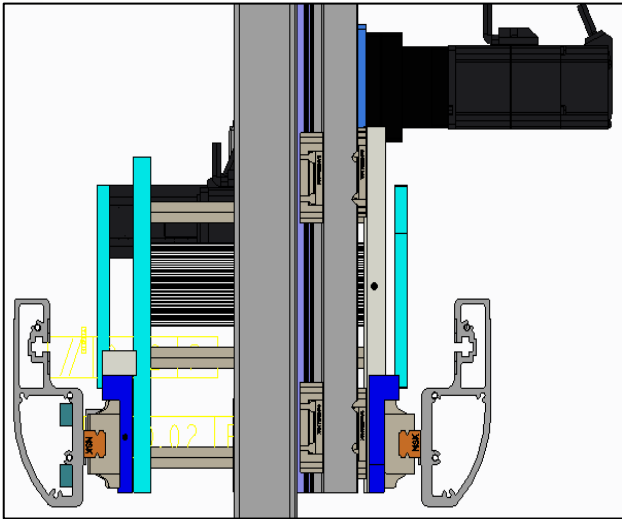
3. Vertical Part



1. Vertical Part Assembly

Key Point

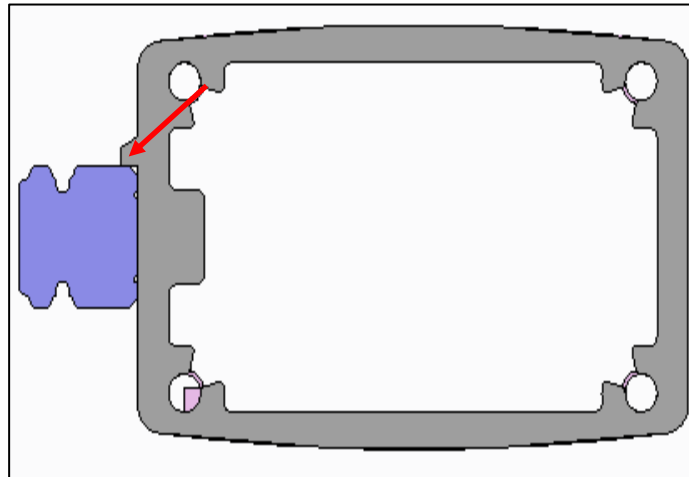
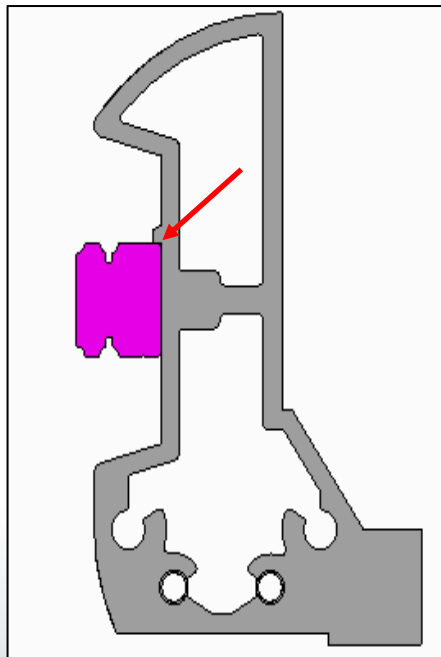
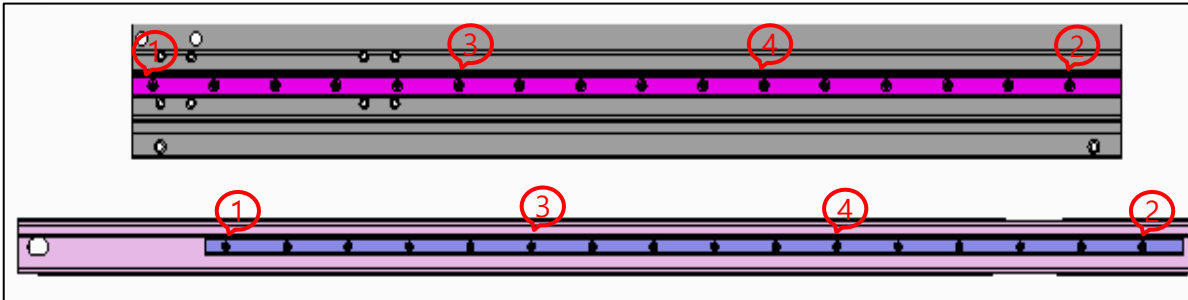
- 1) Place the pre-assembled vertical part on the PLATE -A assembled in the FWD/Back profile.
- 2) Assemble the PLATE-A of the FWD/Back profile with the PLATE of the vertical profile
- 3) After assembling the vertical part, move it in the forward/back direction to check for any noise or interference



