Responding to Error Messages

This section describes the error messages that may appear in VPanel and how to take action to remedy the problem. If the action described here does not correct the problem or if an error message not described here appears, contact your authorized DGSHAPE Corporation dealer.

Error number	Message	Situation/Error Cause	Action
1000-****	**The % limit switch is not found. (% may be "X," "Y," "Z," "A," or "B.")**	The operation may be inhibited by milling waste or an obstruction.	1. Turn off the power. 2. Remove any objects blocking operation of the machine and any accumulated milling waste. 3. Turn on the power, and then restart operation.
1006-****	**The % axis position has been shifted. (% may be "X," "Y," "Z," "A," or "B.")**	The motor position may have been lost.	1. Remove any objects blocking operation of the machine and any accumulated milling waste. 2. Press and hold the operation button on the built-in panel. This will clear the error.
		The milling conditions may be excessively strict.	1. Press and hold the operation button on the built-in panel. This will clear the error. 2. Review the CAM settings and the shape specified in the CAD data.
1017-0000	**The front cover was opened.**	The front cover was opened during spindle rotation. (For safety, the machine comes to an emergency stop if the front cover is opened while the spindle is rotating.)	**To continue milling** Press the operation button on the built-in panel to resume milling. **To abort milling** Press and hold the built-in panel's operation button. Do not open the front cover while the spindle is rotating. Doing so may affect the milling results.
101C-0000	**The milling bur sensor was not found.**	The operation may be inhibited by milling waste or an obstruction.	1. Turn off the power. 2. Remove any objects blocking operation of the machine and any accumulated milling waste. 3. Turn on the power, and then restart operation.
101D-****	**The % milling bur cannot be released. (% may be "1" to "15.")**	The returning of the milling bur failed. The inside of the collet or the ATC magazine might be dirty.	1. Press and hold the operation button on the built-in panel. This will clear the error. 2. Clicking "Open collet" in VPanel will open the collet. Remove the milling bur. ☞ P. 11 ""Maintenance" Tab" 3. Clean the ATC magazine. ☞ P. 48 "Cleaning after Milling Finishes" 4. Retighten the collet. ☞ P. 59 "Retightening the Collet" If the error occurs again even after you perform the above operations, the collet may be deformed. In this case, replace the collet.
		The collet and milling bur are affixed together and cannot be separated. The inside of the collet might be dirty.	
101D-0010	**The cleaning tool cannot be released.**	The operation to return the cleaning tool failed. The inside of the collet or the ATC magazine might be dirty.	1. Press and hold the operation button on the built-in panel. 2. Perform "Open collet" in VPanel. 3. Remove the cleaning tool. 4. Clean the ATC magazine.

Error number	Message	Situation/Error Cause	Action
101E-****	**The % milling bur might be broken. (% may be "1" to "15.")**	The milling bur might be broken.	1. Press and hold the operation button on the built-in panel to clear the error. 2. If the milling bur is broken, replace it with a new one. 3. If the position of the milling bur holder is not appropriate, correct the position. ☞ P. 36 "STEP 3: Loading the Milling Bur"
		The milling bur holder might be out of position.	
		The milling conditions may be excessively strict.	1. Press and hold the operation button on the built-in panel. This will clear the error. 2. Review the CAM settings and the shape specified in the CAD data.
		The collet may have worn out.	If the error occurs again even after you perform the above operations, the collet may have worn out, leading to a decrease in its retention capabilities. Replace the collet with a new one.
101F-****	**The % milling bur chucking has slipped out. (% may be "1" to "15.")**	The collet may have come loose.	1. Press and hold the operation button on the built-in panel to clear the error. 2. Retighten the collet. ☞ P. 59 "Retightening the Collet"
		The milling conditions may be excessively strict.	1. Press and hold the operation button on the built-in panel. This will clear the error. 2. Review the CAM settings and the shape specified in the CAD data.
		The collet may have worn out.	If the error occurs again even after you perform the above operations, the collet may have worn out, leading to a decrease in its retention capabilities. Replace the collet with a new one.
1020-**** 1021-****	**The % milling bur is too long.** **The % milling bur is too short. (% may be "1" to "15.")**	There is a possibility that the position of the milling bur holder is not correct.	Replace the milling bur with one of the appropriate length (40 to 55 mm). Also check the position of the milling bur holder. ☞ P. 36 "STEP 3: Loading the Milling Bur"
1022-****	**The % milling bur was not found. (% may be "1" to "15.")**	The milling bur has not been set or it may have been mounted on an incorrect stocker number.	1. Set the milling bur in the correct position. **If the error occurred during milling** Close the front cover, and press the built-in panel's operation button. Milling will resume.
		There is a possibility that the ATC magazine is out of position.	Perform automatic correction. ☞ P. 53 "Correcting the Milling Machine"
		The collet may have worn out.	Replace the collet. If the error occurs again even after you perform the above operations, replace the spindle unit with a new one.

