

Wizard[™] CMC Model Z (9000z) Getting Started Manual FrameShop

FrameShop™



For sales, service and spare parts

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Wizard CMC Model Z (9000z) Getting Started Manual

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Wizard CMC Model Z (9000z) Hardware and Software Getting Started Manual

Check Contents

Review equipment upon arrival for shipping damage. Contact Wizard if any damage is noticed. Verify that the contents shown in the packing slip are received. Please save the packaging.

Equipment Required

The CMC Stand <u>must be assembled first</u> before unpacking the Wizard[™] CMC (Computerized Mat Cutter) 1/4" NPT female fitting on main air line, or quick disconnect attachment Electrical outlet Air source - You will need an air compressor that supplies between 100psi and 120psi. Surge protector Table for the computer/monitor if not using the stand

Where to Find More Information

Knowledge Base

The online help and Knowledge Base contains a wide assortment of searchable documentation and information which can be found at:

- FrameShop Software Online Help: <u>https://wizardcutters.atlassian.net/wiki/spaces/FrameShop4x/</u>overview?homepageId=65929268.
- Z (9000z) Hardware information can be found on the Knowledge Base: <u>https://wizardcutters.atlassian.</u> net/wiki/spaces/KB/overview?homepageId=229492.

Website

Check out the Wizard website at <u>www.wizardcutters.com</u> for additional information.

CMC Parts

Head Labeled



Cartridges

45°	45°+	52°	90°	Deboss Thin	Deboss Medium	Deboss Wide	Pen
O MO	0 @ d		a series			P •	

ECU and Air Regulator





CMC Parts Labeled



Setting up the CMC

Congratulations on acquiring the *Wizard*[™] computerized mat cutter (CMC). The following instructions will walk you through unpacking and setting up the CMC.

Begin by clearing an area for the CMC. Refer to the Stand Instructions for the minimum amount of space needed.

Setting up the Stand or Wall Mount

* CAUTION: The stand MUST be assembled before unpacking the CMC so it can be immediately installed in the operating position.*

Assembling the Stand Assembly

Refer to the stand assembly instructions located in the box. If the instructions or any parts are missing, call Technical Support at (888) 855-3335.

Taking the CMC out of the Box



1. With the help of a second person, place the box on a flat surface, cut the strapping tape and lift the cover of the box away. Take care to save the packaging.

- 2. Working together, carefully lift the CMC straight up out of the box.
- 3. Gently set the CMC upright resting on the foam corners.

4. Position the CMC on the stand, making sure that none of the air

lines are crimped, and that the grounding strap on the right rear side of the board is not crimped between the board and stand arm.



5. Remove the foam corners and move the box out of the way.

6. Follow the instructions that came with the stand to secure the CMC into

7. Place the foam corners back into the box. Save packaging, foam corners and shipping blocks (removal instructions below) for future use. See Contract Section 1 "Shipping Charges."

Removing the Shipping Blocks

1. Locate the four shipping blocks holding the gantry in place. There are two on either side of the gantry on top of the upper rail.



place and attach the grounding strap.









1. Move the gantry all the way to the left. Move the gantry slowly toward the right until a red mark is visible on the drive belt of the upper gantry. Confirm that the red mark lines up with the red mark on the toothed pulley.

Check Squareness **Check the Drive Belt Lines**

Support.







3. Remove the two screws holding the gantry cover in place, and set the cover and screws aside.

2. There are two shipping blocks on either side of the gantry on the bottom rail. One is to the left side of the gantry on the underside of the bottom rail. The other is to the right of the gantry on the top of the bottom rail.





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Head Installation

Install the Head onto the Gantry



1. Remove the two 5/32" screws from the head and set aside.

2. Move the gantry to the right edge of the CMC.

3. Point the head so that the foot block faces toward the CMC and the wheels are close to the bottom of the gantry.





4. Line up the wheels on the head to the center channels of the gantry arm and ease the head onto the gantry.

5. Roll the head up the gantry until it lines up to the head grabber arm on the right side of the gantry.





6. Holding the head in position so that the head lines up neatly to the head grabber arm, replace the two 5/32" screws, making sure they go into the head grabber arm and into the head and tighten firmly.