3. Vertical Part



2. LM Assembly



Key Point

- 1) When assembling the LM GUIDE, perform the initial assembly (manually) at approximately 1 meter intervals, depending on the length. (Using a hex wrench in sequence)
- 2) When assembling the LM GUIDE, ensure it is tightly assembled against the reference surface of the FWD/Back profile.
- 3) Assemble the remaining bolts in the second stage.
- 4) For the areas where the assembly holes are covered by the LM BLOCK, move the LM BLOCK after assembly to ensure that all the bolts are properly secured. (Check the tightening torque using an L-wrench)

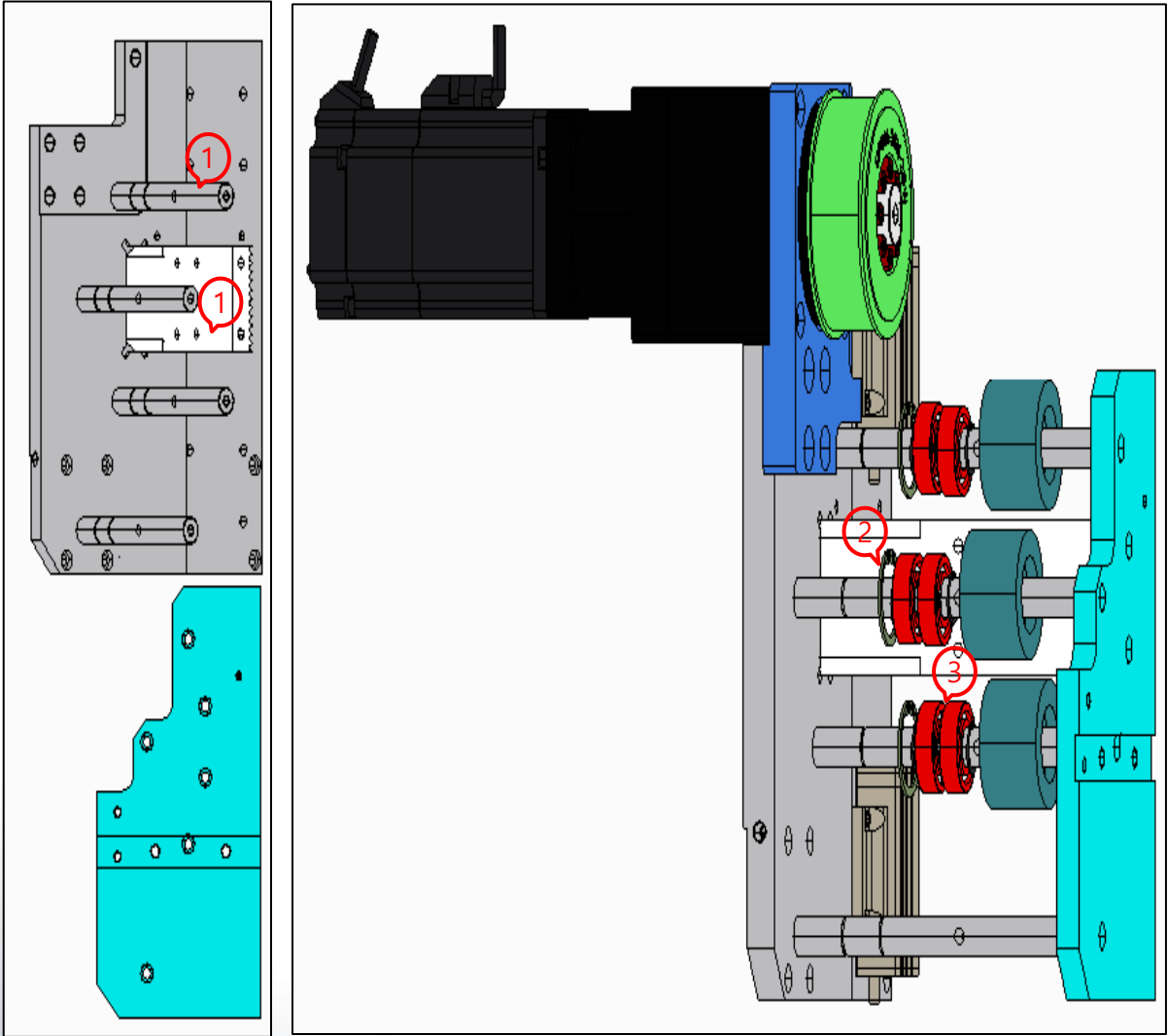
3. Vertical Part



3. PLATE & SHAFT Assembly

Key Point

- 1) Assemble the SHAFT and BELT GRIPPER onto one side of the vertical PLATE, and then assemble the opposite PLATE onto the other side.
- 2) Insert the snap ring into the SHAFT groove and pre-assemble the IDLE ROLLER during assembly.
- 3) Assemble the bearings and snap rings onto the IDLE ROLLER according to the required quantities.



