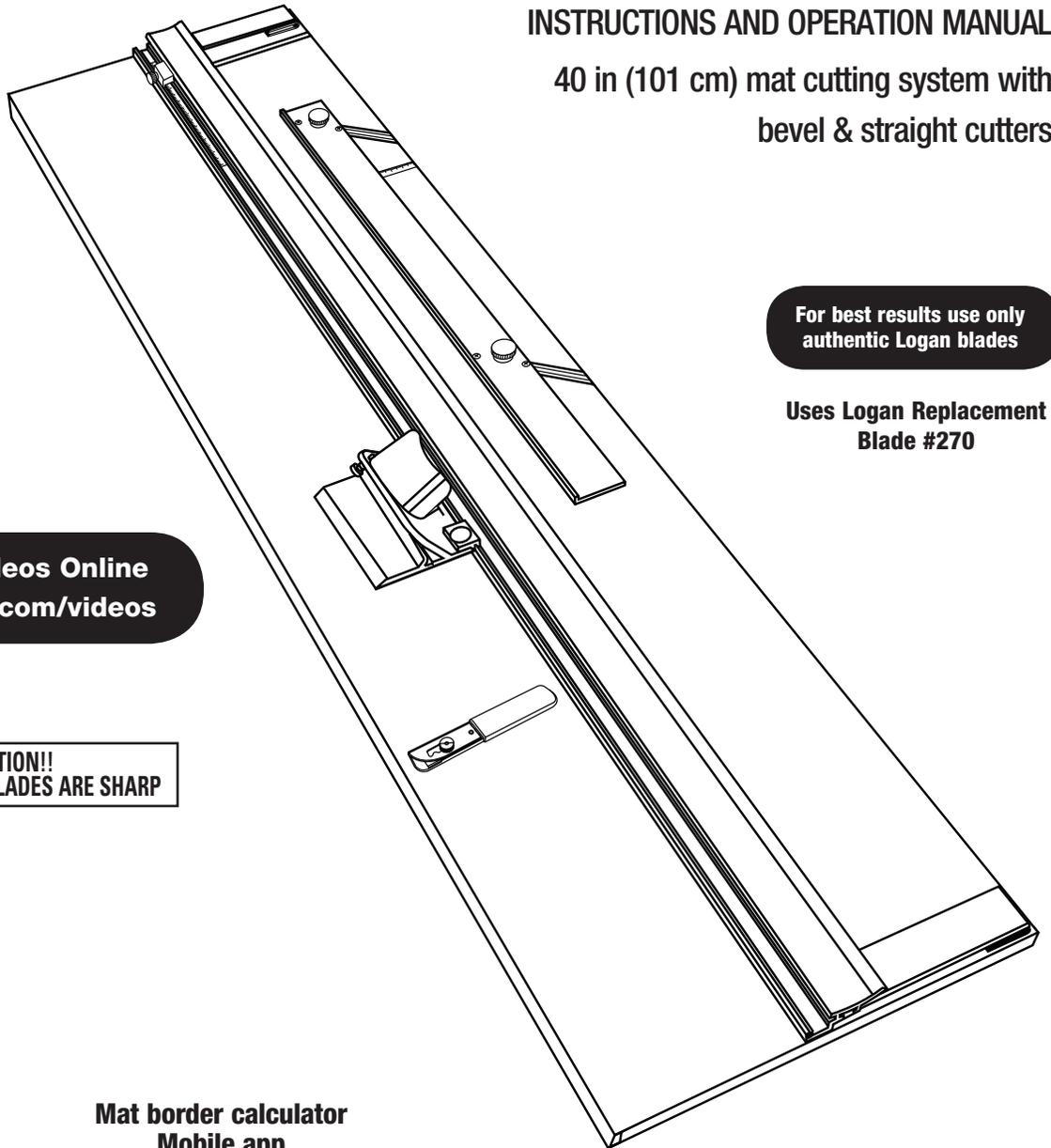


# **ARTIST CLASSIC MAT CUTTER**

**INSTRUCTIONS AND OPERATION MANUAL**  
40 in (101 cm) mat cutting system with  
bevel & straight cutters



**For best results use only  
authentic Logan blades**

**Uses Logan Replacement  
Blade #270**

**View How-To Videos Online  
at [LoganGraphic.com/videos](http://LoganGraphic.com/videos)**



**CAUTION!!  
MAT CUTTING BLADES ARE SHARP**



**LoganGraphic.com**

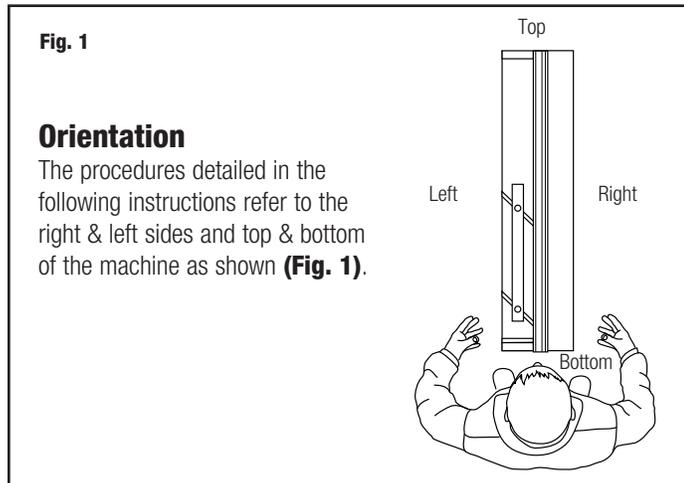
**Mat border calculator  
Mobile app**



Purchase Date

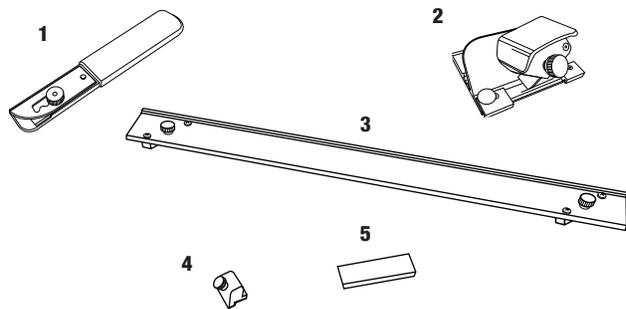
ID Number (on bottom of board)

Date (on bottom of board)



**Carton Contents**

- 1. Mat Knife
- 2. Bevel Cutter
- 3. Mat Guide
- 4. Rail Stop
- 5. Blade Pack



**Congratulations on your purchase of the Logan Artist Classic Mat Cutter.**

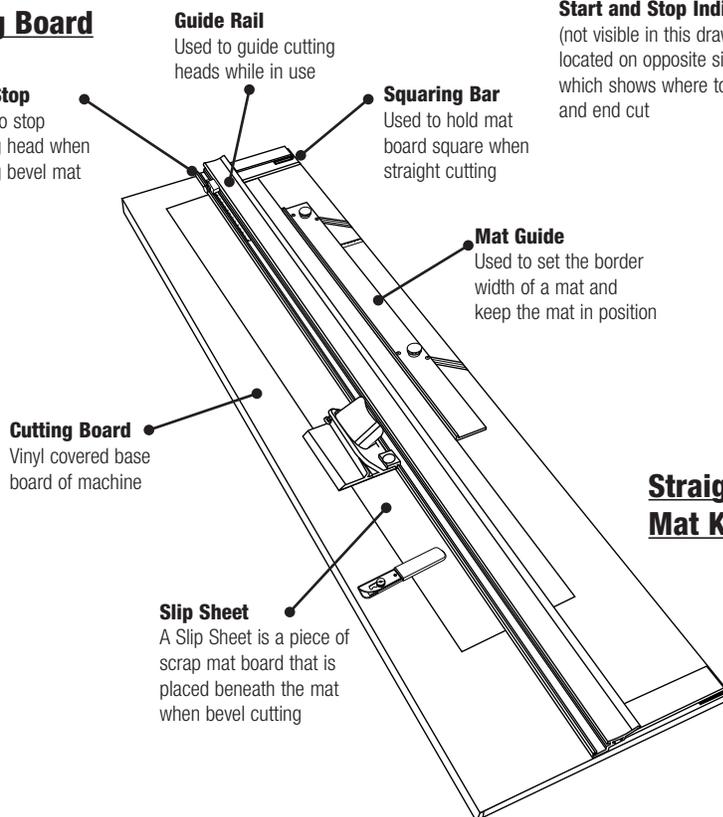
