

Instruction Manual

Model F200-1

PICTURE FRAMING

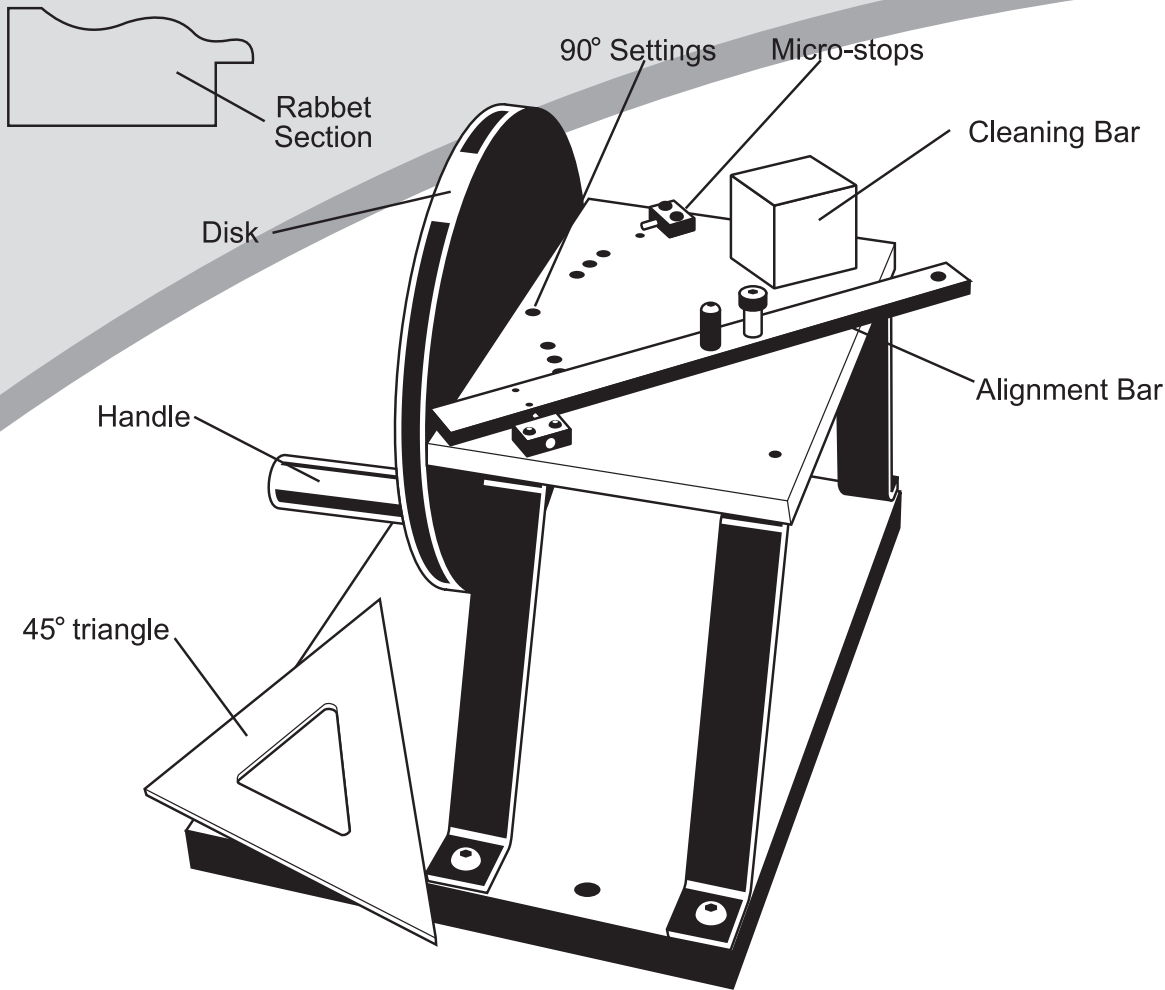
PRECISION SANDER



Description

The Model F200-1 Precision Sander has been designed to improve saw cut miters to perfect 45° and other commonly used angles. After sanding the miters, the result is a sharp seamless frame corner that is of professional quality. The Model F200-1 Precision Sander is a precision tool and will give many years of service. Producing professional quality picture frames is now easier than ever.

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Identification

Disk - 10 lb. wheel which rotates in either direction for sanding.

Handle - Handle to drive wheel.

Alignment Bar - Fence stop that the frame lines up against for sanding. Rotates to three settings.