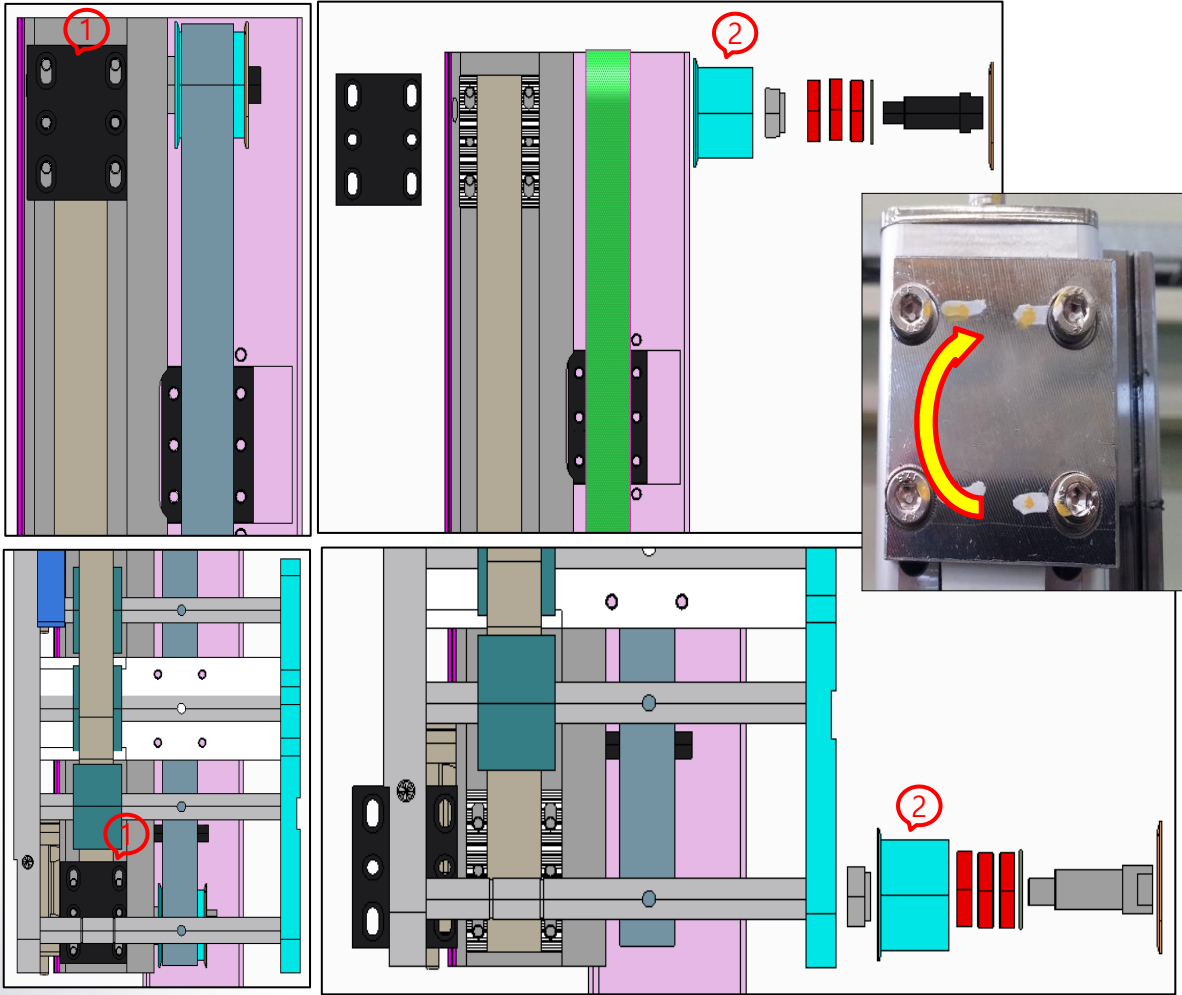


3. Vertical Part



4. BELT GRIPPER Assembly

Key Point



1) Assemble the belt gripper and gripper block on both ends of the belt. (Ensure that the gripper and block do not rotate and are firmly attached to the reference surface of the vertical profile.)

2) Assemble the IDLE ROLLER (including bearings, shaft, and snap ring color) onto the vertical part.