The Artist Classic is a well-designed mat cutter, combining the best of what Logan mat cutters have to offer. Features like heavy duty pull style bevel cutter with anti-crawl pin, stop, squaring bar, parallel mat guide, plus the flexibility to add additional accessories like the glass cutter Model 704-1 & 701-1 Straight Cutter, make the Artist Classic a cost effective and useful tool for artists, crafters, photographers and framers. This instruction manual is written to familiarize you with the product. Please take some time to review the instructions before cutting. You will find that the time taken will be well worth it, and you will be cutting professional mats in no time.

**PRODUCT DESCRIPTION**

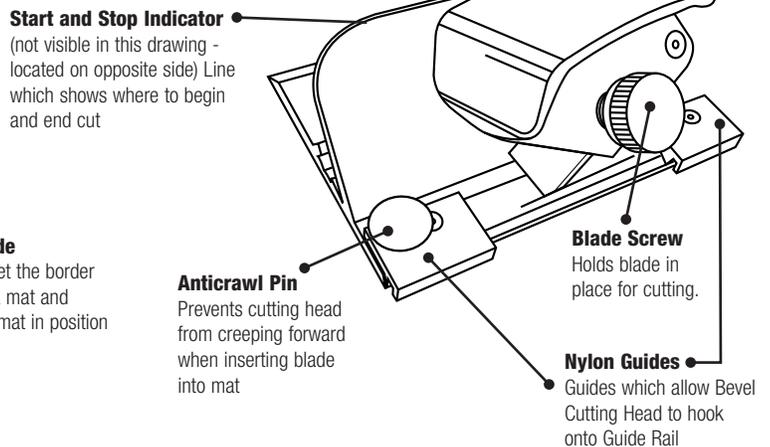
401-1 Artist Classic- 40 in vinyl covered cutting board with mat guide, rail stop, squaring bar, straight and bevel cutters, slip sheet, and one 5-pack of Logan #270 blades.

