



## **Rug tufting gun Instruction manual**

**Cut and loop pile versions  
non-pneumatic type**

# **Happy Tufting.**

**Thank you for purchasing a rug tufting gun.**

If you have any questions about the gun feel free to reach out.

[www.tuftinggun.com](http://www.tuftinggun.com)

**Tag me on your project on instagram!**

**@this\_is\_tim\_eads**  
and use hashtag **#tuftinggun**



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# Safety.

When threading the gun always turn off. It's best to unplug the machine so you don't accidentally turn it on.

Never operate while standing in water.

The machine should always be plugged into an outlet that is grounded.

# Specifications.

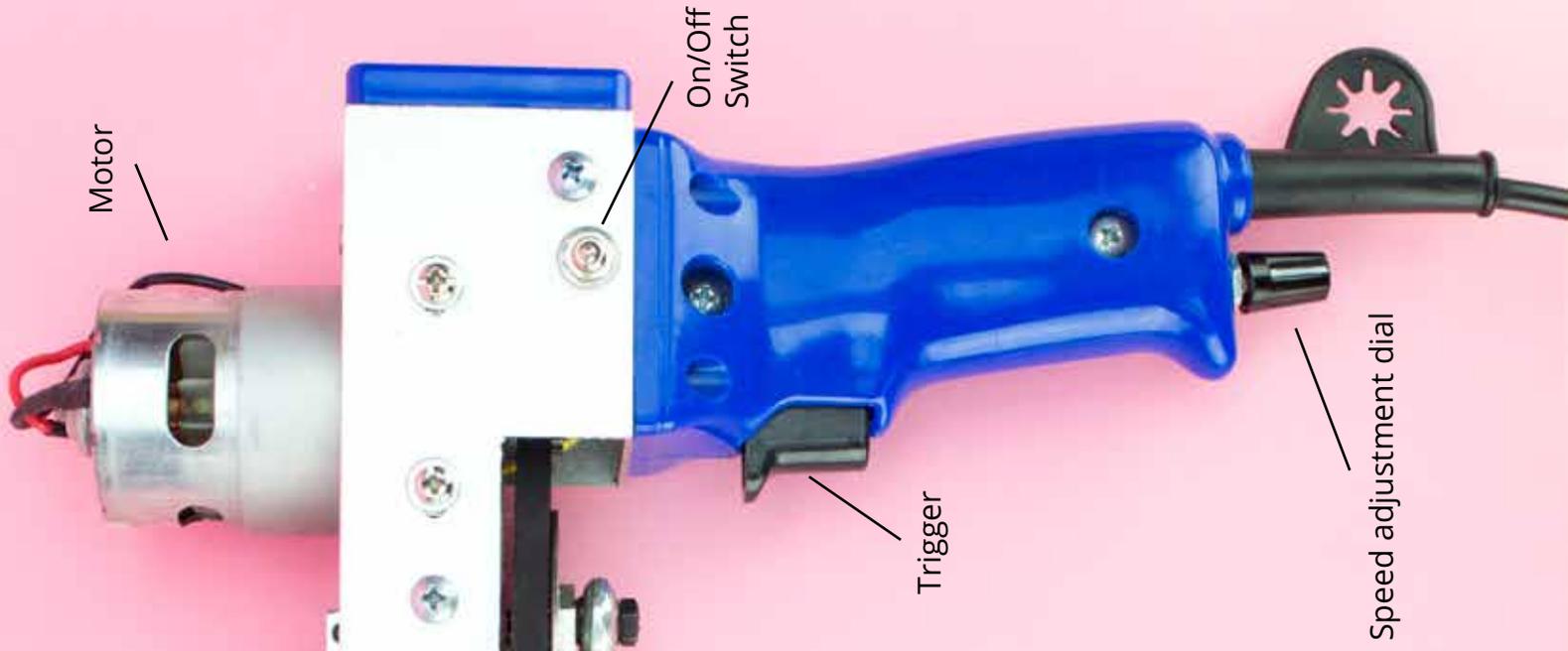
	Loop Pile	Cut Pile
<b>Pile height (adjustable)</b>	157" to .55" (4-14mm)	.157 to .82" (7-21mm)
<b>Speed Range</b>	5-45 stiches/sec	5-45 stiches/sec
<b>Weight</b>	3 lbs (1.4 kgs)	3 lbs (1.4 kgs)
<b>Universal voltage</b>	100- 240 V 50 - 60 HZ	100- 240 V 50 - 60 HZ

The AC/DC converter that comes with the machine can handle up to 240 volts AC (Alternating current). Household electrical power all of the world comes to your house as AC. The AC/DC adapter included with your tufting gun converts up to 240 volts AC power to 30 volts DC (direct current) needed for your tufting gun.

This type of convertor is found on many devices we use everyday like laptops and phone chargers

The only thing you need to complete the conversion is a plug adapter included with your gun.

Please note: The plug adapter include in the box does not convert voltage so will NOT work on all devices.