7. Connect the air to the head by twisting the two air fittings together, **matching** the



8. Connect the head power plug (square connection) to the head grabber arm.

colors.



Hooking up the Gantry and Air Lines

Connecting the Board Cable



Carefully align the pins of the board cable before applying pressure to plug it in. The connector is keyed to avoid incorrect pin alignment. Forcing the connector will result in damage.

1. The board cable connects the gantry on the CMC to the ECU. Connect the male end of the board cable to the back of the ECU by aligning the pins and turning the locking ring until it seats itself and locks into place.





2. Connect the female end of the board cable to the back of the gantry in the same manner.

3. Move the gantry to the far right of the CMC and back to the left to make sure the board cable does not get caught on anything. If the board cable is obstructed, this will affect the cuts.

Attaching the Air Lines

1. Follow the air line with the blue connector from the top of the gantry. Make sure that it is connected to the blue connector on the control panel box on the back of the board, and that none of the air lines are crimped.



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2. Follow the air line with the red connector from the top of the gantry. Connect it to the right side of the air regulator by inserting the red connector on the end and twisting it into place.

3. If it's not already connected, insert the air regulator line (short air line with reducer) onto the left connector of the air regulator.

4. Plug the reducer located on the short air line from the left side of the air regulator into the main air supply via 1/4" NPT female connector or quick

disconnect, whichever type was purchased (shown is the 1/4" NPT female adapter). Teflon tape can be used on the thread to reduce possible air leakage.

5. The air compressor should supply at least 100psi.

6. Strap the air regulator with the glass bowl down to the left large wall bracket or side of stand, making sure not to crimp any air lines. The hardware to connect the air

regulator to the stand is included in the stand hardware kit.

7. Turn on the air.

* CAUTION: The air regulator is factory-set. Do not make adjustments to it.*



8. Replace the gantry cover and attach using the two screws that were removed earlier.

Hook up the Computer

Hook up Computer and Peripherals



1. Place the computer on the computer stand.

2. Locate the Ferrite tube, which looks like a black donut. Open the Ferrite tube, wind the ECU power supply output cable around the rite three times, then close it shut

inside of the Ferrite three times, then close it shut.







3. Place the ECU and its power supply into the ECU bracket on the back of the board.





4. Locate one of the zip ties. Slip it through the plastic mount on the side of the ECU bracket and attach it to the Ferrite on the output cable of the power supply then secure it in place.





5. Hook up the keyboard and mouse by plugging their USB cables into the computer. Some of the USB connections are in the back, and some are available along the side.

6. Plug in the computer power cord into the matching port on the computer, then plug the power cord from the computer into a surge protector.



Connect the ECU



* WARNING: High voltage. No user serviceable parts inside the ECU.*

1. Connect ECU USB cable to the matching port on the front of the ECU.

2. Plug the other end of the USB cable into the USB port on the computer. If your system came with a USB hub, plug it in between the ECU and the computer.



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3. Connect the power output cable to the back of the ECU.

4. Connect the ECU power supply to the surge protector.



- 5. Connect the DB9 cable to the ECU.
- 6. Connect the other end of the DB9 cable to the control panel box on the back of the board.
- 7. Locate the zip tie and slip it through the plastic mount attached to the back of the board.
- 8. Take the excess DB9 cable and loop it around a couple of times then use the zip tie to attach it to the plastic mount on the back of the board.



9. The board cable was plugged into the back of the ECU when we hooked up the gantry previously. See "Connecting the Board Cable" page 11 for more information.
10. The ECU is now connected.







Control Panel

The control panel is located on the left side of the board, and contains the most commonly used buttons.





Red Abort Button

Hit the red Stop Button to immediately abort the current cut; the cut will be stopped and the motors will be disengaged. Pull out the Stop Button to return to cutting. You will be asked to Align the Head before cutting again. See "Align the Head" page 21 for instructions on how to Align the Head.

Mat Clamp Pressure Knob

The Mat Clamp Pressure Knob switches between standard and low clamp pressure. Push the knob in to use standard pressure or pull it out to use lower pressure for fragile material.





