

EMERY

G A M E L I N E



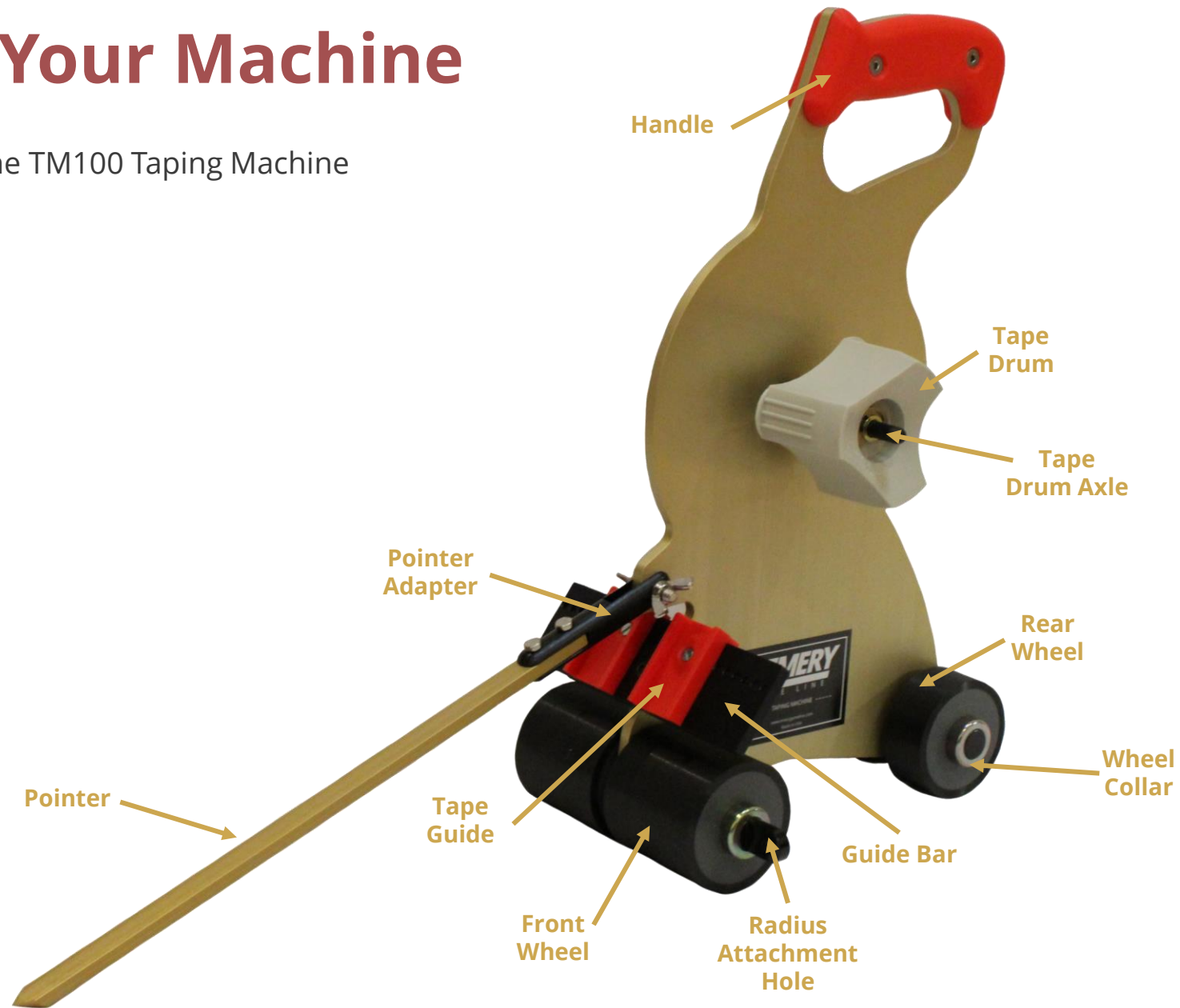
TM100 Operation Manual

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Get to Know Your Machine

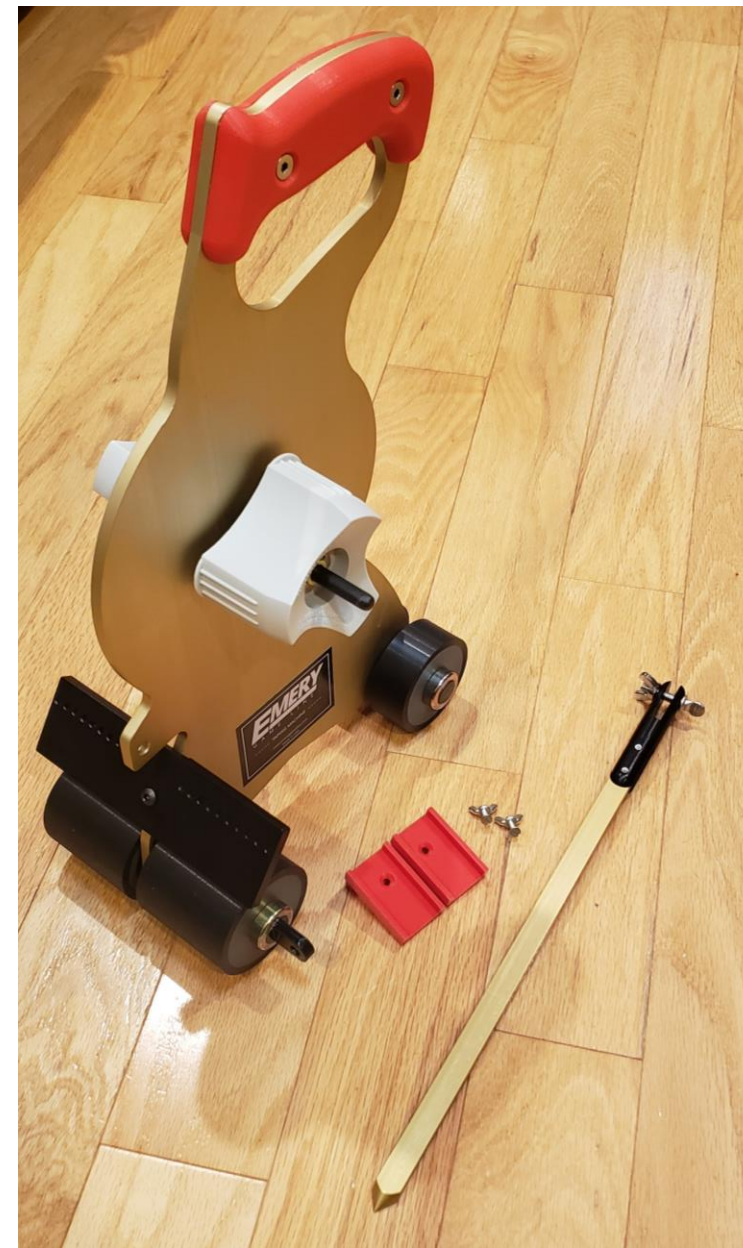
The important features of the TM100 Taping Machine are called out below.