Micro-stops - Alignment bar adjustments for perfect 45° angles.

Cleaning Bar - Used to loosen built-up saw dust on sanding disk.

45° Triangle - Used to fine tune micro-stops to 45°.

Rabbet - Undercut section of frame where framing material stacks onto.

90° Setting - Hole for alignment bar to set at 90°.

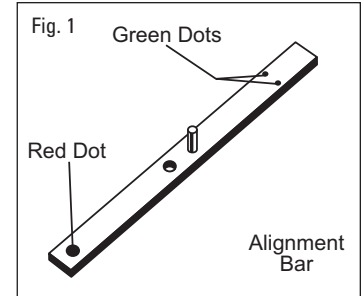
Reference Part No. L689N

Rev. 12/08

Operation

A. Position

1. Rotate alignment bar to desired angle (Fig. 1).
2. For 45° settings line up green dots. For 90° setting line up red dot.



B. Sanding

1. Place back of moulding against alignment bar with finish side up (Fig. 2).
2. Slide moulding against disk.
3. With one hand hold moulding firmly against alignment bar and disk. With other hand rotate disk in the direction of the moulding or downward onto the top of the moulding (Fig. 2).
4. Rotate disk 4-6 times.

Pro Pointer • Adjust the pressure against the disk while rotating. Start with light pressure until disk is spinning, then increase the pressure for easier sanding.

5. Check sanded surface of moulding to see if surface is smooth (Fig. 3).
6. Repeat until smooth.

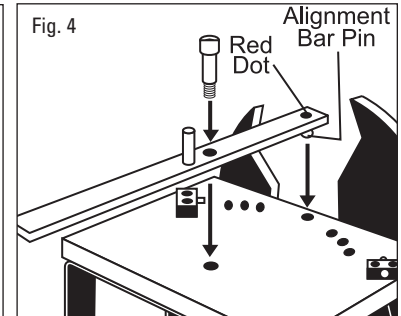
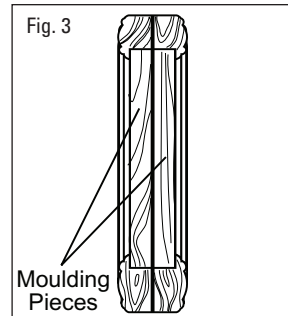
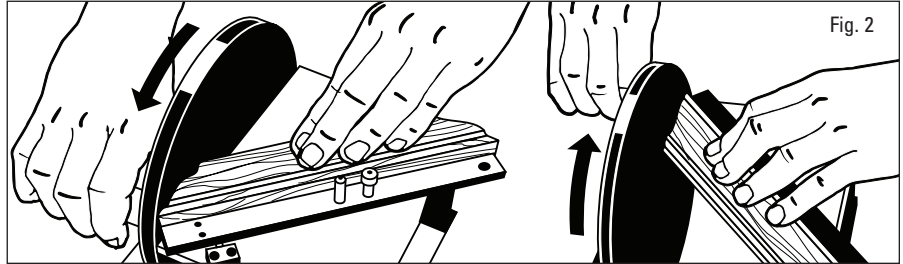
C. Check Lengths

It is important both sides of moulding are same length for square frame and seamless corners.

1. Lay two moulding pieces side-by-side so miters are facing up.
2. Align the two lower edges.
3. Check to see if the upper edges are even in length (Fig. 3).
4. If not, sand longer piece until it's even with short piece.

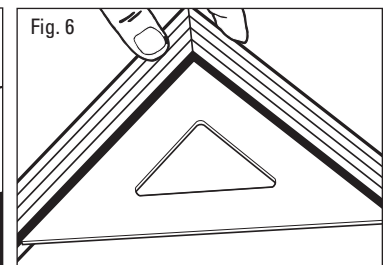
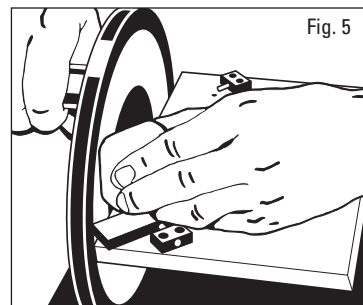
D. 90° Setting

1. Rotate alignment bar so red pin in bar fits into red hole in plate (Fig. 4).



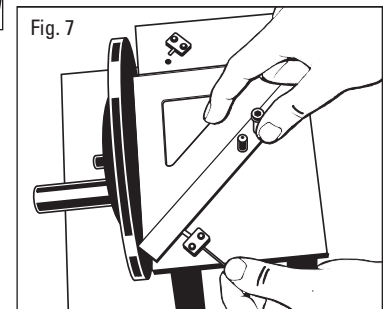
Cleaning

After repeated use the sanding disk will become filled with dust. To remove the dust use a firm non-metallic brush or the cleaning bar. Hold the cleaning bar at 45 degrees and move down the length of the disk while rotating (Fig. 5). Use light pressure. **NOTE:** Surface of sandpaper may not look clean but it is. The dust sticks to the backing material not the raised abrasive grit.