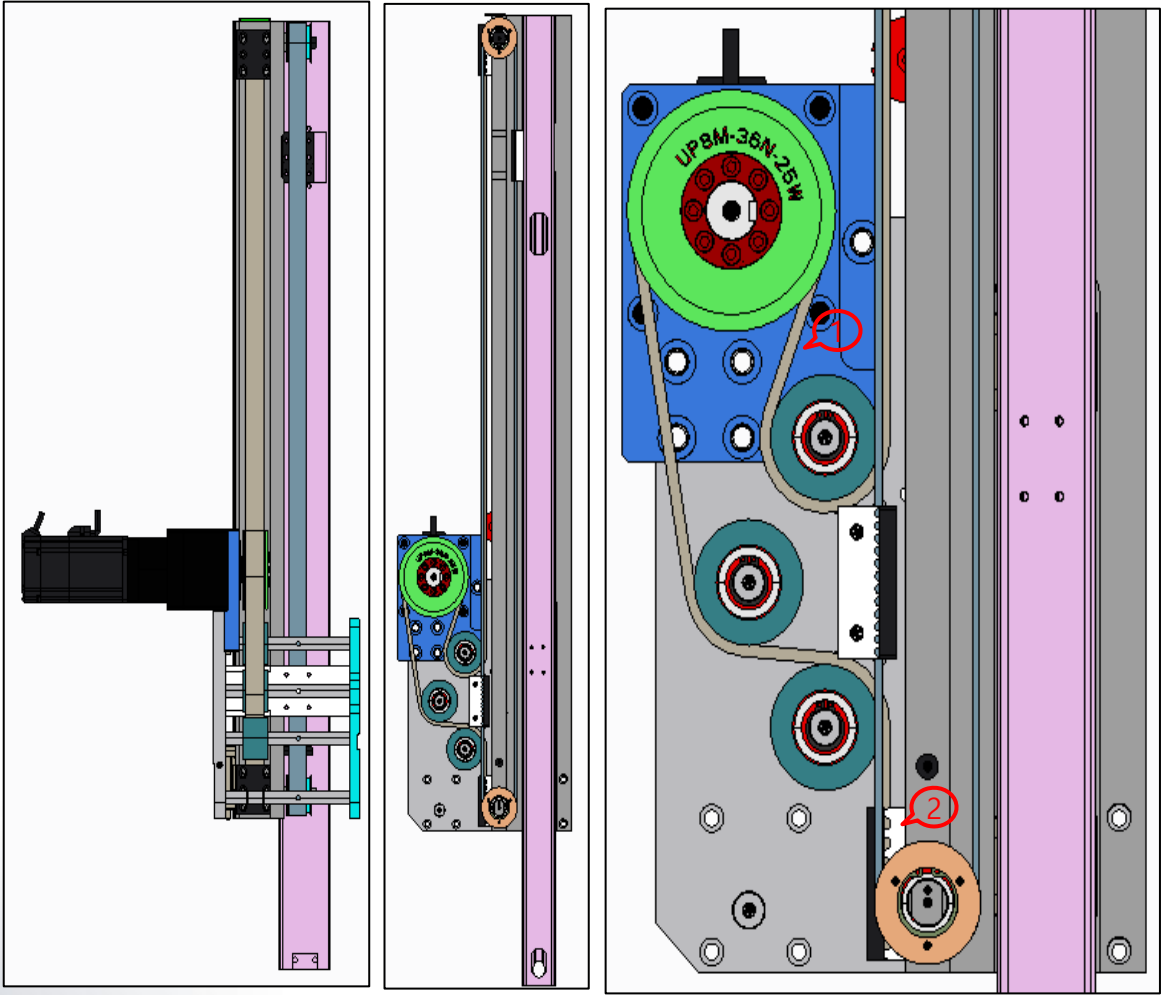
3) Adjust the belt tension by pushing and pulling the center part of the belt on the vertical unit with your hand.



3. Vertical Part



5. BELT Assembly



Key Point

- 1) Connect the belt on the vertical unit between the reducer and each roller as shown in the diagram.
- 2) After connecting the belt, assemble the belt gripper onto the end part of the belt.
- 3) After completing the belt assembly, move the vertical unit to check for any belt misalignment or chafing.