Clamp Pressure Adjustment

The Clamp Pressure Adjustment is used to adjust the low clamp pressure setting. The gauge displays the clamp pressure as it is cutting. To adjust the clamp pressure, pause the current cut, then pull out and then turn the black knob underneath the control panel. Turn the knob clockwise to increase the pressure adjustment or counter-clockwise to decrease it.

Green Cut Button

Push the green Cut button to cut the current design on the Cut Preview Screen. If required, you will be ask to Align the Head. See "Align the Head" page 21 for instructions on how to Align the Head. During cutting, you can also push the green Cut button to pause the cut.

Turn the System On

Power up the ECU

Press the | on the rocker switch on the back of the ECU to turn on the ECU.

The ECU must be on for the CMC to cut. Press | on the rocker switch to turn it on.



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Boot the Computer

1. Turn on the computer. Allow a minute or so for it to power up.



2. Double-click on the FrameShop icon to start the software.

Design the First Mat

Edit New Mat



1. Click *Design* on the main screen to create a new design.

2. Stay on the Single tab. There are three tabs to select from: *Single*, *Multi*, and *Array*.



Wew Openings	X
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Outside Size: Width: 0 Height: 0 Sizes -	Reset Cut
ок	Cancel

Opening Size

1. Enter 5x7 (approx. 13x18 cm) for width and height of the opening.

NOTE: The Outside size field will display on the top if *Edit Opening Size First* is unchecked in the *Admin > Defaults*.

Optionally, enter the outside dimensions first.



Borders

1. Enter 2 (approx. 5 cm) for the *bottom*, *top* and *side* mat border widths.

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ning Size:	emplate Design:	
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Select Template

1. Click on the template thumbnail under template design.



Outside Size

1. Make sure outside size is 9x11 (approx. 23x28 cm). Don't Click **OK** yet.

If the opening size and borders are entered first, the program automatically calculates the outside size when tabbing out of the borders field.





2. The Template Library opens.

Note: There are several pages of templates. Click on one of the numbered tabs to see a new page.

- 3. Click on new template thumbnail to select it.
- 4. The new template is displayed.

Single	Multi	Array			
Opening Size: —	Temp	ate Design:	-		
Width: 5 Height: 7 Sizes • S	- + - + wap 📀	103			
Borders: 2 Top: 2 Side <u>s:</u> 2 Bottom: 2	-Layers: - #: Layer 2	s: 2 - + Top	RB?		
Outside Size:	1 1/4	· + Z			
Height: I	- + wap 📀			Reset Cut	

Cartridge Selection

1. Click on the cartridge icon and select the desired cartridge for this layer. For this project, leave it at the default cartridge, which is the 45° cartridge.

NOTE: Cartridges not currently available will be greyed out.

Layers

1. Select the number of layers desired for this project. Leave it at the default of 2 layers.



Go to Cut Preview to Cut the First Mat



1. Click *Cut* on the New Openings Screen to take design to the *Cut Preview*.



Blade Depth Settings



1. Select the desired **Layer** on the Cut Preview Screen.

2. Click on the **Blade Depth** button.







3. On the Blade Depth screen, select the new blade depth number under **Opening**.

For this first mat, leave it at the default setting.

4. Click **OK**.

5. If we had changed the Blade

Depth, the new blade depth number would listed next to the current Layer. *NOTE: Returning to Editor then back to Cut Preview reloads the default blade depth.*





Not Cutting the Outside

1. Click the **Outside Cut** toggle to **Off** to not cut the outside of the mat. You will be placing a piece of pre-cut matboard into the machine.

Install a Blade



The 45° cartridge is labeled 45° on the end and is black.

1. Push blade cartridge release down to eject the current blade cartridge.



2. The blade cartridge displays a diagram of the blade orientation (shown in contrast). Place new blade into cartridge with the longest straight side to the right and the bevel face down, lining up the holes of the blade over the pins in the cartridge. The blade should fit snugly into the recess space provided for it.

3. Turn cartridge over and reinsert into the head with the blade facing the CMC board and the notch on the back of the cartridge facing the head, until it clicks into place. It can only be inserted one way.