Adjustment

To check 45° accuracy, hold the two sanded corners together upside down and check 90° using the square provided (Fig. 6). If not square, set the 45° square flat against the disk and up against bar (Fig. 7). Look for gaps against the bar. Adjust the bar using adjustment wrench until gap disappears. Test 90° again.



Changing Disk Paper

1. Remove disk using disk wrench.
2. Remove worn sandpaper and clean surface of disk of any glue or debris using a razor blade or mineral spirits.
3. Peel off adhesive backing and apply sandpaper to disk carefully. Press thoroughly to remove any bubbles.

Sanding Frames with more than 4 Sides

The extra holes labeled "5", "6" & "8" on the Precision Sander refer to the quantity of frame sides they are intended for.

For example, the hole numbered 8 means that you are making an octagonal or 8-sided frame. You would need 8 pieces of moulding, each cut to the exact same length, and then sanded at the "8" mark (67° angle).

The same applies for the 6 sided frame (6 pieces of moulding cut to the same length) and sanded at the "6" mark (60°) and also the 5 sided frame (5 pieces of moulding at the same length) at 54°.

The operation of sanding remains the same for these as it is for the standard 4 sided frame.

Before attempting to make a multi-sided frame you should consider the following:

Note: You will also need an appropriate 'strap clamp' to hold all the pieces together while they are being glued and V-Nailed.

1. How would you cut moulding to the correct angle to create a multi-sided frame?

The Logan Pro-Saw (Model F100-2) has positive stops built-in to the Angle Pivot to simplify the cutting of multi-sided frames.

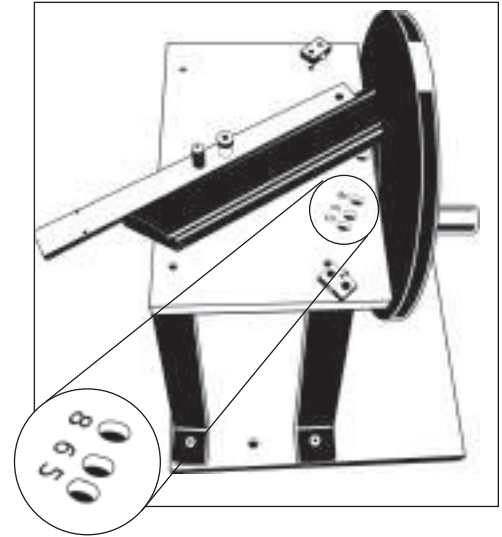
For detailed instructions on cutting moulding for frames with more than 4 sides, see separate Logan Pro-Saw (Model F100-2) operational instructions, available at <http://www.logangraphic.com/manuals/english/F100-2.pdf>

2. How would you V-Nail the frame together?

The Logan Studio Joiner (Model F300-1) can be used to join multi-sided frames by removing the beam, placing the strapped frame in between the posts, and replacing the beam.

Note: Care should be taken when choosing ornate or unusual shaped mouldings to create multi-sided frames. It may be difficult to stabilize the point of entry for the V-Nail.

For detailed instructions on joining frames with more than 4 sides, see separate Logan Studio Joiner (Model F300-1) operational instructions, available at <http://www.logangraphic.com/manuals/english/F300-1.pdf>



Trouble Shooting

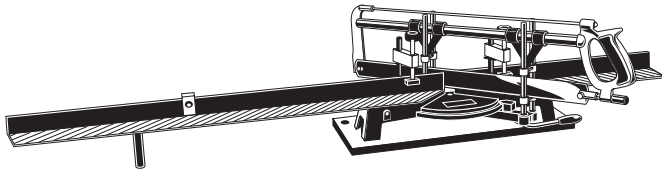
Problem	Solution
Moulding splinters.	Reverse sanding direction. Apply less pressure to surface being sanded.
Not producing 45 degree angle.	Refer to instructions for making adjustments using micro-adjustment blocks. Only small incremental adjustments are required. Remove any debris between moulding and fence. Remove any debris between fence and micro-adjustment stop(s). Make sure center bolt on sanding wheel is tight.
Rough surface after sanding.	Clean sanding disk with supplied cleaning bar. Replace sand paper disk. Apply less pressure to surface being sanded.
Gaps appear in moulding joints.	Sand surface until a fine line of dust appears across the top of the moulding.