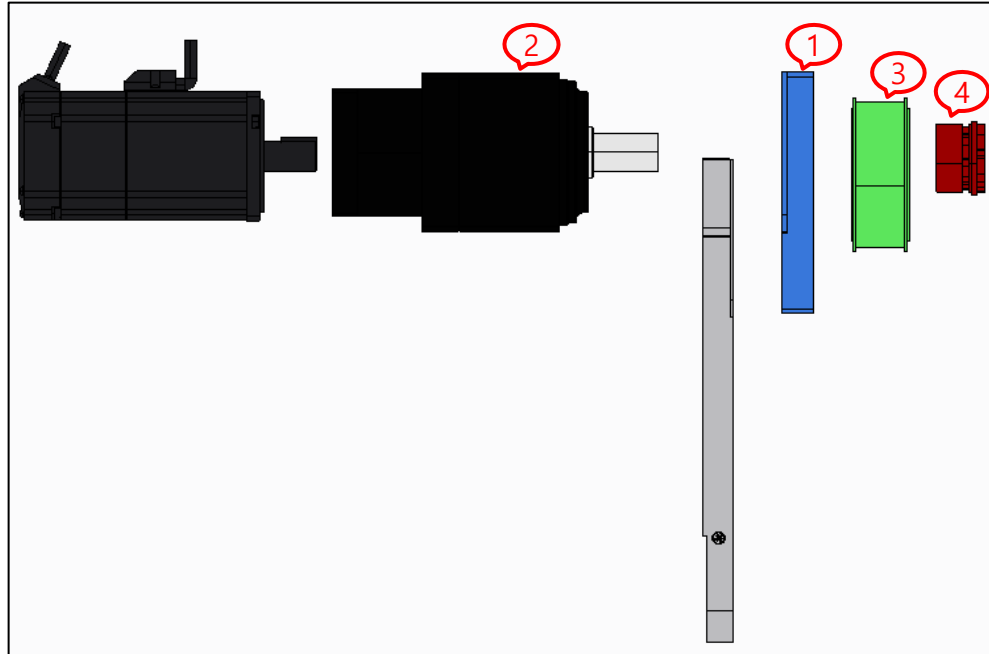
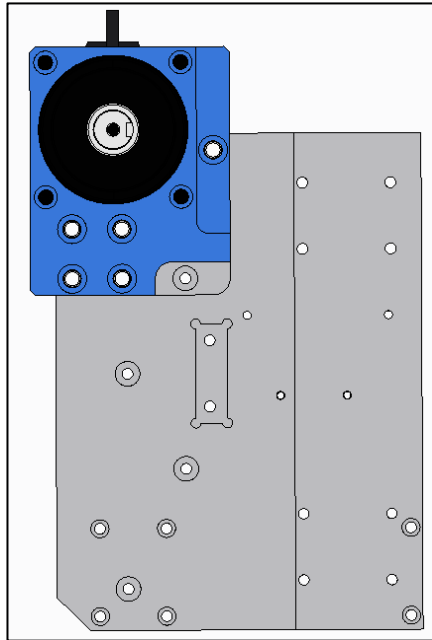




3. Vertical Part



6. MOTOR BLOCK assembly



Key Point

- 1) Assemble the MOTOR BLOCK onto the vertical PLATE.
- 2) Use a torque wrench to tighten the set screws inside the reducer to the appropriate torque.
- 3) Insert the pulley into the reducer and tighten the power lock by alternating in a cross pattern.



