

8. Troubleshooting

8-1. Problems and countermeasures

Check the following, and take corrective actions.

Symptom	Cause	Corrective actions
Gripper does not operate	Gripper internal part is broken.	Replace the gripper with a new one.
	Slideways get seized.	Disassemble, and correct the seized part with an oilstone, or replace the gripper with a new one.
	The piston does not operate.	Check that the air pressure is within the operating pressure range.
		Check for air leakage.
		Check the piping and solenoid valve, and if normal, disassemble and clean the cylinder.
The switch is faulty or installed incorrectly.	Check that the switch can detect normally.	
Lack of master jaw stroke	Much dust exists in master jaws.	Disassemble the gripper, clean it, replace the seals, and apply grease.
Low gripping force	Low air pressure	Check that the air pressure is within the operating pressure range.
	Air leaks from the seal.	Disassemble the gripper, clean it, replace the seals, and apply grease.
	Master jaw movements are not smooth.	Remove the cover and supply grease, and open and close the master jaws several times without gripping any conveyed workpiece.
		Disassemble the gripper, clean it, and apply grease.

WARNING

- If the gripper failed due to a seizure or damage, disassemble the gripper following the disassembly procedure. If the gripper is in the state that you cannot disassemble, do not disassemble it forcibly but please contact us or our agents.
- Stop using the gripper immediately if the situations are not improved though corrective actions given in above table were taken. Continuous use of faulty product or part could cause serious human accidents due to flying gripper or conveyed workpiece.
- The gripper must be repaired only by skilled persons who have received the training course. Repair by unskilled persons or persons other than us or our agents could cause serious human accidents.

8-2. Contact address in case of trouble

Please get in touch with our sales agent from which you purchased the gripper or our office when the gripper troubled.