Getting Started

To begin taping, the following items will be needed:

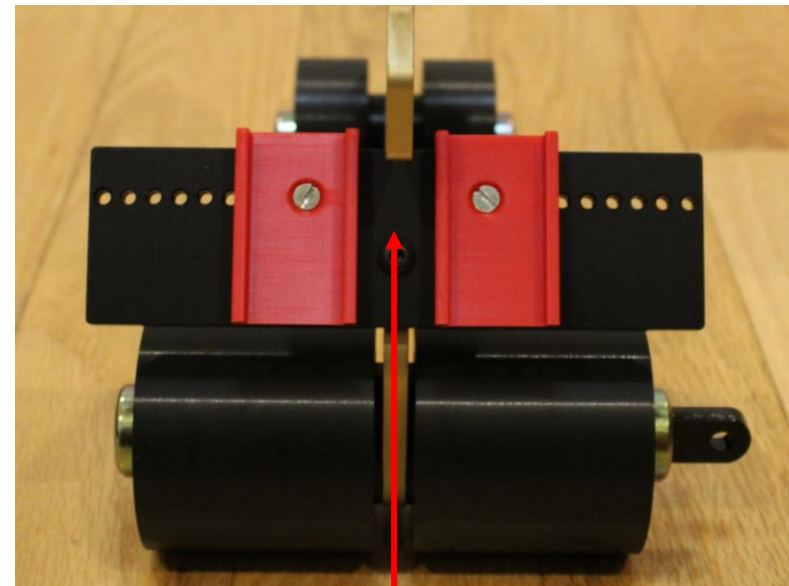
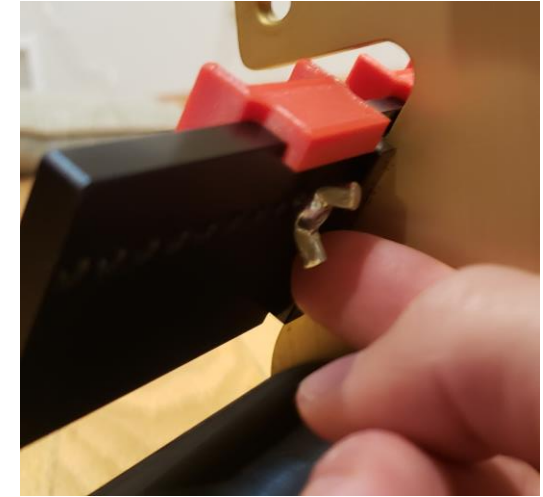
- TM100 Taping Machine
- 1 set of G-Series tape guides
- 2 tape guide screws and wingnuts
- 1 pointer assembly



Machine Set-Up

STEP 1:

- Install the GI-Series or GM-Series tape guides that match the tape width you are going to use.
- Push the screw through the Tape Guide and Guide Bar and fasten with the wingnut on the back-side.
NOTE: Bias the holes/screws in the guides toward the center of the machine.



Center of the
machine

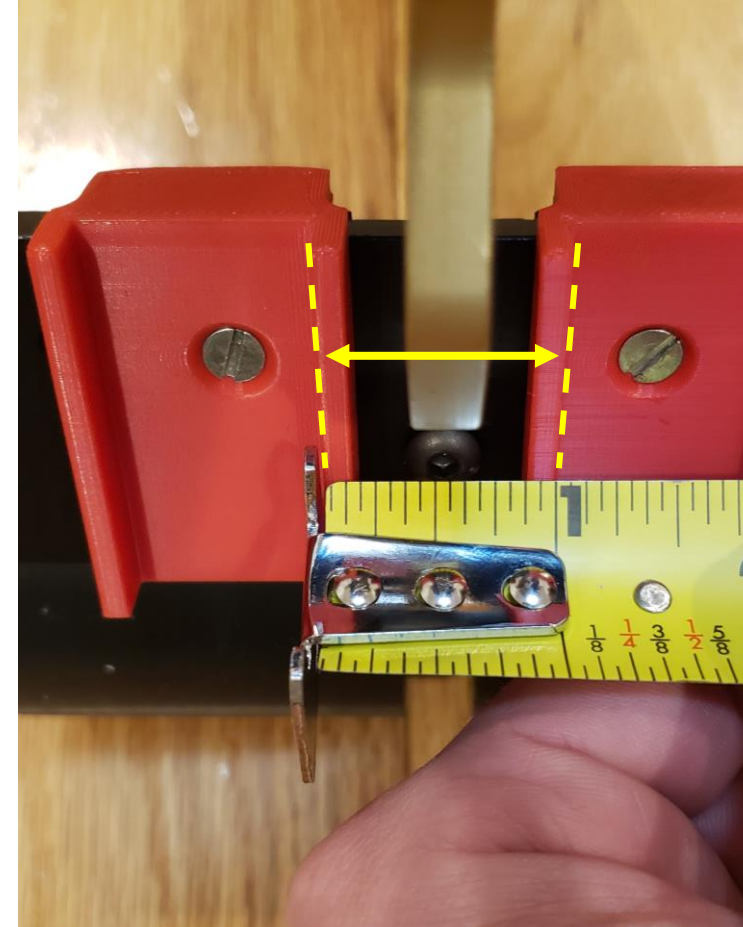
Other notes:

- Be sure to install the tape guides at the correct width to tape if you are going to be masking for a painted line.
- If you are only going to be taping using one roll of tape, be sure to set up the tape guide as close to the center of the machine as possible.