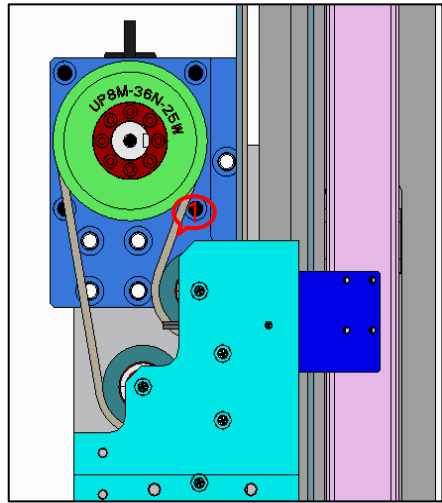
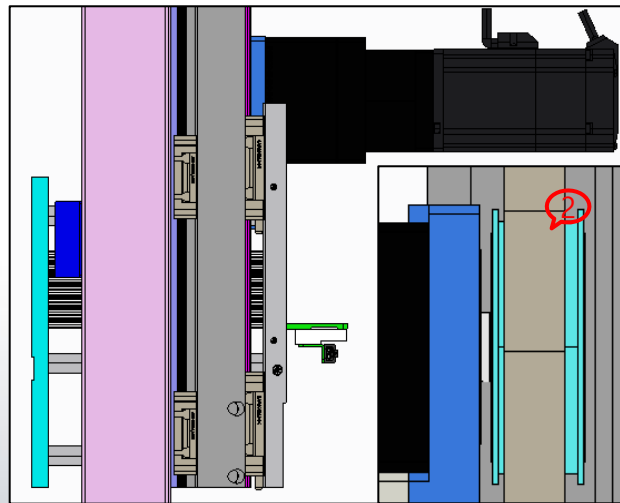
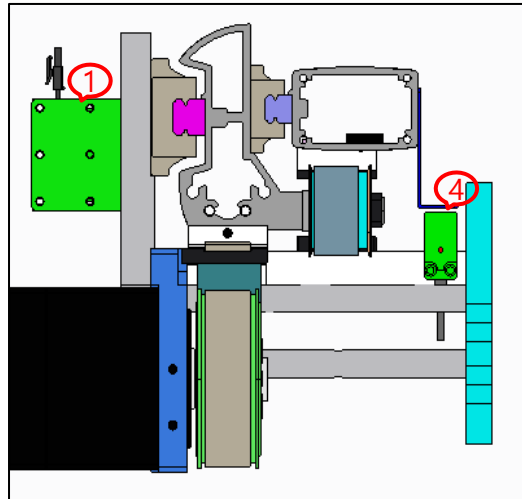
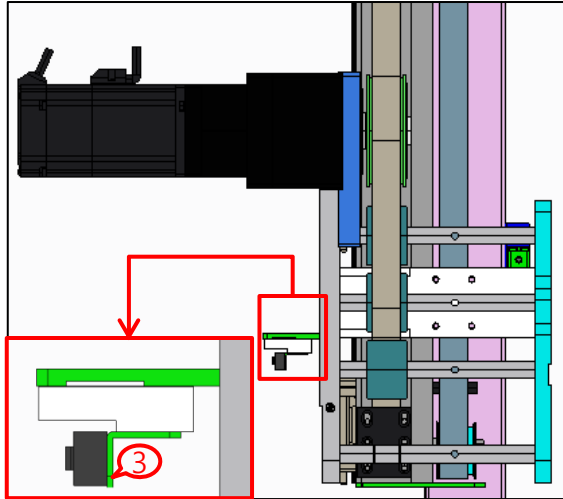


3. Vertical Part



7. BELT GRIPPER & Sensor assembly

Key Point



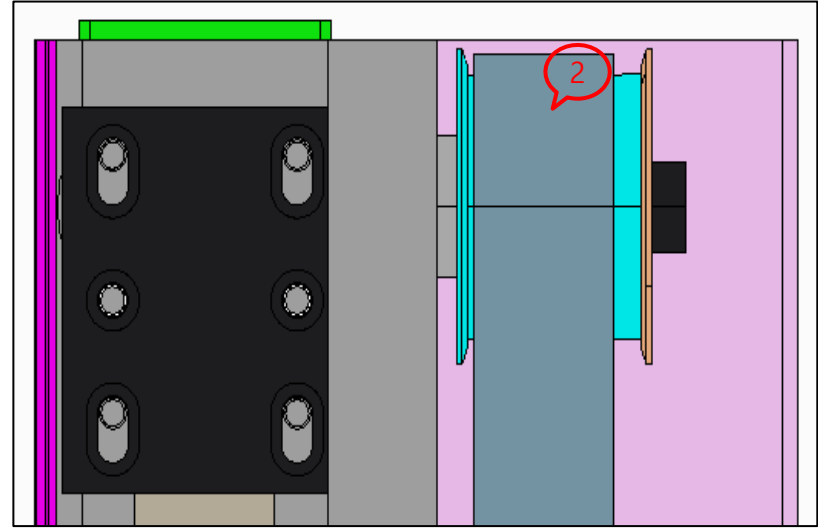
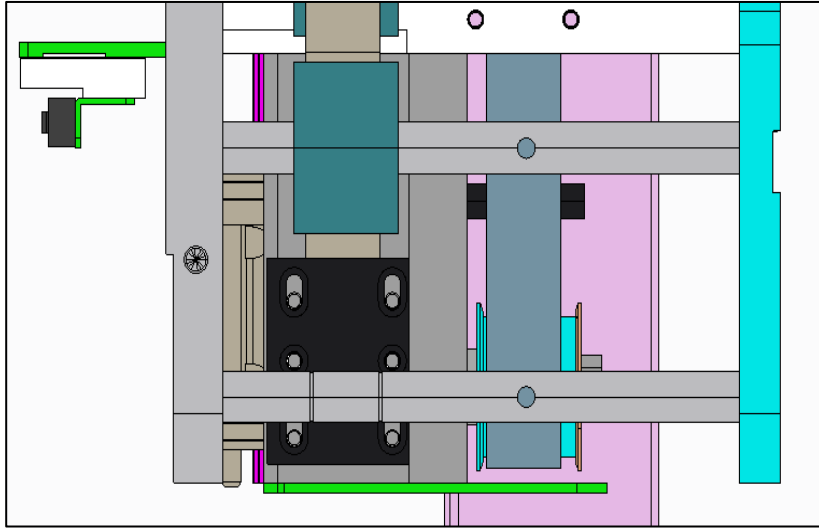
- 1) Attach the FWD/Back BELT GRIPPER to the side of the PLATE.
- 2) When assembling the FWD/Back BELT GRIPPER, ensure that the belt is seated in the groove between the GRIPPER and BLOCK. (Be careful not to pinch the belt outside the groove.)
- 3) Assemble the proximity sensor under the BELT GRIPPER that goes between the vertical PLATE. (Use SUS BOLTS.)
- 4) After assembling the proximity sensor touch plate on the vertical profile, move the profile to check the gap and ensure there is no interference between the proximity sensor and the touch plate.