Error number	Message	Situation/Error Cause	Action
1022-0010	**The cleaning tool was not found.**	The cleaning tool has not been set or it may have been set on an incorrect stocker number.	Set the cleaning tool in the correct position. **If the error occurred during milling** Press the operation button on the built-in panel. **If the error occurred while the machine was on standby** Press and hold the operation button on the built-in panel.
1023-0000	**Milling data error. The number of parameters is incorrect.**	There may be a problem with the milling data received from the computer. <When using Intelligent Tool Control> When using CAM to select the stocker number, the stocker number set as the second or third milling bur in Intelligent Tool Control has been selected.	1. Press and hold the operation button on the built-in panel. This will clear the error. 2. Check the milling data. If there are no problems with the milling data, restart the computer, and then perform milling again. <When using Intelligent Tool Control> When using CAM to select the stocker number, do not select the stocker number set as the second or third milling bur in Intelligent Tool Control. ☞P. 45 "Automatically Switching Out the Worn Milling Bur (Intelligent Tool Control)"
1024-0000	**Milling data error. The parameter is out of range.**		
1025-0000	**Milling data error. A wrong command is detected.**		
1026-0000	**Milling data error. The address is not defined.**		
1027-0000	**Milling data error. The parameter is not defined.**		
1028-0000	**Milling data error. The operation cannot be executed.**		
1029-0000	**The spindle experienced an overload.**	The spindle stopped under a large cutting load or due to a similar cause. The following are likely reasons. • The milling bur is worn. • A workpiece that cannot be cut by the machine is being used. • The cutting conditions are too strict.	1. Turn off the power. 2. Check the milling bur, the workpiece, and the CAM settings as well as the shape specified in the milling data. 3. Allow the machine to rest for some time before turning the power on because the motor may have overheated.
102A-0000	**The spindle experienced overcurrent.**		
102B-0000	**The spindle motor temperature is too high.**		
102D-0000	**The spindle can not be turned.**	The cable may be broken or the spindle unit may be defective.	Turn off the power and contact your authorized DGSHAPE Corporation dealer.
1030-0000	**The dust collector is not working.**	Make sure the dust collector is connected correctly and the power is on.	Turn the dust collector on, and then check the dust collector settings and the filter.

Error number	Message	Situation/Error Cause	Action
103B-0000	**The automatic correction is not yet finished.**	Automatic correction may not have been performed.	1. Press and hold the operation button on the built-in panel. This will clear the error. 2. Perform automatic correction. ☞ P. 53 "Correcting the Milling Machine"
		Automatic correction may have been cancelled before it could finish.	
		Automatic correction may not have been performed after updating the firmware to a version that required automatic correction to be performed again.	
		The versions of VPanel and the machine's firmware may not match.	Download the latest versions of VPanel and the machine's firmware from the DGSHAPE Corporation website (http://www.dgshape.com/), and then install these versions.
103D-0000	**Milling data error. The milling bur cannot reach the milling position.**	If the milling bur is too short, or if the angle of the A axis and B axis are too large, the milling bur may not reach the milling position in the Z direction.	1. Press and hold the operation button on the built-in panel. This will clear the error. 2. Review the milling bur length and the position of the milling bur holder. ☞ P. 36 "STEP 3: Loading the Milling Bur" 3. Review the CAM settings and decrease the angles of the A axis and the B axis.