**Identification of Machine Components**

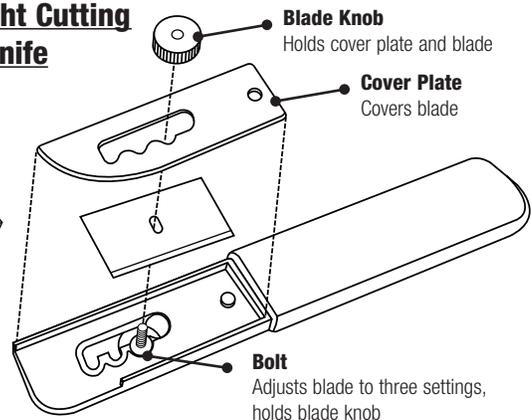
**Cutting Board**



**Bevel Cutting Head**



**Straight Cutting Mat Knife**





**CAUTION!!  
MAT CUTTING BLADES ARE SHARP**

**Blade Installation - Model 702-1 Bevel Cutter**

1. Loosen blade retaining screw enough to allow blade holder to tilt back (Fig. 2). Loosen the blade holding knob.
2. Remove one blade from the package of five.

**NOTE:** Because the blades are packed with a small amount of oil, they may stick together. Be certain that only one blade is being inserted into the blade slot.

3. Slide blade, sharp edge down, fully into blade holder (Fig. 3).

**NOTE:** The hole in the blade is not designed to line up with the blade screw.

4. Tighten blade screw.
5. Tilt blade holder down, allowing tip of blade to enter into the blade slot
6. Retighten retaining screw (Fig. 4).

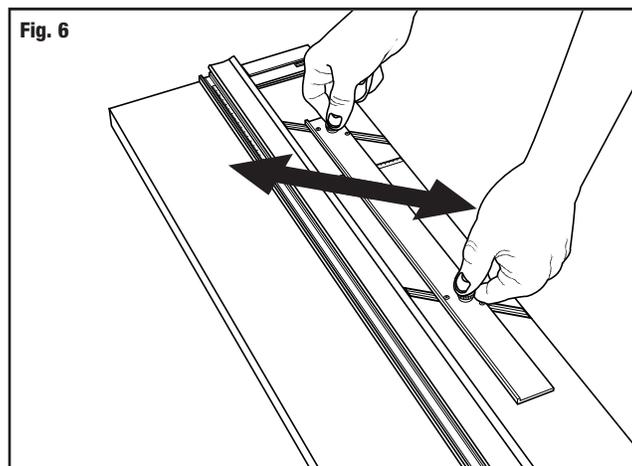
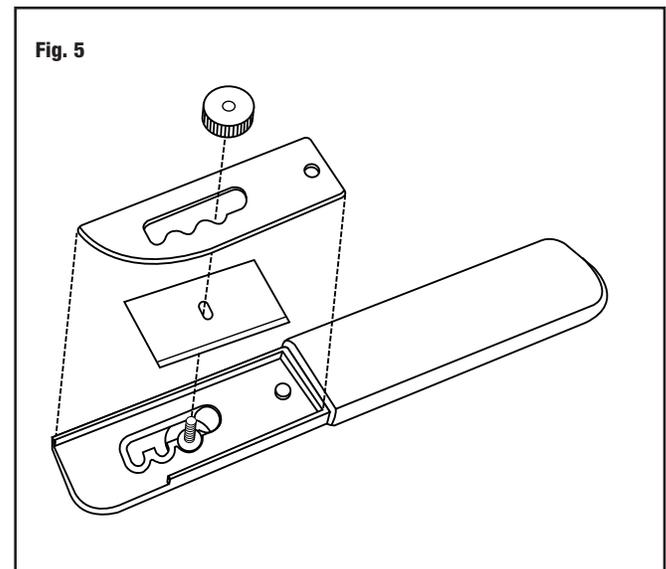
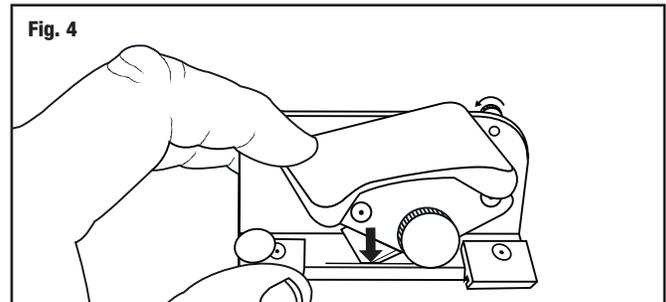
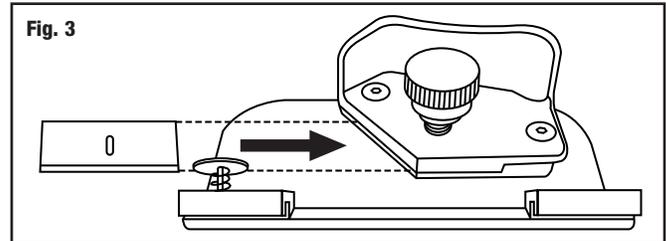
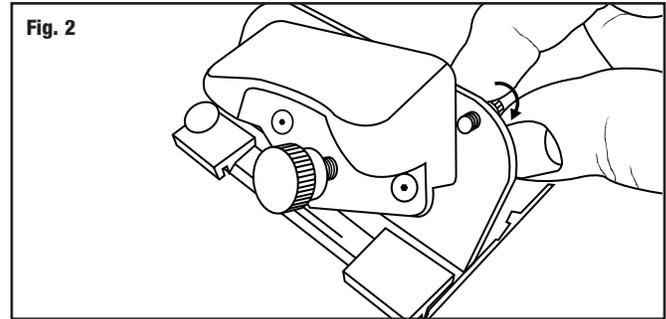
**Blade Installation - Model 500 Mat Knife**