WARNING: Do not run the CMC without the blade cartridge in place or damage to the blade cartridge release lever could occur.



Put Matboard onto CMC



Make sure there are two layers of disposable slipsheets of adequate size underneath the matboard to be cut.

1. The cut preview displays whether the current layer is to be cut from the front or from the back of the matboard. This determines how to place the matboard into the CMC.

2. When cutting from the back,

place the matboard face down onto the CMC (facing away from the operator). Make sure the matboard nestles tightly under the horizontal and vertical



clamps of the CMC. Since we're not cutting the outside, place a pre-cut matboard of adequate size.



3. If there are any red indicators showing that any of the clamps are in the way of cutting, the clamp will need to be rotated. See "Adjusting Clamps for Zero Waste" on page 24.

Push Cut



1. Push the green **Cut** button on the control panel on the left side of the board to cut the design. Optionally, you can click the **Cut** button on the Cut

Preview Screen.

2. If the motors are disengaged, the software will prompt to **Align the Head**. When the motors are disengaged, the gantry can be moved easily back and forth and the head moves easily up and down on the gantry. **See "Align the Head"** page 21 for instructions on how to Align the Head.

3. If the head is aligned but a different cartridge or blade depth is needed, the user will be prompted to change the

blade cartridge and confirm the blade depth. See "Insert Blade Cartridge and Adjust Blade Depth" page 22 for more information.







Align the Head When Motors are Disengaged

Align the Head



1. Rotate the foot block into the 12 O'clock position, with the blade cartridge on top of the head.

2. Holding it about an inch above the bottom rail, slide the gantry and the head assembly to the left edge of the CMC until it stops.



3. It will stop against the Magnetic Stop.

4. Then slide the head down until the foot block rests against the head alignment stop.



5. Click **Continue** on the Align the Head screen.





20-34304-1A GettingStartedManual9000zFrameShop 04/26/21 6. Head will align to the home position.

7. If you had clicked the **Align the Head** button, the CMC is now aligned and ready to cut.

8. If you had clicked the Cut button, the CMC will now cut-.

Adjusting the Air Pressure for Denser Matboard

0

See "Adjusting Clamps for Zero Waste" on page 21 for more information.

Insert Blade Cartridge and Adjust Blade Depth

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0

1. After **Aligning the Head**, the user is prompted for the Blade Cartridge and to confirm the blade depth.

2. If you are using the same blade cartridge as the last mat cut, you will not need to change the

cartridge. If it is different, change the current cartridge for the requested cartridge.

3. The screen will also prompt you with the Blade Depth that it

will cut. The 45° blade cartridge and blade have already been inserted. If necessary, change the blade depth by turning the blade depth dial to the requested depth and click *OK* on the prompt.

Cancel

4. The CMC will begin to cut.

 \bigcirc

45° Cartridge

ert black 45° too

10 45 Face Up

After the CMC Has Cut the Mat

1. After the cut has finished, the head will return to the home position, and the foot block will rotate to the aligned position for access to the blade cartridge. Unless the screen prompts to align the head, do **NOT** turn the foot block.

2. Remove the matboard from the CMC. The first mat has been cut.

If The Cut Doesn't Look Right See "Troubleshooting" page 30.





Design a Different Mat

Select a Different Template



1. Click the "X" on the Cut Preview screen to close this screen and return to the New Openings Screen.

The current design can be easily altered for the next project by changing the size and other parameters.

This next project is an oval instead of an octagon.

2. Click on the template thumbnail under template design.





3. Template Library opens.

1. Click on the Outside Cut Options dropdown control and select

Shared Edge. If cutting one design, it will cut only the top and right

lines of the outside cut. If cutting a tiled mat, this will cut the shared outside lines as one cut, rather than cutting each design's outside cut

2. If you have Remnant Trimming on, located under Set Advanced

- 4. Click on new template thumbnail to select it.
- 5. The new template is displayed.

Go to Cut Preview

Cutting the Outside

individually.



1. Click **Cut** to go to the Cut Preview screen.



Options, it will also cut off the scrap edge.