3. Vertical Part

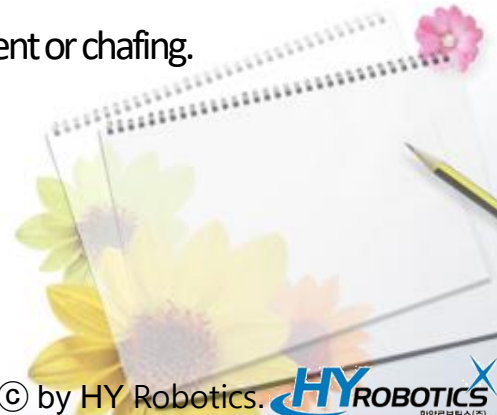


8. BELT Assembly



Key Point

- 1) Hang the vertical unit belt between the pulley and each ROLLER and assemble it onto both BELT GRIPPERS.
- 2) After completing the belt assembly, move the vertical profile to check for any belt misalignment or chafing.



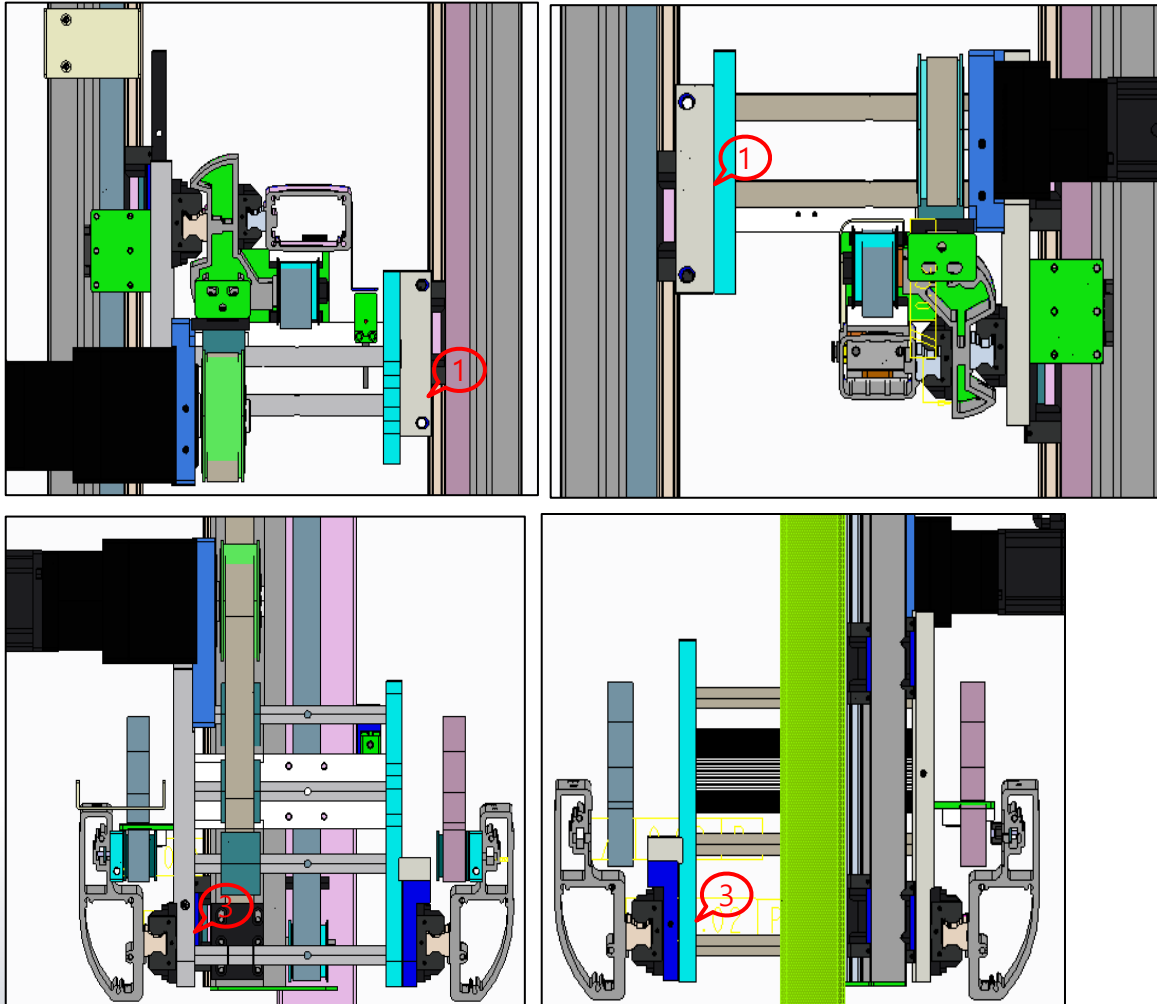
3. Vertical Part



9. FWD/Back Part & Vertical Part Assembly

Key Point

- 1) Once the vertical unit is fully assembled, place it on top of the forward/reverse PLATE and assemble it.
- 2) Connect the PLATE assembled to the FWD/Back LM BLOCK with the PLATE attached to the vertical unit.