1. Remove blade knob and blade cover.
2. Align blade hole over bolt thread. Be sure sharp edge of blade is facing down.
3. Reassemble blade cover and blade knob. (Fig. 5)

**NOTE:** Adjust blade to 8-ply (fully extended), standard 4-ply mat board (middle setting) or safety (fully retracted).

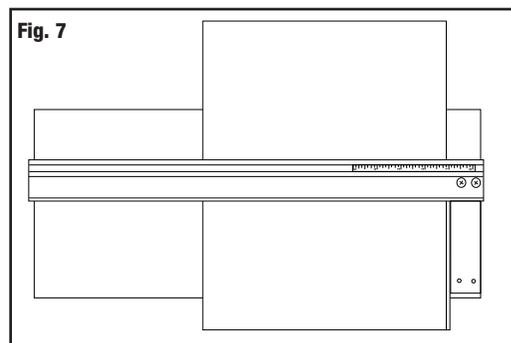
**Mat Guide Assembly**

1. Loosen each mat guide knob three full turns.
2. Hold mat guide at ends with your thumbs on the loosened knobs with raised edge facing guiderail and evenly drop mat guide into channels.
3. Slide to adjust and tighten knobs to lock mat guide (Fig. 6).



**Straight Cutting Board to Size**

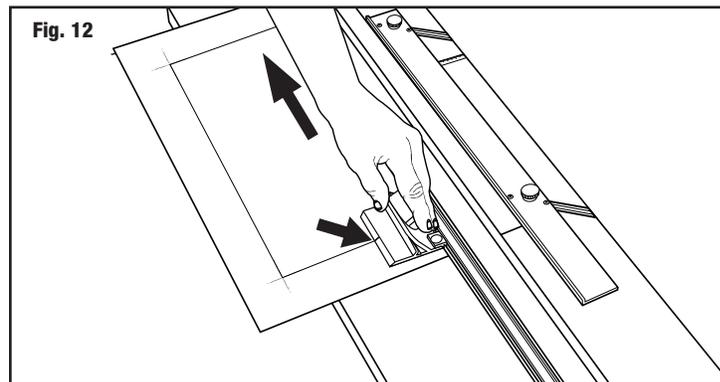
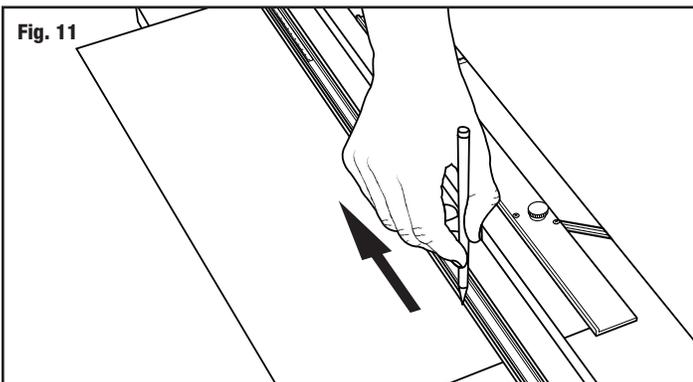
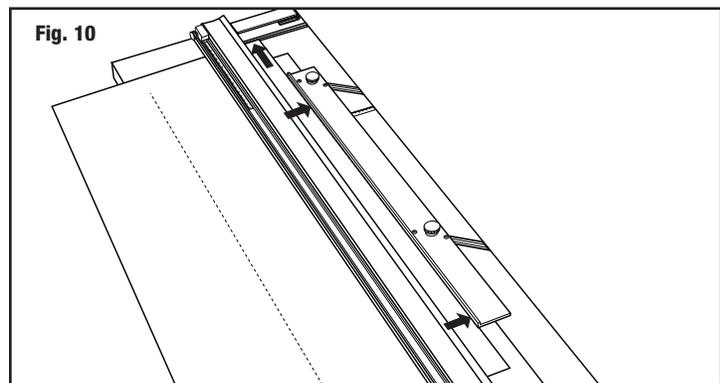
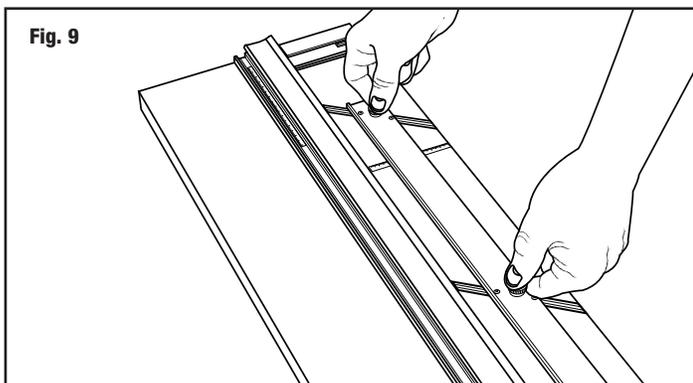
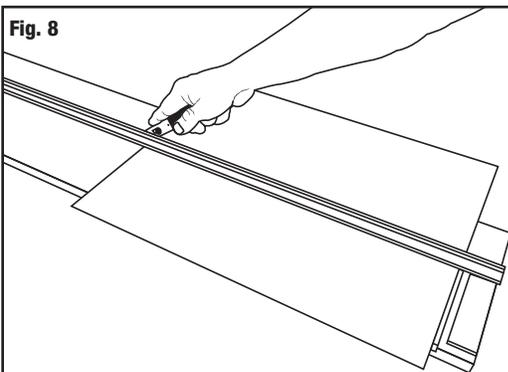
1. Remove mat guide and slip sheet.
2. Measure and mark matboard.
3. Place mat color side down under guide rail and against squaring bar. **(Fig. 7)**.
4. Set the proper depth setting on the Mat Knife.
5. Set Mat Knife past the end of the board to be cut. Grasp the handle as shown in the picture and pull the Mat Knife towards you. Keep constant downward pressure on the Guide Rail as you make your cut **(Fig. 8)**.



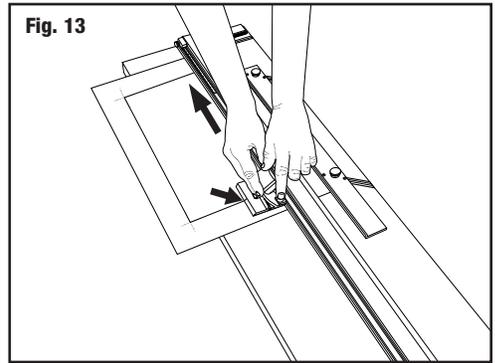
**Bevel Cutting Mat Openings, Without Rail Stops, Line to Line**

**EXAMPLE: Cutting a mat with a 2" border.**

1. Move rail stop out of cutting area or remove from rail.