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Put Matboard on the CMC

1. Make sure there are two layers of disposable slipsheets of adequate size underneath the matboard to be cut. This

design is cut from the back.

2. Place the matboard face down onto the CMC (facing away from the operator). Make sure the matboard nestles tightly under the horizontal and vertical clamps of the CMC.

Click Cut





1. Click the green cut button to cut the mat.

2. Because the motors are still engaged, the CMC will automatically begin to cut.

Note that because we made no changes to the blade depth nor the cartridge, the CMC did not prompt for a change before cutting.

3. After it has finished cutting, remove the matboard from the CMC. The second mat has been cut.



4. Click the "X" button to return to the New Openings screen or click the "X" button three times to return to the Main Screen.

Adjusting Clamps for Zero Waste



1. The adjustable clamp system allows the user to cut right up to the edge of the mat, thus not wasting any material. This is especially useful when tiling.

2. The Cut Preview Screen will indicate if any of the clamps are in the way of the foot block.

3. When you click Cut, the Interference Screen will also indicate the clamp

numbers that need to be rotated out of the way.

4. Push the clamp toward the board to release it.

5. Rotate the clamps highlighted in red so that they are facing away from the center of the board. When the clamps are engaged, they will be retracted flush with the board.









6. After clicking Continue, the system will do another interference check. If a finger clamp is still in the way, the screen will display which clamp number. Rotate the finger clamp out of the way and click Continue.

7. For the next cutting job, the clamps should be rotated back toward the center of the board.

Mat Clamp Pressure

Setting the Mat Clamp Pressure

You can toggle the air pressure to the mat clamps between standard and low pressure with the Mat Clamp Pressure Knob located on the control panel on the left side of the board. This will allow you to cut delicate material such as foam core without crushing the material in the clamps. The amount of pressure can be adjusted with the regulator knob mounted under the control panel.





Standard Clamp Pressure

Push the Clamp Pressure Knob in to use the standard clamp air pressure, which is suitable for most material.

Low Clamp Pressure

Pull the Clamp Pressure Knob out to use low clamp pressure, which is suitable for more delicate material, such as foam core. Lower pressure is applied to the mat clamps so that it does not crush the material. When you have finished cutting the delicate material you can push the knob in to reapply the standard air pressure to the clamps.



Adjusting the Clamp Pressure

Clamp Pressure Adjustment

To adjust the clamp pressure, see "Clamp Pressure Adjustment" page 15".

Variable Pressure Optimization (VPO) Feature

Adjusting the Head Air Pressure for Regular or Dense Matboard

The head air regulator is located on the left side of the head and controls the pressure of the foot block against the matboard as it is cutting.

- The minimum air pressure should be 35 psi, otherwise the blade may not cut through the matboard.
- The maximum air pressure should be less than or equal to 60 psi to avoid crushing the matboard.

The software will prompt for a head pressure change **only** if the current mat is a different setting than the previously cut mat. If the settings are the same as the previously cut mat, the CMC will skip the following instructions and proceed to **"Insert Blade Cartridge and Adjust (Cut Speeds)**

Blade Depth" page 22.



1. Select the desired layer on the Cut Preview.

2. Click the Cut Speeds button to open the Cut Speeds Screen.

- 3. Check/Uncheck the appropriate setting:
 - Uncheck Dense for regular matboard
 - Check Dense for dense matboard
- 4. Change the Blade Depth to the appropriate setting for this matboard.



5. Click OK. The Cut Preview displays the selection of matboard.

• Regular matboard displays no indicator.

• Dense matboard displays the dense layer with an asterisk and indicates that this layer is dense.

6. Click Cut to cut the mat and Align the Head if requested.

7. The Head plunges at the home position and applies the current pressure. It then displays a prompt to adjust the head pressure to either the high or low setting.





8. Pull out the air regulator pressure knob by pulling it to the left.

same as the previously cut mat, the CMC will ski e Cartridge and Adjust on the Cut Preview.