- 3) On the opposite side of the FWD/Back unit (the side without the PLATE), check for any noise or obstructions during the movement of the vertical unit.
- 4) After assembling the FWD/Back unit and the vertical unit, move the FWD/Back unit to check for any noise or obstructions during movement.

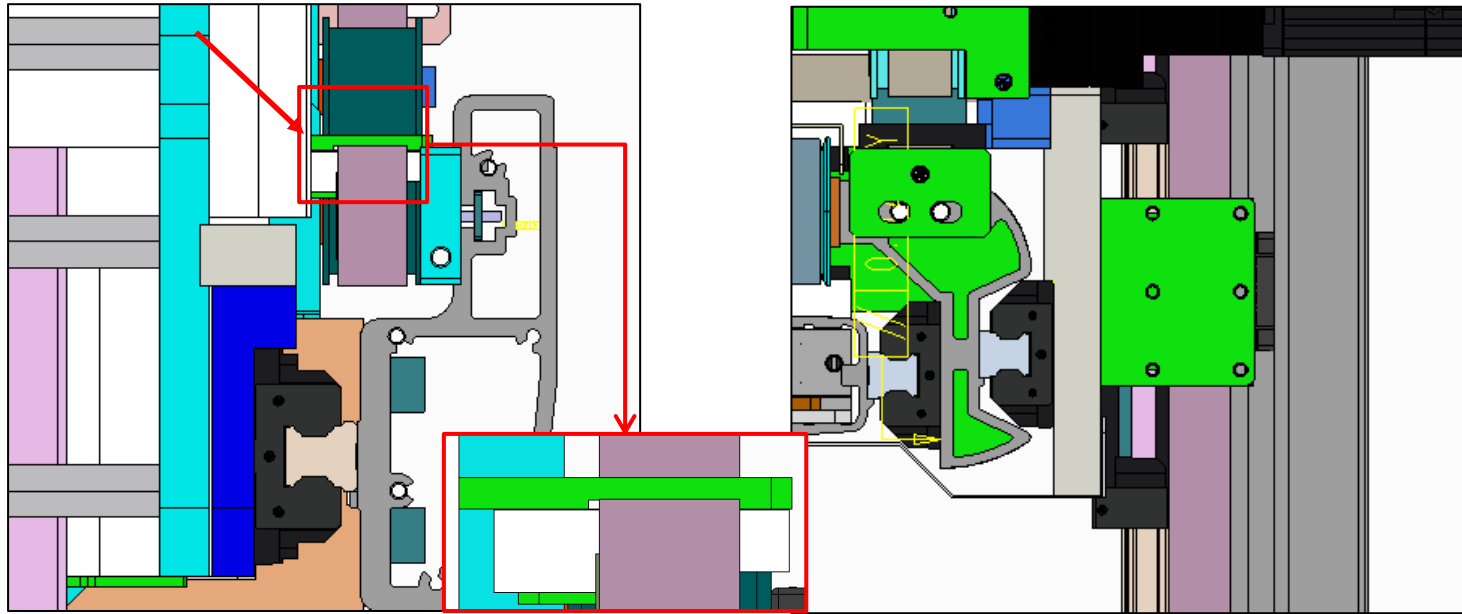




3. Vertical Part



10. FWD/Back Part BELT GRIPPER Assembly



Key Point

- 1) When assembling the FWD/Back BELT GRIPPER, ensure that the belt is not skewed to one side.
- 2) After assembling the BELT GRIPPER, move the FWD/Back unit to check for any belt misalignment or chafing.
- 3) Push the FWD/Back unit as close as possible to the side of the traverse beam body, then press the center part of the belt to check the tension.