Motor

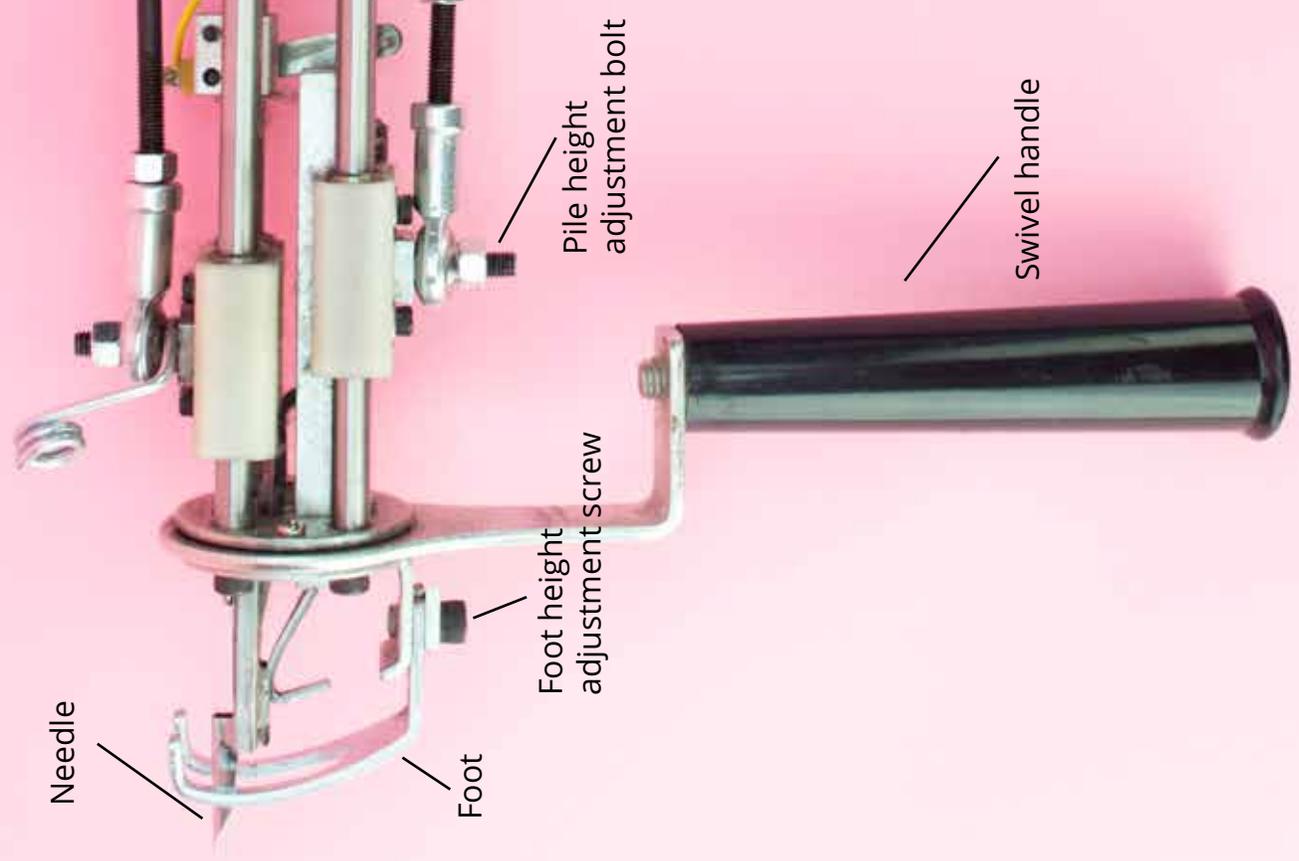
On/Off Switch

Trigger

Speed adjustment dial

# Components.

These are the same for both loop and cut pile guns.