Machine Set-Up

STEP 2:

- Measure the gap between the two inside walls of the tape guides to make sure it is correct.
-



Machine Set-Up

STEP 3:

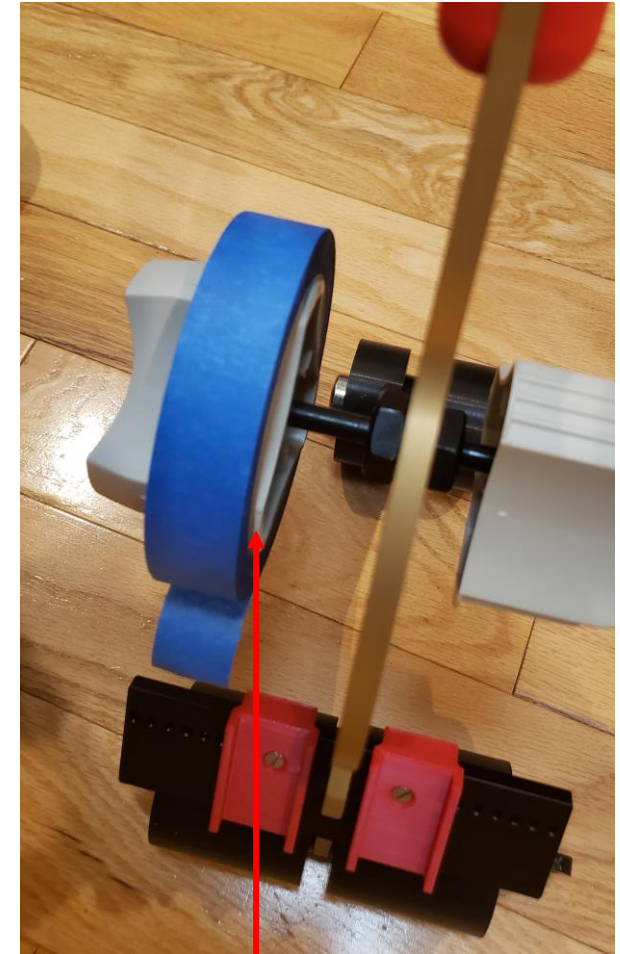
- Press desired rolls of tape onto the Tape Drums.
- Make sure sticky side of tape is in the upward orientation.
- Press tape roll all the way to the back ridge of the Tape Drum.

Other notes:

- Make sure tape width matches the Tape Guide width.
- Tape roll should be a tight press fit onto the tape drum.



Sticky side up



Back edge of
Tape Drum

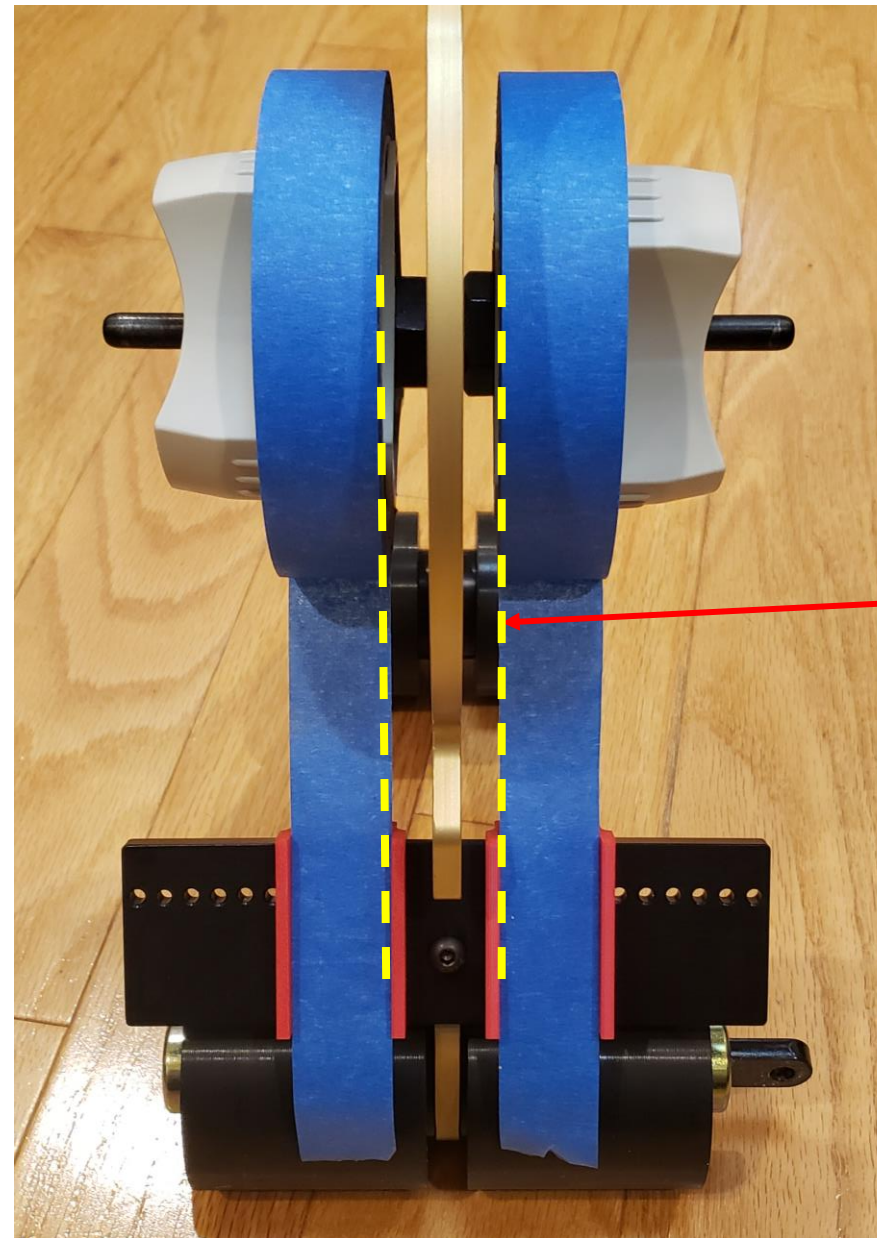
Machine Set-Up

STEP 4:

- Adjust the Tape Drums so that the inside ridge is aligned with the inside edge of the Tape Guide.
- To adjust the Tape Drums, push them in or out using just your hands. They will slide hard, this is normal.

Other notes:

- The Tape Drums are hard to move because they need friction to hold their position on the Tape Drum Axle.
- Misalignment of the Tape Drums and Tape Guides will cause wrinkles in the tape.



