

Error Code	Description	Root Cause	Corrective Action
180328	Chip Eject Error	Any of the following causes is likely: 1. Recognition error component failed to be ejected to the eject box. 2. Nozzle or filter clogged. 3. Sensor may be at fault.	Take measures shown with the same number as that of the cause. 1. Remove the remaining components from the nozzles and restart the machine. 2. Clean the nozzle and filter. 3. Choose [Machine] - [Adjust] - [Head] - [Vac output check] and if any problem is found, contact PFSC.
180307	Parts Recognition Error	Any of the following causes is likely: 1. Improper components are set. 2. Incorrect component data. (component dimensions, etc.)	Take measures shown with the same number as that of the cause. 1. Set the correct components. 2. Check the component data (component dimensions, etc.).
180306	Part Pickup Error	Any of the following causes is likely: 1. Invalid component data height. 2. Improper component feed. 3. Incorrect pickup position.	Take measures shown with the same number as that of the cause. 1. Correct the component data. 2. Replace the feeder. 3. Choose [Arrange] - [Parts prepare] - [Feeder] - [Pickup position] and perform teaching of the component pickup position.
180316	PCB position Error	PCB is removed or is not placed at the correct position.	1. Set the PCB in position. 2. If the PCB is removed, press the [PCB Remove] button.
180394	Feeder Error Rate Stop	Pickup errors and/or recognition errors have occurred beyond the bad feeder error rate set in action parameters.	Check the condition of the feeder and clean it if necessary.
180332	Pickup Pos Recog Error.	Component is out of camera's view.	Take measures in the following order. 1. Move the camera to the center position of the component using the inching function and press the [Recognize] button. 2. If the recognition error occurs again, move the camera to the center position of the component using the inching function and press the [Manual set] button.[Manual set]: Save the inching amount as the offset.
180343	Top Tape Exhaust	Cover tape is broken	Reset the cover tape properly.
180314	PCB Transfer Error	PCB failed to be transferred properly.	Check inside the machine and remove the PCB.
180420	Other Lane error	Other Lane error	Other Lane error
180460	Nozzle Height Range Over (Recognition)	Nozzle height offset is beyond the threshold value. Pre-scanning setting of the vertical line camera could not be made.	1. The offset value of the nozzle height detection is not correct. 2. Calibrate the origin offset Z-axis and vertical line camera..
180411	Feeder Pull-out error	Feeder was pulled out due to a reason other than component empty.	Set the feeder again.
180317	Cover Open	Safety cover is open	Take measures in the following order. 1. Close the safety cover if opened. 2. If the error persists even after the safety cover is closed, the safety switch may be at fault. Contact PFSC.
180309	Part Mount Error	Any of the following causes is likely: 1. Component was carried back without	Take measures shown with the same number as that of the cause.

		mounting it. 2. Nozzle or filter is clogged with dust or dirt. 3. Sensor may be at fault.	1. Remove the remaining components from the nozzles and restart the machine. 2. Clean the nozzle and filter. 3. Choose [Machine] - [Adjust] - [Head] - [Vac output check] and if any problem is found, contact PFSC.
180414	Tape Jamming Error	The cover tape jammed in the mechanism or some other trouble occurred.	1. Make sure the reel is properly installed. 2. Make sure the tension sensor is working properly.
180327	Part Fall	Any of the following causes is likely: 1. Component dropped during after recognition before it was mounted. 2. Nozzle or filter clogged. 3. Component is not securely picked up by the nozzle. 4. Sensor may be at fault	Take measures shown with the same number as that of the cause. 1. Remove dropped component and restart the machine. 2. Clean the nozzle and filter. 3. Remove the component and restart production. 4. Choose [Machine] - [Adjust] - [Head] - [Vac output check] and if any problem is found, contact PFSC.
180383	Clogged Nozzle Detect	Clogged nozzle detected.	Clean the applicable nozzle.
180395	Head Error Rate Stop	Pickup errors or recognition errors have occurred beyond the bad head error rate set in action parameters.	Check the condition of the head and clean it if necessary.
180366	Feeder Abnormality	Abnormality found in the feeder.	Check the feeder or replace the feeder
180313	PCB Recognition Error	Any of the following causes is likely: 1. Recognition mark is out of camera's view. 2. Recognition error occurred due to dirt on PCB. 3. PCB recognition coordinates are incorrect.	Take measures shown with the same number as that of the cause. 1. Using the inching function, move the camera to the recognition mark position and press the Rerecognize button. 2. After cleaning the recognition camera and PCB, press the Rerecognize button. If the recognition error occurs again, move the camera to the recognition mark position with the Pass button or inching function and press the Manual set button. [Pass]: Pass the PCB.[Manual set]: Save the inching amount as the offset. 3. Choose [Production data] - [Correct] - [PCB] - [PCB recog.] and enter the correct PCB recognition coordinates.
180382	Nozzle Install Error (Flow Rate)	Any of the following causes is likely: 1. Nozzle failed to be changed properly due to dirt or dust on the nozzle^ nozzle holder or nozzle changer. 2. Shutter is at fault.	Clean the nozzles, nozzle holders and nozzle changer. If the error persists, contact PFSC.
180373	Nozzle Diameter Error	Nozzle diameter was judged to be abnormal during nozzle position recognition.	Make sure that correct nozzles are attached.
180352	Opening Sensor Detect (Right)	Obstacle detected at the right NPM conveyor outer opening sensor or left opening sensor of the adjoining machine.	Remove the obstacle from the right NPM conveyor outer opening sensor or left opening sensor of the adjoining machine.
180391	Pre Proc Adjacent Safety Error	1. Foreign body found at the transfer opening. 2. Feeder cover not attached.	Take measures shown with the same number as that of the cause. 1. Remove any foreign body from the transfer opening.

		3. Emergency stop switch of the adjoining machine has been pressed.	2. Attach the feeder cover. 3. Release the emergency stop status of the adjoining machine.
180374	Nozzle Position Diameter Error.	Both nozzle position and diameter were judged to be abnormal during nozzle position recognition.	Take any of the following measures: 1. Make sure that correct nozzles are attached. 2. Check the nozzles are free of bend or other defects.
180375	Nozzle Recognition Error	Nozzle recognition failed during nozzle position recognition.	Take any of the following measures: 1. Make sure that correct nozzles are attached. 2. Check the nozzles are free of bend or other defects. 3. Make sure the light of the parts recognition camera is lit during nozzle recognition. If not lit, contact PFSC.
180384	Cart Offset Value Range Excess	Recognition result of cart offset mark is beyond the specified range.	Make sure the feeder cart is set to the machine in the upright position. If slanted, detach the feeder cart once and attach it again.
180470	Nozzle Height With Last Value Difference Error	The difference is over 0.1mm compared to the last measure result.	1. Check the mounting status of the nozzle. Make sure that there is no foreign body on the lens of the parts recognition camera. 2. Calibrate origin offset Z- axis and multi recognition camera offset.
180459	Nozzle Height Detect Error (Recognition)	Difference between nozzle detection result and nozzle length exceeded the range of -0.3mm~0.4mm.	1. Check the nozzle length. 2. Calibrate origin offset Z-axis and multi recognition camera offset.
180364	Feeder Setting Error	Failed to make feeder setting.	Make sure the attached feeder is correct. If something is wrong with the feeder, replace it with a proper one.
180353	Opening Sensor Detect (Left)	Obstacle detected at the left NPM conveyor outer opening sensor or right opening sensor of the adjoining machine.	Remove the obstacle from the left NPM conveyor outer opening sensor or right opening sensor of the adjoining machine.