2. Set the Mat Guide to the desired border width. For example, for a 2" border, align the front of the Mat Guide at the 2" mark and tighten the Black Knobs **(Fig. 9)**.
3. Make sure the Slip Sheet is in place before bevel cutting. You must use a Slip Sheet. The straight cut slot underneath the Guide Rail is for straight cutting only.
4. Place the mat color side down under the Guide Rail and up against the squaring bar and mat guide **(Fig. 10)**.
5. Using a pencil, draw a line down the full length of the back of the matboard. Turn the mat after each marking and repeat this for the remaining three sides **(Fig. 11)**.
6. Attach the 702-1 Bevel Cutter to the Guide Rail by fitting the black nylon guides over the raised edge of the channel **(Fig. 12)**.
7. Position the cutter so the start & stop line lines up with the marked line closest to the top of the machine **(Fig. 12)**.



8. With left hand, depress the Anti-Crawl Pin and firmly pivot the Blade Holder down into the mat (**Fig 13**).
- NOTE:** It is essential to keep even downward pressure on the Blade Holder as you cut.
9. Release the Anti-Crawl Pin and pull the cutting head towards you until start & stop line lines up with bottom pencil line (**Fig. 14**).
10. Rotate the blade holder back up to the neutral position, turn the mat 1/4 to the right. Complete this for the remaining three sides.