Dense material Extra dense material - + 520 100 Dense material - + - + 🗖 Extra dense material Dob 100 • • 丶 Pen: 100 Vinyl 100 - + 🔪 - + 🍾 100 Crease: Cancel

OK

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11. Click OK to cut the mat with this setting. Cutting an Extra Dense Layer with the 90° Cartridge

This setting is only for the 90° Cartridge and will not take affect if another cartridge is selected. This setting will allow the 90° Cartridge to cut at a slower pace.

is at the low setting. Make sure the gauge does not go

1. Select the desired layer on the Cut Preview.



Cutting

2. Click the Cut Speeds button to open the Cut Speeds Screen.

3. Click the checkbox for Extra Dense Material.

4. Adjust the slidebar to the desired percentage of cutting speed. For instance, 50% is 50% of the standard cutting speed for the 90° Cartridge.

7. Click Cut to cut the mat and Align the Head if requested.

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Location Recent	New Openings			9411	Options:	
bi 1 · ·	Layer:	Depth: 23 · ·	Flace The Top Mat Face Down	Cut		
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eets: 2 · · ·					Outside Cat: On Shared Edge - Set Advanced Options	sigr
					Additional Options:	6. If
	C					butt
2 Pores	sku)				Display Options: Clear Cut History	to a
		1.				app thor
	#Ext	ra dense material			0	thor

Adjust head pressure to high setting

Click OK. The Cut Preview displays the extra dense layer with a pound n and indicates that this layer is extra dense.

f needed, click on the Blade Depth ton to open the Blade Depth screen adjust the Blade Depth to the propriate setting for this matboard then click OK.











8. A prompt to adjust the head pressure

9. Pull out the air regulator pressure

to the high setting displays.

knob by pulling it to the left.





knob clockwise until the marker on the gauge is at the high setting. Make sure the gauge does not go above

60 psi.

10. Set it by pushing the air regulator pressure knob back in.

below 35 psi.

9. Adjust the air regulator.



10. Turn the air regulator pressure knob clockwise until the marker on the gauge is at the high setting. Make sure the gauge does not go above 60 psi.

11. Set it by pushing the air regulator pressure knob back in.

12. Click OK to cut the mat with this setting.



90° Cartridge

See the Knowledge Base topic on 90° Cartridge and Blades at <u>https://wizardcutters.atlassian.net/wiki/</u> <u>spaces/FrameShop4x/pages/247267451/90+Degree+Blade+Cartridge</u> to find additional information on the 90° cartridge and changing the blades.

Changing the Blade

Using the 45° Cartridge Changing the Blade



The 45° metal cartridge is labeled 45 on the end and is black.

1. Push the blade cartridge release down to eject the blade cartridge.

2. Remove the blade from blade cartridge.





3. The blade cartridge displays a diagram of the blade orientation (shown in contrast). Place new blade into cartridge with the longest straight side to the right and the bevel face down lining up the holes of the blade over the pins in the cartridge. The blade should fit snugly into the recess space provided for it.

4. Turn the cartridge over and reinsert into the head with the blade facing the CMC board and the notch on the back of the cartridge facing the head, until it clicks into place. It can only be inserted one



way.

Using the Pen Cartridge

Changing the Pen in the Pen Cartridge



The pen cartridge is unlabeled and is black with a metal pen holder column attached to the base. The pen icon within the software is a small stylus symbol.



1. Push blade cartridge release down to eject the pen cartridge.



2. Turn the pen locking screw counter-clockwise to loosen it and slide the pen locking bolt away from the cartridge base.

3. Remove the existing pen by extracting it from the pen holder.

4. Replace with a new pen by placing the tip in first and inserting the pen into the pen holder.

5. Slide the pen locking bolt back into place and tighten the pen locking screw clockwise snug (do not overtighten screw) to lock it into place.

6. Place the pen cartridge into the head. The pen holder should be to the right, with the pen tip facing toward the CMC.

7. Continue to the *Install Pen* utility on the pen

configurations tab. You may need to run this utility again if you change pen types.

8. If the pen is not going to be used for a while, please remove it from the pen holder and replace the pen cap to keep it from drying out.