Properly aligned Tape Drums and Tape guides

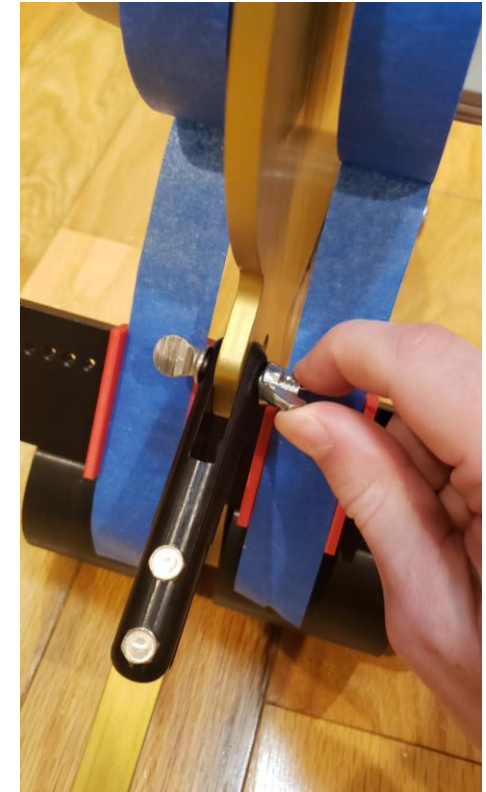
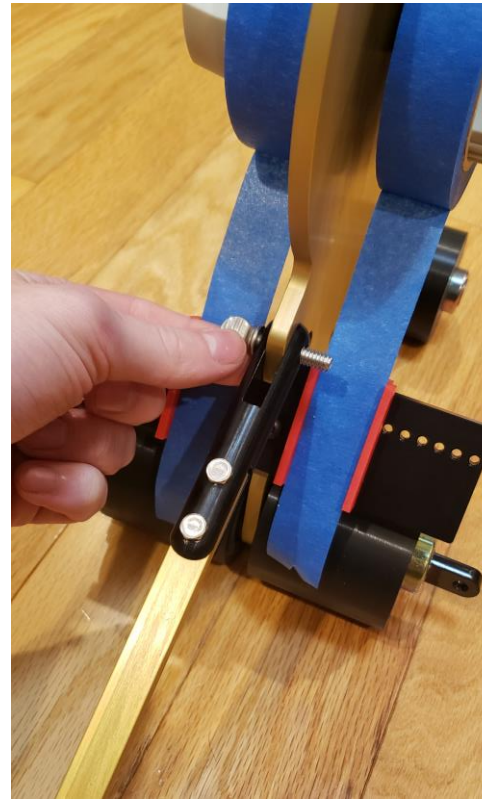
Machine Set-Up

STEP 5:

- Attach Pointer to the TM100 using the thumbscrew and wingnut as shown.
 - Align the Pointer with the ground before tightening the thumbscrew all the way.
-

Other notes:

- Make sure rounded side of point is toward the ground.



**Rounded side of
point toward surface**



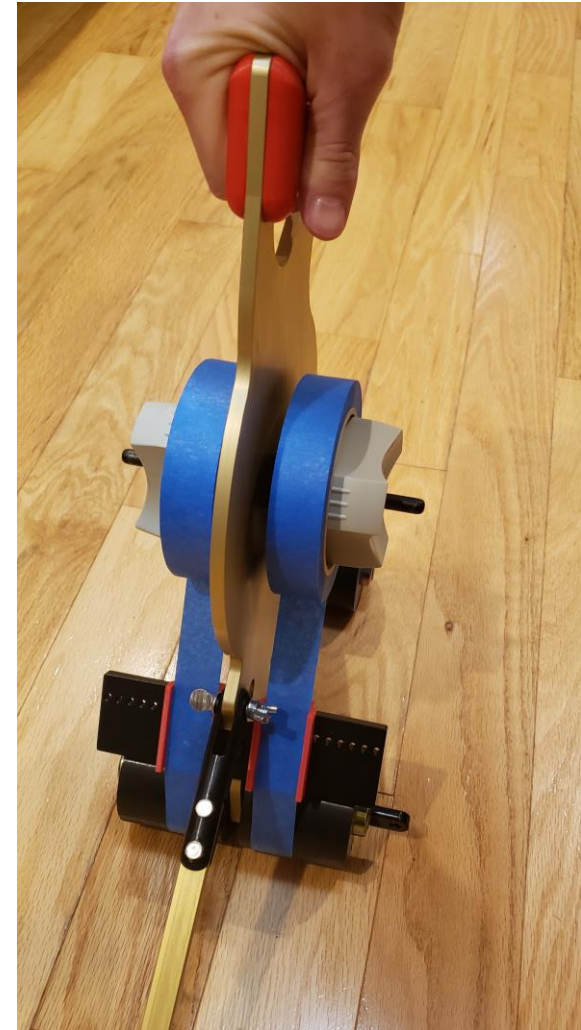
Machine Set-Up

STEP 6:

- Pull the tape under both front wheels where you want to begin the tape line.
- Keep the pointer aligned with your guiding-line on the surface and slowly roll the machine forward to set tape.

Other notes:

- It is recommended to start taping a few inches before where tape is required.