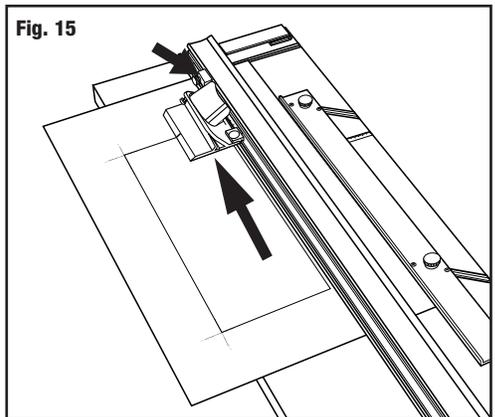
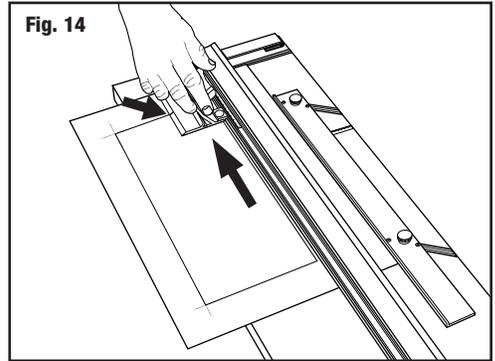
**Bevel Cutting Mat Openings Using One Rail Stop (most popular)**

**EXAMPLE: Cutting a mat with a 2" border.**

1. Set the Mat Guide to the desired border width. For example, for a 2" border, align the front of the Mat Guide at the 2" mark and tighten the Black Knobs (**Fig. 9**).
2. Install or slide rail stop over guiderail scale and set at 2".
3. Place the mat to be cut into the machine colored side down with the Slip Sheet underneath and lower the Guide Rail (**Fig. 10**).
4. Using a pencil, mark a line along the full length of the matboard using the Guide Rail as a guide (**Fig. 11**). Turn the mat 1/4 turn to the right before cutting.
5. Attach the 702-1 Bevel Cutter to the Guide Rail by fitting the black nylon guides over the raised edge of the channel.
6. Position the cutter so the start & stop line lines up with the marked line closest to the top of the machine (**Fig. 12**).

**NOTE:** Extra start & stop lines are for reference to increase or decrease overcuts.

7. With left hand, depress the Anti-Crawl Pin and firmly pivot the Blade Holder down into the mat (**Fig 13**).
- NOTE:** It is essential to keep even downward pressure on the Blade Holder as you cut.
8. Release the Anti-Crawl Pin and pull the cutting head towards you until you reach the stop (**Fig. 15**).
9. Rotate the blade holder back up to the neutral position, turn the mat 1/4 to the right and use the cut line in the back of the matboard to start your next cut. Complete this for remaining three sides.

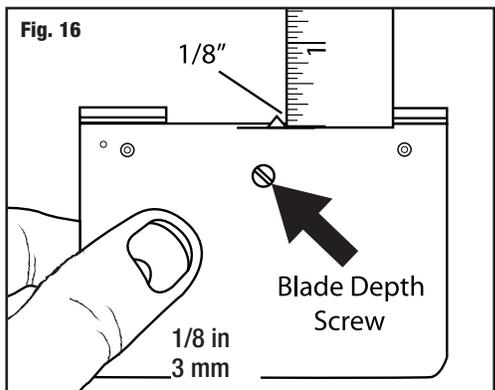


**Adjustments**

**Bevel blade depth adjustment**

- Increase depth to increase overcuts - Decrease depth to reduce overcuts
1. Hold the 702-1 Bevel Cutter upside down in your hand with the blade activated in the cutting position.
  2. Measure the exposed amount with a ruler at the same angle as the blade. For standard thickness mat board (4 ply/1.4mm) only 1/8" of blade should be seen (**Fig. 16**).
  3. Turn blade depth screw (clockwise) to decrease blade depth and (counterclockwise) to increase depth.