Warranty

Logan Graphic Products, Inc. ("Logan") warrants the Precision Sander - Model F200-1, to be free from defects in parts and workmanship for a period of one year from the date of original purchase. Logan warrants that it will either repair or replace, at 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.

ALSO AVAILABLE FROM LOGAN GRAPHICS

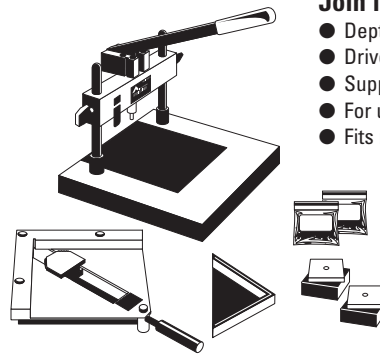
Logan Graphics Picture Framing System includes all the tools and accessories you need to produce professional quality frames including...



PRO SAW Model F100-2

Measure and cut accurate, consistent miters for professional quality picture frames

- Multiple angle settings
- Easy to use miter measuring scale
- Fast-action secure-hold clamps
- Cuts up to 2 1/2" (6.25cm) moulding
- Precision guides for accurate cuts
- Super-fine 24 tooth/inch or 9.6 tooth/cm saw blade
- 36" (90cm) fence length left & 18" (45cm) length right
- Also cuts metal



STUDIO JOINER Model F300-1

Join frame corners simply and accurately

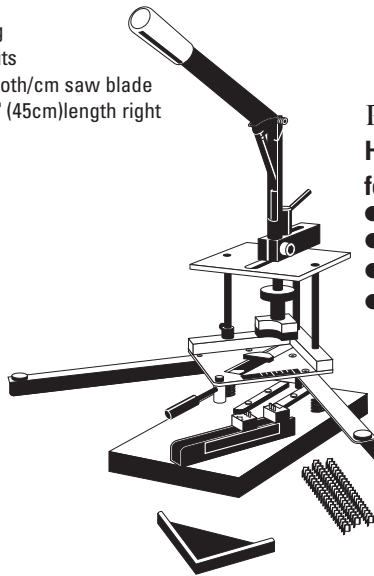
- Depth setting adjustment
- Drives all V-nail sizes
- Support spacer for irregular profiles
- For use with hard or soft woods
- Fits mouldings up to 2 1/2" (6.25cm)

PRO JOINER Model F300-2

Heavy duty professional-style joiner

for precise corner joints

- Patented V-nail alignment pins
- Drives all V-nail sizes
- Fits mouldings up to 2 1/2" (6.25cm)
- Can drive two nails at once



DUAL-DRIVE POINT DRIVER Model F500-1

Secure artwork, backing board and glass into hard or soft wood frames. Spring-loaded action drives both rigid and flexible points. For successful operation, use only authentic Logan points.

Secure artwork, backing board and glass into hard or soft wood frames. Spring-loaded action drives both rigid and flexible points. For successful operation, use only authentic Logan points.

Replacement Points:

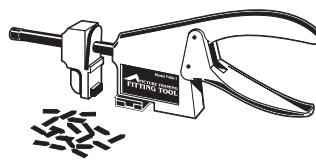
- F53 - Flex Point Strip 600 pcs.**
- F54 - Rigid Point Strip 600 pcs.**
- F55 - Flex Point Strip 2,500 pcs.**
- F56 - Rigid Point Strip 2,500 pcs.**



BOOKS

Complete and detailed directions featuring Logan's Picture Framing Tools System. Learn inside secrets from professional framers for creating your own custom framed art.

Home Picture Framing - Model F245



FITTING TOOL Model F400-1

Drives brads or point inserts into wood frames to hold materials in place

- Drives four different inserts
- No slipping or bending
- Easy adjust foot
- Use on hard or soft woods
- Patented rotating insert holder
- Proper drive angle assured
- No guessing or skill required

For more information, including where to buy Logan Framing Products, visit us at www.logangraphic.com