MIMAKI Series Troubleshooting

Symptom	Cause	Corrective action
The power does not turn on.	The machine is not connected to the power outlet by the power cable.	Insert the power plug securely into the power outlet. **Connecting the Power Cable**
	The power cable provided is not being used.	Use the power cable provided.
	The power is not turned on.	Turn the power on. **Turning On the Power**
Cutting (printing) is not possible.	Parameters such as the plotter name are incorrectly set in the application.	Check the application settings.
	The interface cable is not correctly connected.	Connect the interface cable correctly. **Connect host computer to machine.**
	The USB driver has not been installed.	Install the USB driver using the FineCut/Coat9 installer.
	Unidentified cause.	Cut a sample stored in the machine to identify the cause. Executing a sample cut will clear any data saved in the receive buffer
An error occurs when data is sent from the computer.	The command is incorrectly set	Adjust the command settings between the application and plotter.
	The plotter model is incorrectly set in the application.	Set the plotter model to [CG-AR] in the application.
Sheet detection is not possible.	A transparent sheet or sheet with black underside is being	Disable the sheet sensor function. **SHEET sensor**

Symptom	Cause	Corrective action
	used.	
Cutting forms a broken line.	The tool holder knob is loose.	Retighten the knob on the tool holder.
	The cutting blade is protruding too far.	Adjust the cutting blade protrusion appropriately.
	Half cut is enabled.	Disable half cut in the tool conditions.
	The cutting blade is chipped or worn.	Replace with a new cutter. **Cutter Replacement**
	The cutting blade does not rotate smoothly.	Replace with a new holder.
The cut length differs from the data length.	The sheet feed length changes depending on the sheet thickness.	Perform distance correction to correct the discrepancy. **Length Correction [DIST.COMP.]**
Offset occurs during cutting.	The pinch rollers and grit rollers are not gripping the sheet firmly.	Check the pinch roller and grit roller positions to ensure that the sheet is gripped securely.
	The clamping force (High/Low mode) has not been correctly selected.	Select the correct clamping force. **Clamp**
	The roll sheet is loosely wound with slack present, causing the sheet to meander or become skewed when fed.	When loading the roll sheet, adjust the roll slack and parallel of the roll edges before feeding the sheet.
	The sheet is folded, detached from the backing sheet, with air bubbles trapped inside.	Take care to ensure that the sheet does not become folded and is not subjected to any load during sheet feeding or cutting when cutting long data.

Symptom	Cause	Corrective action
		Allow sufficient work space in the sheet feed direction when cutting long data. (At least 1.5 m at both front and rear)
	The sheet loading direction (front or rear) does not match the data output direction.	Make sure the directions match.
	The sheet touches the floor.	Reduce the cutting speed (SPEED) to reduce the load when the sheet touches the floor.
	The side margins for the pinch rollers are insufficient.	Allow side margins of at least 20 mm for the pinch rollers.
The cutting position is offset when cutting using register marks.	There is a problem with the register marks.	Perform the operation used to check the responsiveness of the register mark sensor.
	The cutter and register mark sensor offset values may be offset.	Adjust the register mark sensor positions.
The tool is dragged during operation and excessive cutter marks remain on the sheet.	The sheet is warped.	Load the sheet to prevent it from warping.
	A curled sheet is being used.	Do not use curled sheets or sheets with folded ends.
	The sheet has ripples/surface irregularities or is lifting up.	If you are using roll sheet, use a smooth section of the sheet for initial feeding.
	Tool raising/lowering is faulty.	Turn off the power, then check to confirm whether the tool holder can be raised/lowered manually. If the tool holder remains down and cannot be raised, contact your local distributor.

Symptom	Cause	Corrective action
	Excessively thick sheet is being used.	Use sheet within the specified range. Alter the [UP HIGHT] setting. **SET UP**
Uncut sections remain.	The pressure for lowering the cutter is too low.	Increase the [ADJ-PRS OFS] value. Increase the cutter pressure and check.
		Check if [PRESS COMP.] is enabled.