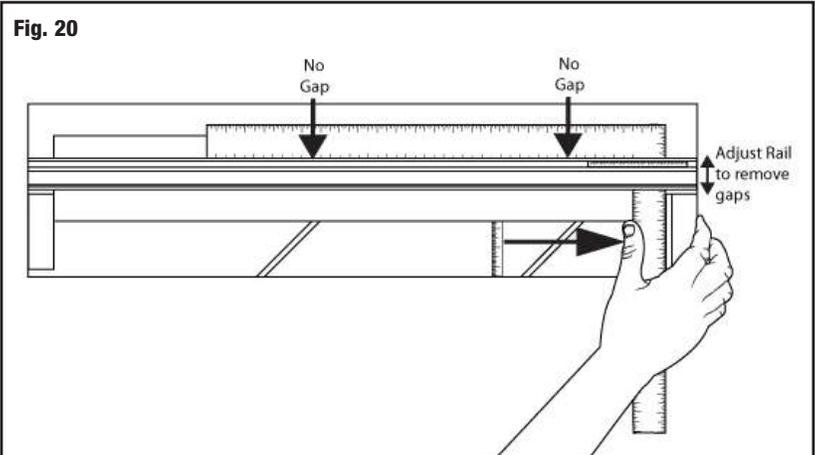
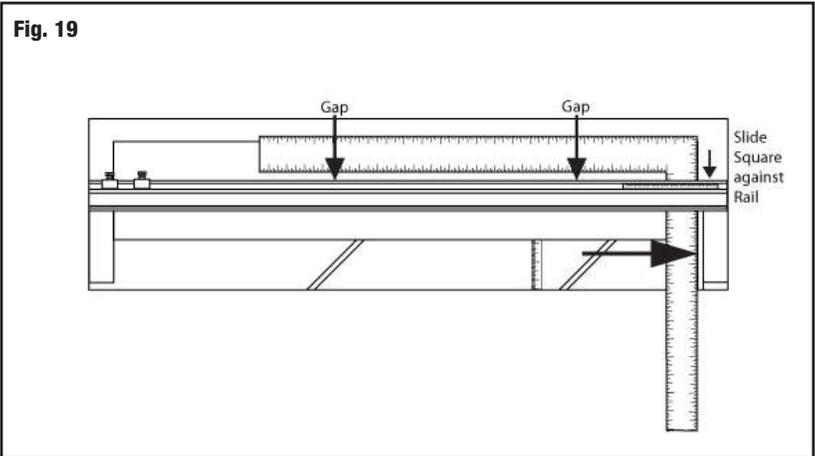
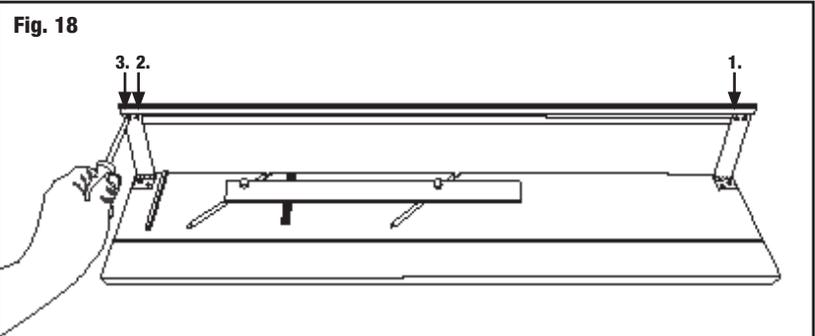
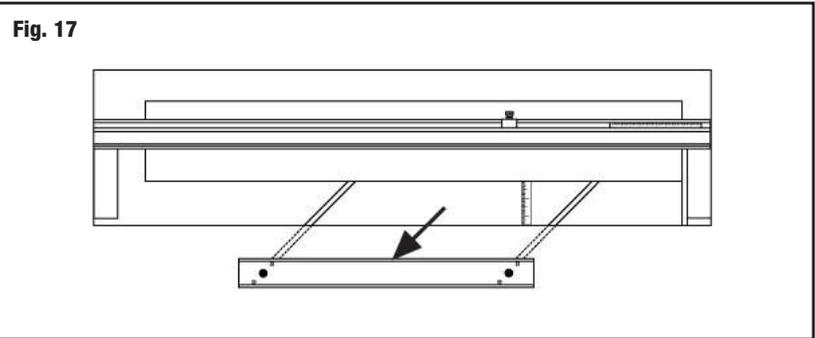
**NOTE:** Always have blade depth set so that Slip Sheet is only slightly scored.



**CAUTION!!  
MAT CUTTING BLADES ARE SHARP**

**Resquaring the Guiderail**

1. Remove mat guide (**Fig. 17**).
2. Add slip sheet (white side up). Raise guiderail.
3. Loosen screws 1 & 2 one full turn. Loosen screw 3 only 1/2 turn so guiderail moveable but not loose on hinge. (**Fig. 18**).
4. Position carpenter square up against squaring bar and under guiderail (**Fig. 19**).
5. Hold carpenter square firmly against squaring bar (**Fig. 20**).
6. Adjust guiderail parallel to carpenter square edge.
7. Raise guiderail & retighten screws.
8. Lower guiderail & recheck parallel
9. Replace mat guide & reparallel mat guide.



**Re-parallel Mat Guide**

**Tools Needed: Phillips Screwdriver, Ruler**

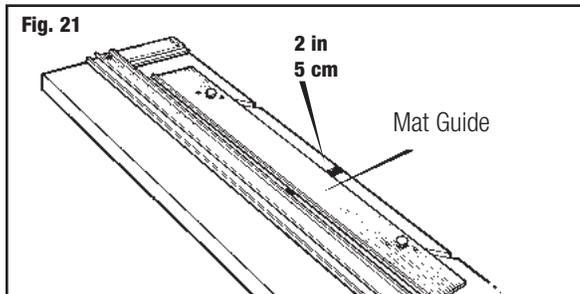
To re-parallel the Mat Guide, first determine that the Mat Guide is out of parallel by doing a parallel test.

**Parallel Test:**

1. Lock the Mat Guide at the 2" mark on the scale (**Fig. 21**).
2. Place a scrap piece of matboard under the Guide Rail and up against the Mat Guide at the far end of the machine.
3. Using a pencil, mark a line across the matboard.
4. Slide the mat all the way down near where you are standing keeping under the Guide Rail.
5. Mark another line across the matboard.
6. The piece of matboard should now appear to only have one single line across it. If the two lines drawn do not line up with each other, the Mat Guide needs to be re-parallelled.