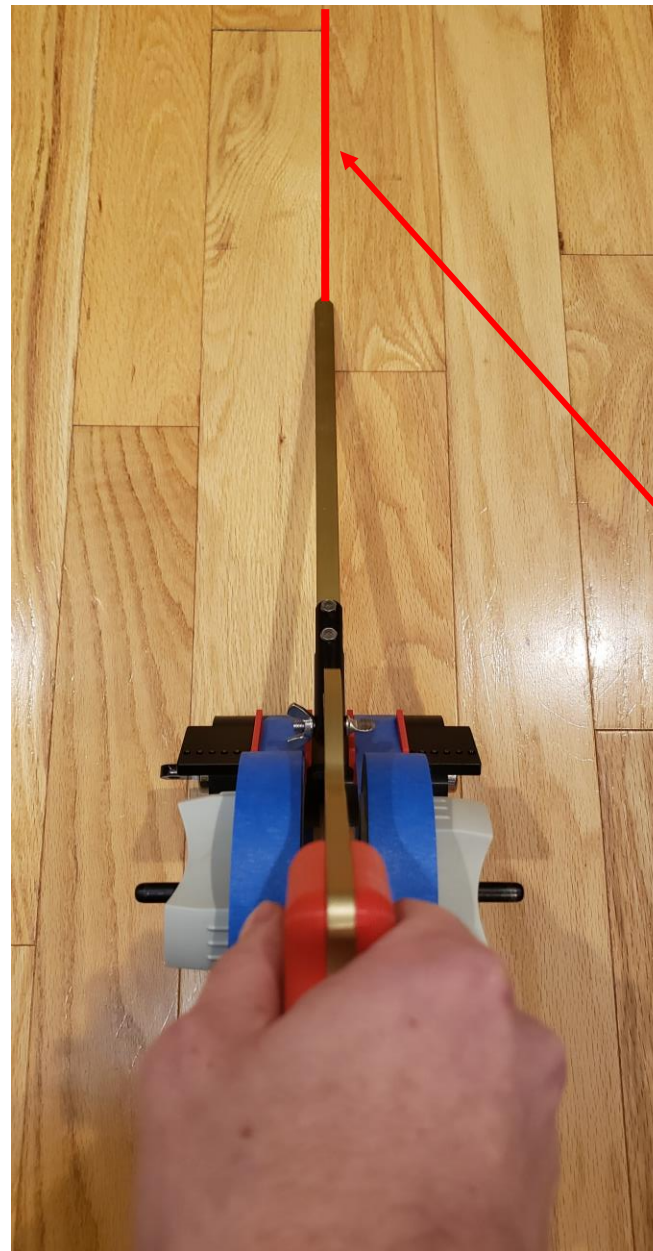


Laying Tape

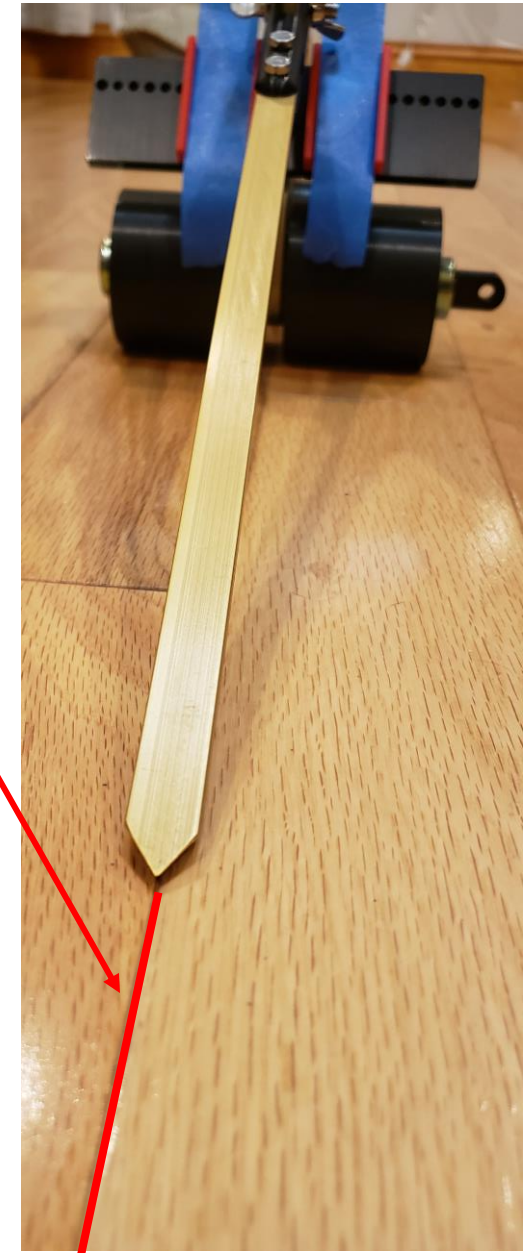
- Roll the machine forward while applying downward pressure.
- Use the pointer to follow your guiding line.

Other notes:

- Applying downward pressure will remove the most air pockets from the tape and create a sealed edge for painting.
- Rolling the machine too fast will put excessive stress on the machine and provide poor taping results.



Centered
guiding-line



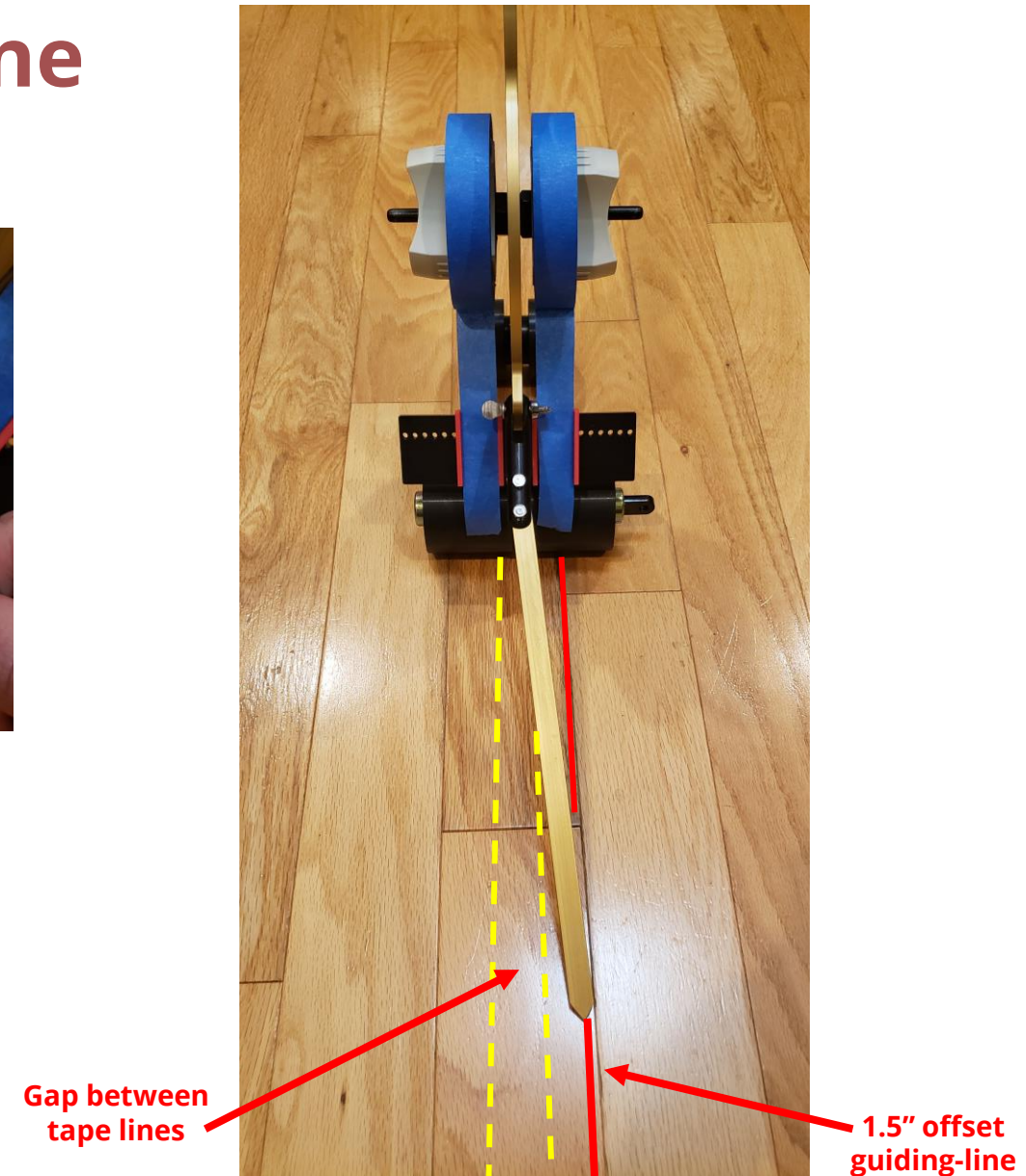
Using a Minorly Offset Guiding-Line

- Slightly loosen both screws in the Pointer Adapter.
- Rotate the Pointer until it is aligned with the offset guiding-line.
- Tighten the two screws in the Pointer Adapter to hold the position.