Blades and Cartridges

See the FrameShop Getting Started Cartridge Manual at <u>https://wizardcutters.atlassian.net/wiki/spaces/</u> FrameShop4x/pages/251363329/Wizard+Getting+Started+Cartridge+Manual+CMC+Z1+Z+9000+9000+a nd+8000 to find additional information on the other cartridges and on changing the blades.

Aborting a Cut



1. Hit the red Stop button on the control panel on the left side of the board to abort the cut. Alternatively, hit any key on the keyboard. Hitting the spacebar pauses the cut and gives the option to abort.

2. A prompt to click OK to release the motors will display.

Cutting	×
Click OK to release motors. Warning! The head will drop.	
wanning: me nead win drop.	
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3. The motors will immediately release. Grasp the head and click OK, then manually lower the head back to the home position. Pull out the red Stop button and Realign the Head for the next cut. See "Align the Head" page 21 for instructions on how to Align the Head.

Troubleshooting

Cuts Look Wavy

Check for squareness. See "Check Squareness" page 9.

Make sure the board cable is unobstructed. See "Connecting the Board Cable" page 11.

Check the head wheels. See Head Wheel Adjustment at <u>https://wizardcutters.atlassian.net/wiki/spaces/</u> KB/pages/291012612/Head+Head+Wheel+Adjustment+CMC+Z+9000z+9000+and+8000.

Check the blade depth - See "Blade Depth Settings" page 18 and Blade Depth Adjustment at <u>https://</u> wizardcutters.atlassian.net/wiki/spaces/FrameShop4x/pages/94702289/Blade+Depth+Button+FrameSh op+Cut+Preview+Screen.

Blade Keeps Breaking

Check how the blade is installed. See "Install a Blade" page 19 and "Adjusting the Head Air Pressure for Regular or Dense Matboard" page 26.

Check to make sure the head is properly aligned. See "Align the Head" page 21.

Check the Blade Depth. See "Blade Depth Settings" page 18 and Changing the Blade Depth in FrameShop at <u>https://wizardcutters.atlassian.net/wiki/spaces/FrameShop4x/pages/95129076/Changing</u>+the+Blade+Depth+FrameShop+Cut+Preview+Screen.

Frequently Asked Questions

Q: When I click cut, it makes a lot of noise and breaks the blade even though I've followed the troubleshooting suggestions. What do I do?

If the motors have been idle (i.e., you can move the head because there is no power to the motors), or if a cut has been aborted, the head will have to be aligned before cutting. Otherwise, the head is rotated into the incorrect position and will break the blade. See *"Align the Head" page 21* in this document for more information.

Q: I click cut and the matboard moves around and does not cut correctly. How do I fix this?

Make sure that the air compressor is turned on, and that the air lines are not pinched. The CMC requires air pressure to engage the clamps and cutting head.

Q: My opening is cut in the wrong place, what should I check?

Make sure you are placing the matboard correctly into the CMC. See "Go to Cut Preview to Cut the First Mat" page 18 in this document for further instructions. If the CMC is not cutting the outside of the mat, re-measure the mat again and make sure that it was trimmed down to the correct size. If the CMC is cutting the outside of the mat, see the FrameShop online help Configurations section at https://wizardcutters.atlassian.net/wiki/spaces/FrameShop4x/pages/95129177/Configurations+FrameShop to determine if the opening adjustment needs to be adjusted.

Q: What process does the computer use to download corners?

Click check for corners on the license screen. FrameShop will use the internet connection to download corners. If not connected to the internet, FrameShop can connect to Wizard via a modem.

Q: My FrameShop keeps opening in demo mode and will not cut. What should I check?

Make sure that the ECU is properly hooked up, plugged in and turned on. See "Connect the ECU" page 13 in this document for more information.



Q: How do I order Blades?

You can access our Web Store at <u>http://webstore.wizardint.com/default.aspx</u> or by calling order processing at 888/855-3335.

Q: Do I need to save the packaging the CMC came in?

YES – for warranty purposes, if you ever need to return a part, these boxes will be needed. Rental customers are required to keep all packaging to return the machine at the end of the rental period.

Q: Why is air leaking from the air regulator when I turn on the air compressor? Is this an issue?