Mimaki

1.5mm/0.06"

20mm/0.79"
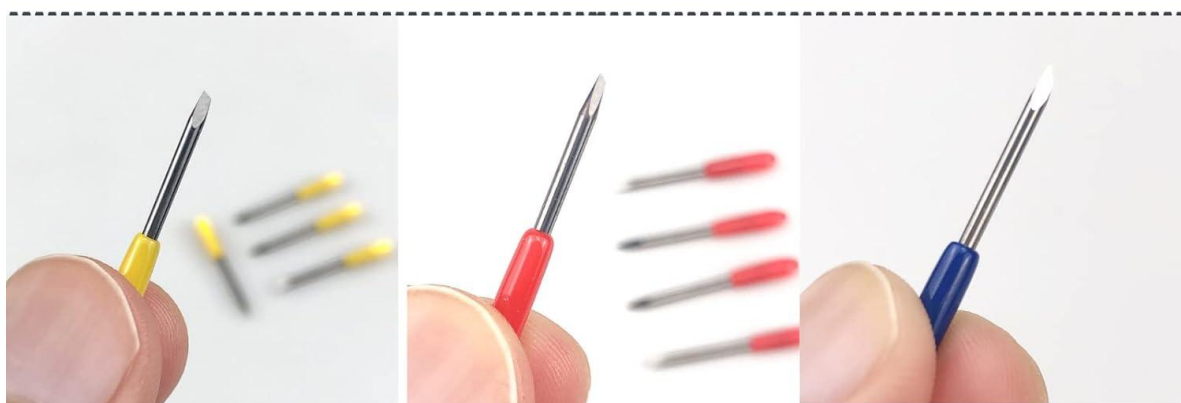
30°
yellow cap

45°
red cap

60°
blue cap

Mimaki Cutter Blades/Knives

Mimaki Swivel Blade/Mimaki Vinyl plotter cutter knife blade SPB-0001

Mimaki Swivel Blade/Mimaki Vinyl plotter cutter knife blade SPB-0003

Mimaki Swivel Blade/Mimaki Vinyl plotter cutter knife blade SPB-0005

Mimaki Swivel Blade/Mimaki Vinyl plotter cutter knife blade SPB-0006

Mimaki Swivel Blade/Mimaki Vinyl plotter cutter knife blade SPB-0007

Mimaki Swivel knife Blade SPB-0008

Mimaki Titanium coated both knife blades SPB-0009

Mimaki Swivel Blade/Mimaki Vinyl plotter cutter knife blade SPB-0030

Mimaki Carbide both knife blades SPB-0031

Mimaki High-speed steel knife blade SPB-0043

Mimaki High-speed steel knife blade SPB-0044

<u>Mimaki Carbide knife Blade SPB-0045</u>

Mimaki Carbide knife Blade SPB-0046

Mimaki Carbide knife Blade SPB-0047

Mimaki High-speed steel knife blade SPB-0048

Mimaki Carbide design knife blade SPB-0051

Mimaki CF2 Cutter Knife Blade SPB-0055

<u>Mimaki 40mm knife blade SPB-0056</u>

Mimaki 60mm knife blade SPB-0062

Mimaki Joint sheet Carbide knife blade SPB-0063

Mimaki CF2-RT Carbide knife blade 2° SPB-0064 for Foam Materials

Mimaki Carbide knife blade 17° SPB-0065

Mimaki Carbide knife blade 7×15 SPB-0075

Mimaki Carbide knife blade 25×5 SPB-0077

Mimaki Carbide knife blade 25×5 DLC SPB-0078

Mimaki Carbide knife blade 25×5 F DLC SPB-0079

Mimaki Carbide knife blade 30°   DLC SPB-0080

Mimaki Carbide Knife blade 45°   DLC SPB-0081

Mimaki Carbide knife blade 17°   DLC SPB-0083

Mimaki SUPER HARD EDGE knife blade 2° ×10 mm SPB-0086

Mimaki End mill for resin SPB-0067

Mimaki End mill for aluminum composite plate SPB-0068

Mimaki End mill for channel 15mm SPB-0069

Mimaki End mill for channel 30mm SPB-0070

Mimaki End mill for channel 50mm SPB-0071

Mimaki End mill for acrylic 5mm SPB-0072

Mimaki End mill for acrylic 3mm SPB-0074

Mimaki JV3 Cutting Knife Blade SPA-0064/M201535

Mimaki Plotter Vinyl Cutter knife Blade Holder SPA-0001

Mimaki Cutter knife Blade Holder SPC-0090

Mimaki CG-FX Tin Coating knife blade - SPB-0050