Other notes:

- Loosening the screws will only allow for an offset of about 1.5" both ways. See next page for achieving a larger offset.

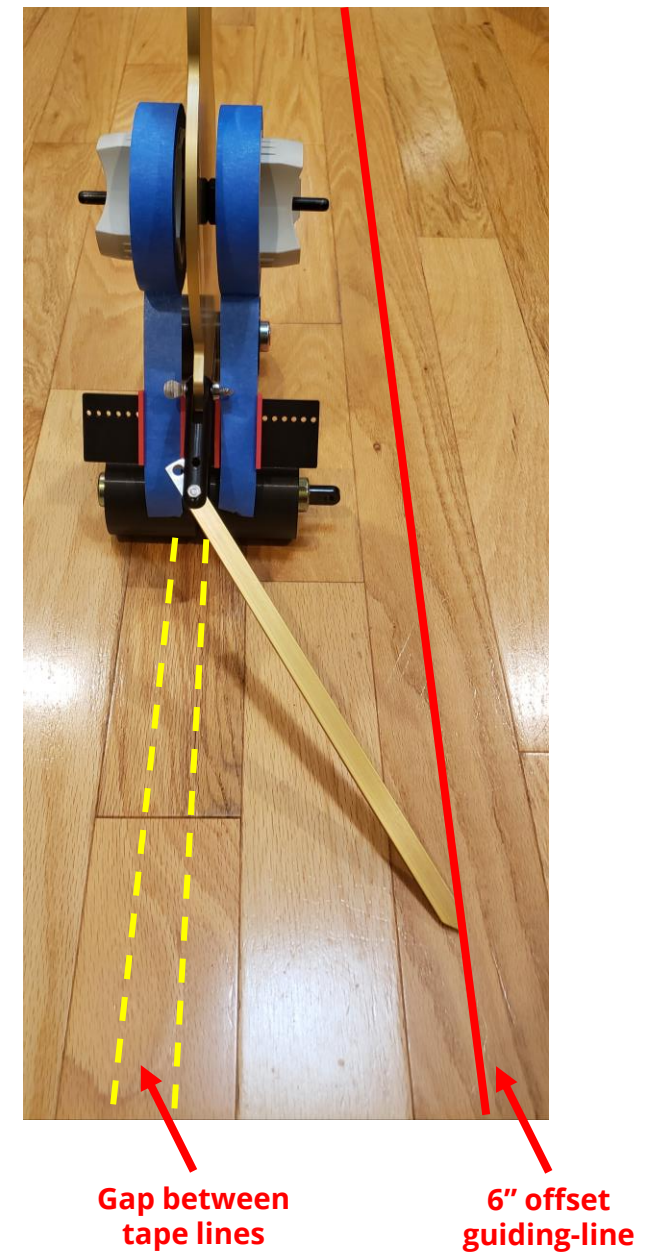


Using a Majorly Offset Guiding-Line

- Remove top screw from the Pointer adapter and slightly loosen the bottom screw.
- Turn the Pointer and set it with the tip set on your guiding-line at the correct offset distance.
- Tighten the bottom screw in the Pointer Adapter to hold the position.

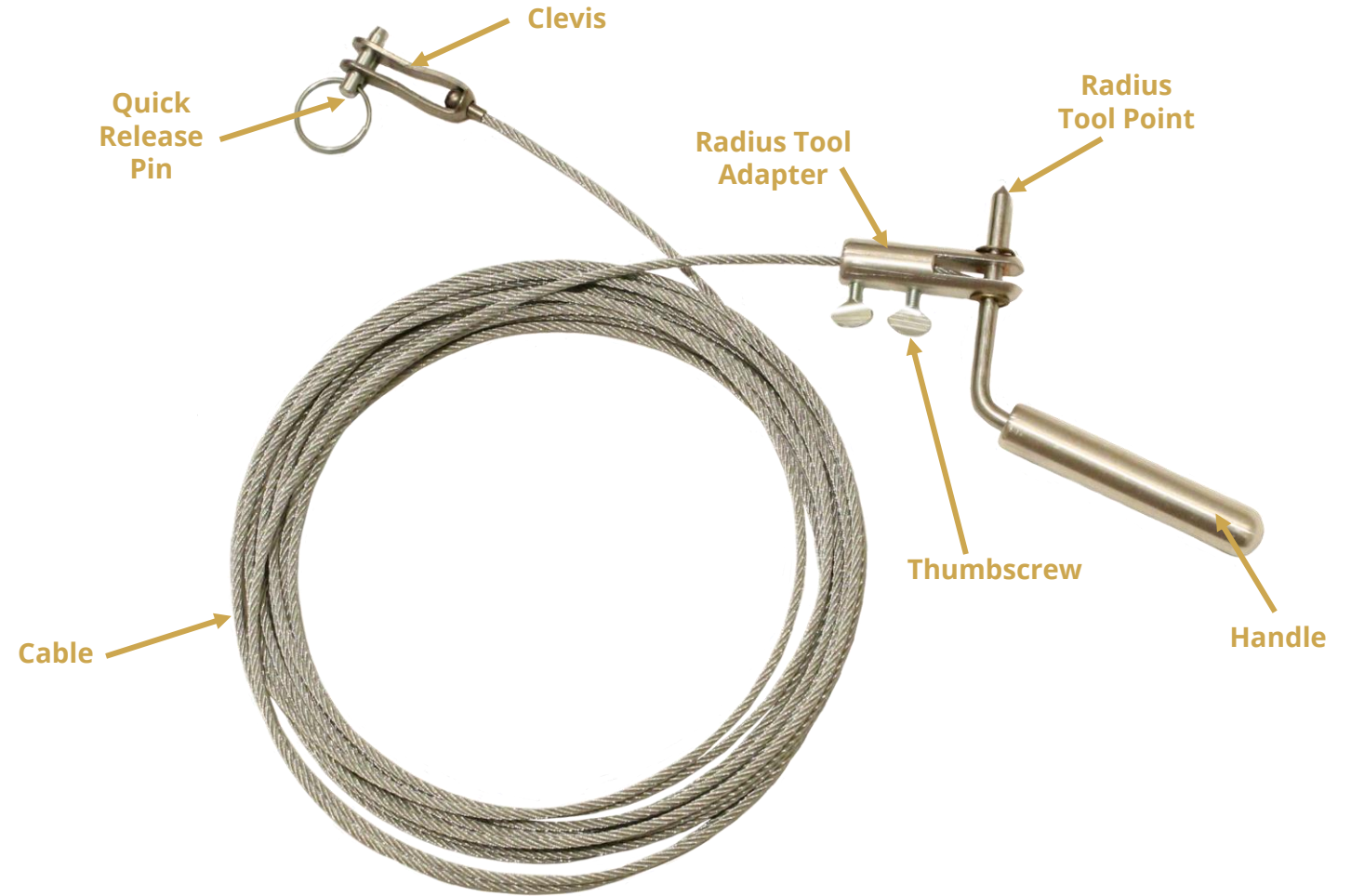
Other notes:

- Do not over-tighten the screws, they will strip-out the threads in the adapter.
- Not recommended for offsets over 6 inches.



Setting Up an R-Series Radius Tool (R24 or R33)

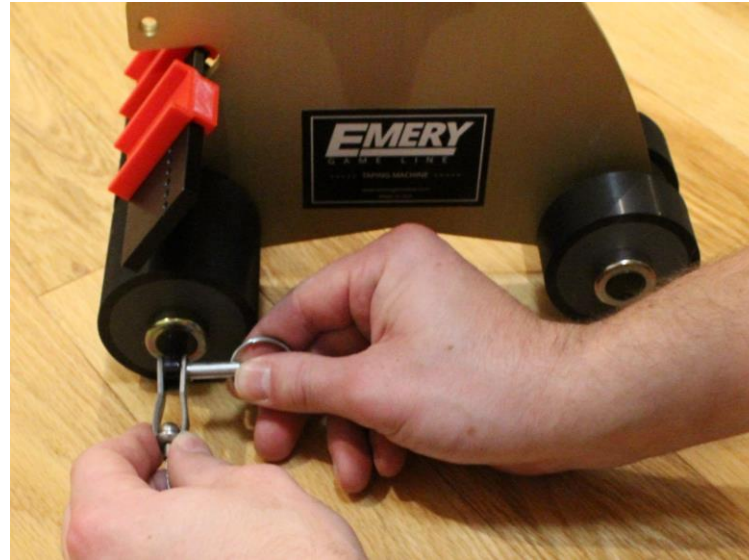
The important features of the R-Series Radius Tool are called out below.



Setting Up an R-Series Radius Tool (R24 or R33)

STEP 1:

- Slide clevis over the rib on the end of the front axle.
 - Press the quick release pin into the radius tool attachment hole as shown.
 - Set the TM100 Taping Machine at the location where the line will begin. Push down slightly to hold the position of the machine.
-



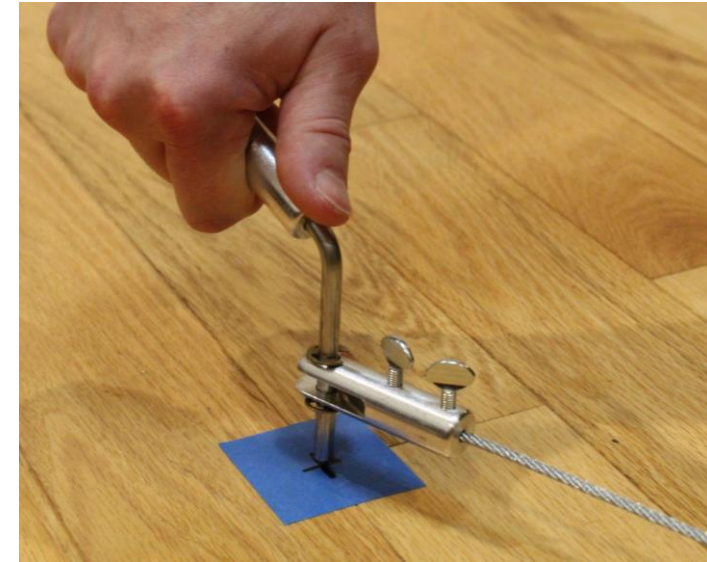
Setting Up an R-Series Radius Tool (R24 or R33)

STEP 2:

- Loosen the two thumbscrews in the Radius Tool Adapter.
 - Place the Radius Tool Point at the center point of the desired circle or arc.
-

Other notes:

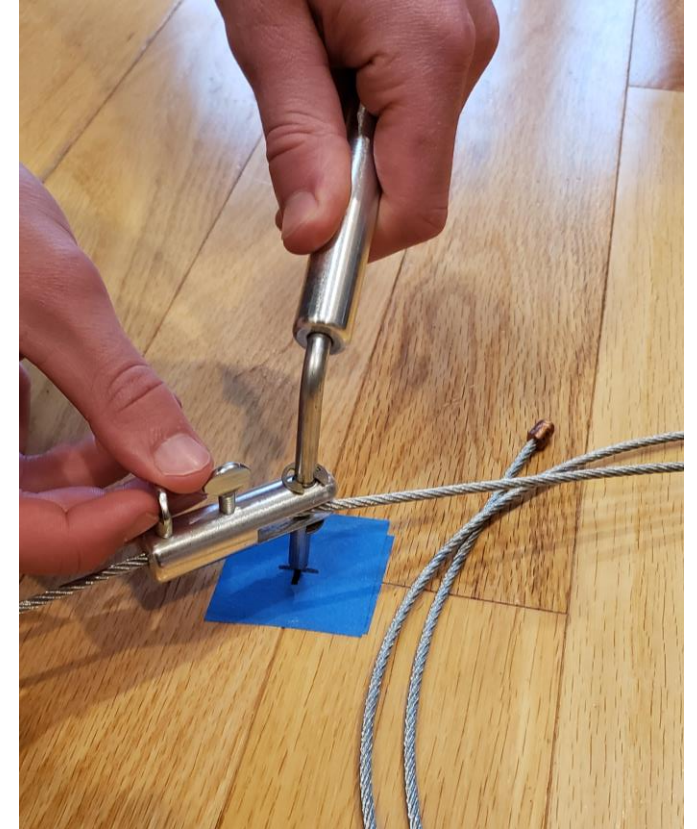
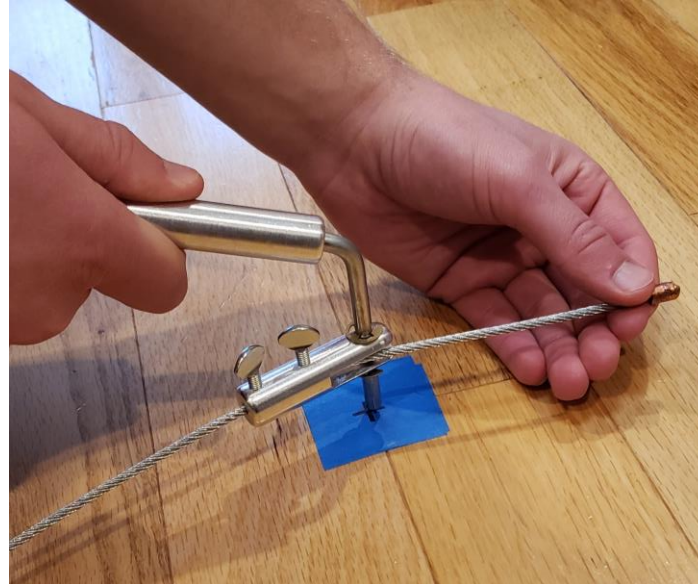
- It is recommended to put down a few layers of tape where the radius tool point will be used. This will avoid damage to the surface.