**To Re-parallel:**

1. Release the Mat Guide.
2. Use a Phillips head screwdriver to loosen the four screws on either side of the black knobs one turn.



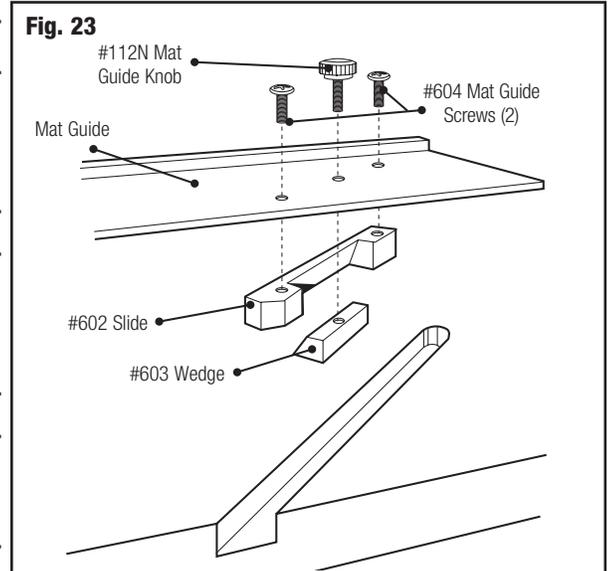
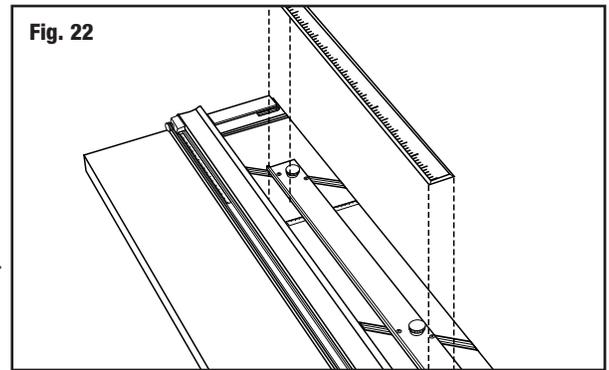
3. Place a ruler or straight edge between the Mat Guide and the Guide Rail (**Fig. 22**).
4. Slide the Mat Guide against the straight edge and the Guide Rail. Make sure both the Mat Guide and the Guide Rail are making solid contact on both sides of the straight edge.
5. Re-tighten the Black Knobs first.
6. Then re-tighten the four screws. Do another parallel test to ensure that the Mat Guide is now parallel.

**Mat Guide Assembly**

If mat guide wedge becomes unscrewed from mat guide, reassemble making sure angle of wedge is aligned correctly (**Fig. 23**).

**Trouble Shooting**

<b>Problem</b>	<b>Solution</b>
<b>Hooks or Curves</b>	Blade depth set too deep. Blade is dull. Blade is catching on previous cut in Slip Sheet. Uneven pressure being applied to Cutting Head during cut.
<b>Overcut on Top Cut</b>	Blade depth set too deep.
<b>Overcut on Bottom Cut</b>	If too small - align start and stop indicator slightly below pencil line and cut. If too big - align start and stop indicator slightly above pencil line and cut.
<b>Mat Borders Uneven</b>	Mat Guide not parallel
<b>Ragged Bevel Cut</b>	Cutting without a Slip Sheet. Slip Sheet is worn out. Not changing the blade often enough.
<b>Not Cutting Through</b>	Machine not on a level surface. Not using a Slip Sheet as least as long as the mat you are cutting. Blade depth set too shallow.



**Warranty**

Logan Graphic Products, Inc. ("Logan") warrants the 401-1 ARTIST CLASSIC to be free from defects in parts and workmanship for a period of two years from the date of original purchase. Logan warrants that it will either repair or replace, in its sole discretion, any necessary replacement parts found to be defective. Should the product need to be returned to Logan for repair or replacement parts, authorization for any return must come from Logan in writing. Costs of returning the product to Logan, including insurances, shall be borne by the purchaser. Logan shall not be liable for any damages or losses, incidental or consequential, direct or indirect, arising from the use of this product. This warranty extends only to the original purchaser and is not assignable or transferable. This warranty is in lieu of all other warranties, expressed or implied. Be advised that any Logan products purchased as "new" from an unauthorized dealer, such as an online auction site or similar, may be void of their warranty.

Logan Graphic Products, Inc.  
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**Helpful Hints**

**Avoid Board Warp** - Always store your Mat Cutter flat.

**Clean Guide Rail** - Only use evaporative solvents such as lighter fluid or alcohol. Do not lubricate the Guide Rail: lubricants will soften the nylon guides and cause them to bind on guide rail.

**Cutting a Border Less Than 3/4"** - Mark mat (back side) using a pencil and do not use Mat Guide.

**Blade Life** - Use only authentic Logan blades to ensure best results. No two blades last the same amount of time. Size of mats and differences in mat board effect blade life. It is best practice to use a new blade whenever starting a new project.