This is normal. One of the purposes of the air regulator is to collect moisture that may be trapped within the air line. The air regulator is self releasing when the air compressor is turned off. When the air regulator has built up enough pressure after turning on the air compressor, the air leaking will stop. If the air compressor is not building enough pressure, the user may install a shut off valve to allow the compressor to build up enough air pressure.

Q: Where can I get more information on specific questions?

FrameShop Software Online Help at <u>https://wizardcutters.atlassian.net/wiki/spaces/FrameShop4x/</u> overview?homepageId=65929268.

Z (9000z) Hardware can be found on the Knowledge Base at <u>https://wizardcutters.atlassian.net/wiki/</u> spaces/KB/overview?homepageId=229492.

Check out the Wizard website at <u>www.wizardcutters.com</u> for additional information.

You can also call Technical Support at 888/855-3335 or send an e-mail to <u>SupportAdmin@</u> wizardcutters.com.

Hardware Maintenance

Paper dust is very abrasive. The CMC is a precision piece of equipment that requires periodic tuning for accurate mat cutting. Damage caused by improper maintenance is not covered by warranty and will necessitate return of the CMC to the factory for rebuilding or repair. Follow this maintenance schedule to ensure a smooth-running machine.

Maintenance Schedule

Do not spray *anything* directly on the CMC; spray onto a cloth and then wipe.

Daily:

1. With compressed air or soft brush, clean lower rail, horizontal/vertical clamps and head of any matboard debris.

- 2. Check backing mat for excessive wear, and change if necessary.
- 3. Check blade depth and blade installation.
- 4. Properly shut down computer and ECU at night.

Weekly:

1. Clean CMC rails with a soft cloth and general purpose cleaner, especially the lower rail where wheels have the most contact with the machine.

2. Offload the Air Regulator. See "Offload Air Regulator" page 32 for instructions.

Monthly:

1. Clean and drain the air compressor to ensure that the air line is free of moisture and oil. Moisture is very detrimental to hardware and can cause a variety of problems. Check your air compressor documentation for instructions.

2. Wipe down foot block on head with a soft cloth and mild cleaner.

3. Remove and clean blade cartridges with adhesive release.

4. Check the blade cartridges for wear and tear. There should not be excessive side-to-side movement of the blade within the cartridge.

5. Make sure that the CMC is still secure in the brackets/stand to avoid any tip-over hazard.

6. Readjust the head wheels after 250-500 mats. See Head Wheel Adjustment at <u>https://wizardcutters.</u> <u>atlassian.net/wiki/spaces/KB/pages/291012612/Head+Head+Wheel+Adjustment+CMC+Z+9000z+9000+</u> and+8000.

Offload Air Regulator

One of the purposes of the air regulator is to collect moisture that may be trapped within the air line. The air regulator is self releasing when the air compressor is turned off.

Check the air regulator at least once a week for any buildup of moisture or oil. If there is any oil visible in the air regulator, the air compressor needs to be cleaned and drained to remove the oil in the air line. Refer to the compressor's documentation for instructions.

The dial on the air regular should read 60psi when the air source is on and at full pressure. If it does not read 60psi on the gauge, call technical support.



Disclaimers

Caution: The CMC is designed to be used as directed. Any use other than that described within the documentation is not supported and potentially harmful to the operator.

Caution: The CMC should not be operated when operator is fatigued, under the influence of alcohol or narcotics, or other medication where operating heavy machinery warnings are provided.

Caution: Due to the size and weight of the CMC, two people must perform identified installation operations. Noted operations performed by a single person may result in injury.

Caution: The CMC contains moving parts that may cause injury if not operated in accordance with the instructions. Only trained operators should operate machinery. Operators should not touch the CMC while it is cutting a mat.

Warning: Blades used within the CMC are sharp and will cause injury if not disposed of properly. Blades must be disposed of in an appropriate sharps disposal container.

Warning: Hazardous voltages exist within the ECU. No user serviceable parts are located inside the ECU. Opening of the ECU is prohibited.

Warning: Do not turn on ECU if board cable is disconnected on either end. Risk of electrical shock is present through the ECU plug or non-terminated board cable.

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