Setting Up an R-Series Radius Tool (R24 or R33)

STEP 3:

- Pull excess cable through the adapter until there is tension in the cable.
- Tighten the two thumbscrews to hold the length of the cable.



Other notes:

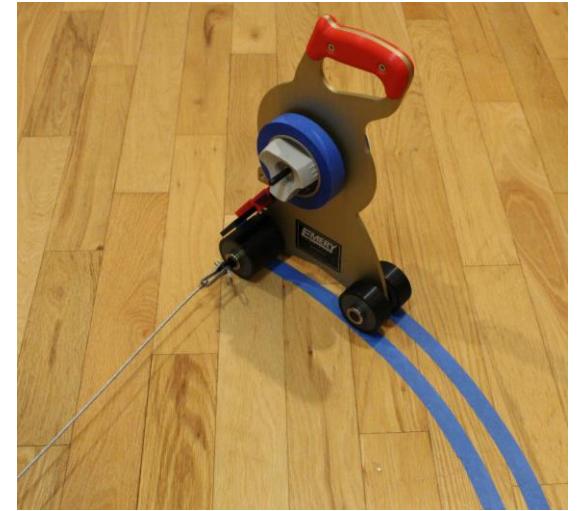
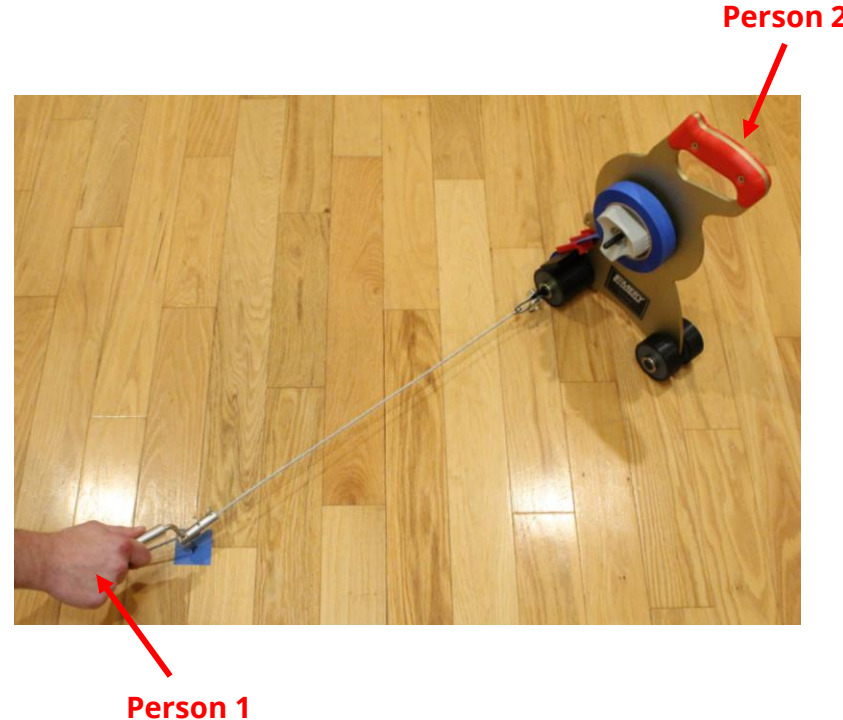
- Do not overtighten the thumbscrews. This will damage the cable.

Using an R-Series Radius Tool (R24 or R33)

- One person holds the Radius Tool Handle and applies pressure on the point.
- The second person pushes the TM100 Taping Machine forward, allowing the machine to follow the curved path. **NOTE: Be sure to apply downward pressure to the machine. This will eliminate wrinkling in the tape.**

Other notes:

- Recommend tape widths for this operation are 1.5" and narrower.



Maintenance and Storage

Maintenance

- Keep tape guides clean and free from dust, dirt, and tape grime.
- If Tape Drums get too tight. Lightly grease the Tape Drum Axle to allow for ease of movement.
- If wheels become tight and do not spin, adjust set screws in the bottom of the wheel collars.
- When replacing wheels, replace both wheels on the axle. (Both front wheels or both rear wheels)
- If wheel axles become misaligned, contact Emery Game Line for a re-alignment. **NOTE: Do not attempt this yourself, there is a special procedure.**

Storage

- Store in a cool stable location. Do not leave machine in the sun or on hot surfaces for extended periods of time.
- Store in the up-right position as shown. Remove pointer.

Other notes:

- Contact Emery Game Line to ask about refurbished machines.



Warnings, Recommendations, and Liability

- **Do not drop the machine.**
 - Bending or breaking and part of the machine will reduce accuracy and functionality.
- **Do not leave the machine in direct sun.**
 - This could cause warping of plastic parts.
- **Do not leave the machine on a hot surface.**
 - This could cause flat spots on the wheels to be created
- **It is recommended to store the machine in the upright position as shown in the image.**
- **It is recommended to not use the machine in wet conditions.**
 - Tape will likely not stick well
 - Machine has metal parts that are prone to internal rust.
- **It is recommended to not disassemble the TM100 Taping Machine other than what is shown in this operations manual.**



Liability

Emery Game Line is not liable for the following:

- Damage to the surface in which the TM100 Taping Machine is being used on.
- Damage to the machine caused by user error.
- Poor quality of taped or painted lines.
- Injury caused by improperly using the TM100 Taping Machine.
- Residue left on surface from tape used in the TM100 Taping Machine.