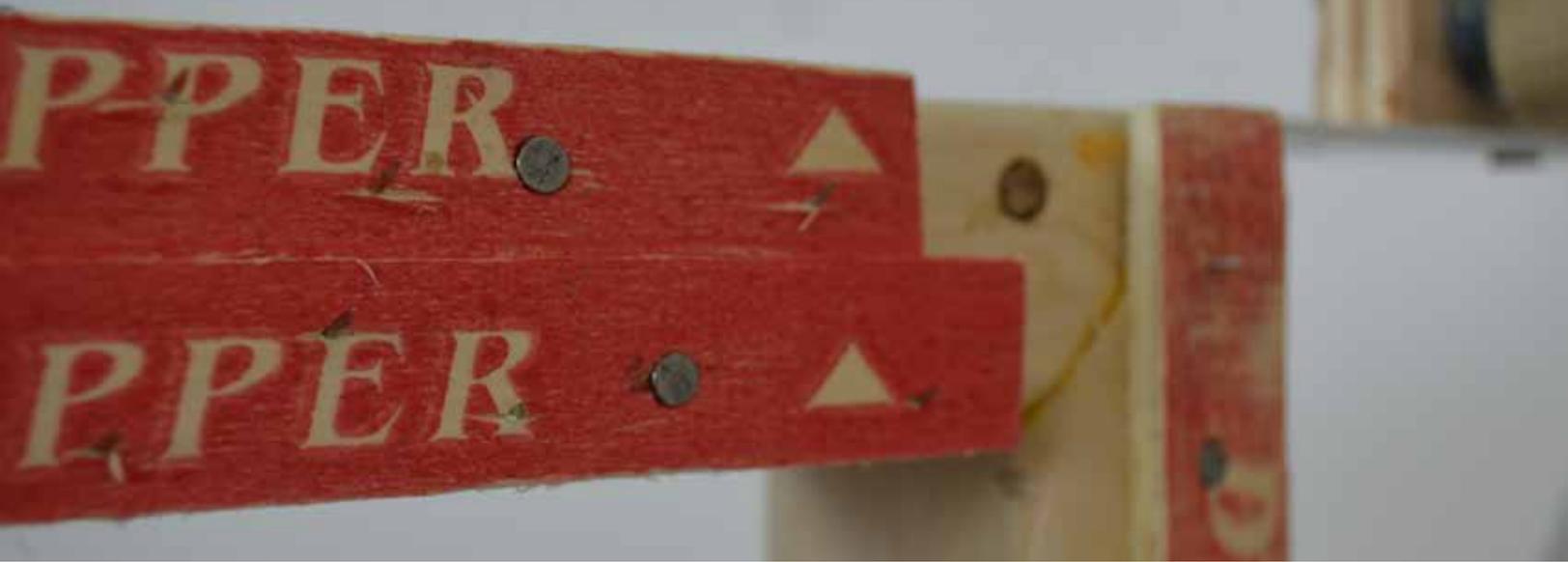
Needle

Foot

Foot height adjustment screw

Pile height adjustment bolt

Swivel handle



# Getting set up.

You'll need a frame to stretch your backing cloth on. The simplest, most effective method is to build a frame out of 2" x 4" framing wood found at your local hardware store. Carpet tack, also found at your hardware store, is then nailed to the edges so the backing cloth can stretch over the frame. This can be scaled to the size you desire. Here are images of my 48" x 48" frame.





# Yarn feeding.

This is as important as anything in your rug tufting world. Below left you'll see a simple version that's great for cones and some balls. It's simply a broom stick that glued into a wooden base. Below right you'll see another simple version that works well with round tube cones.



# Threading.

Seen here is the cut pile gun, but essentially the same for both guns. Thread should first be threaded through the rings, then the needle as seen below. A bent paperclip makes the process easier.

2.

1.



# Setting pile height.

**4.**

**1.**

**2.**

**3.**

This is completed in three simple stages, indicated below.

1. Loosen this bolt.

2. Loosen this bolt.

3. Loosen or tighten this bolt/bearing combo. This increases or decrease how deep the shaft pushes thread through the needle.

4. Loosen this bolt to adjust the foot height. This allows the needle to be pushed more, or less into the backing cloth. Closer to the gun and the height will increase, farther away and the pile height will decrease.

5. Put everything back.

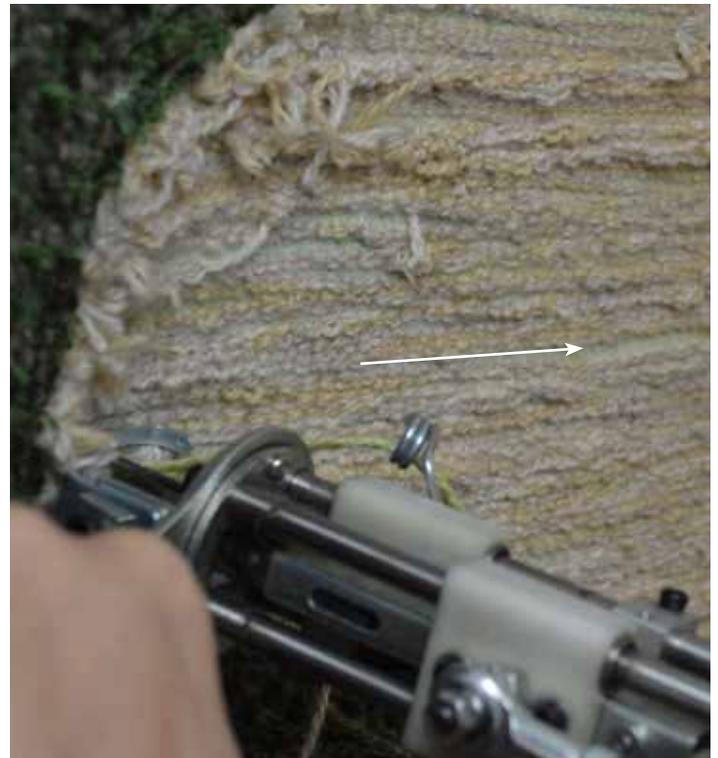
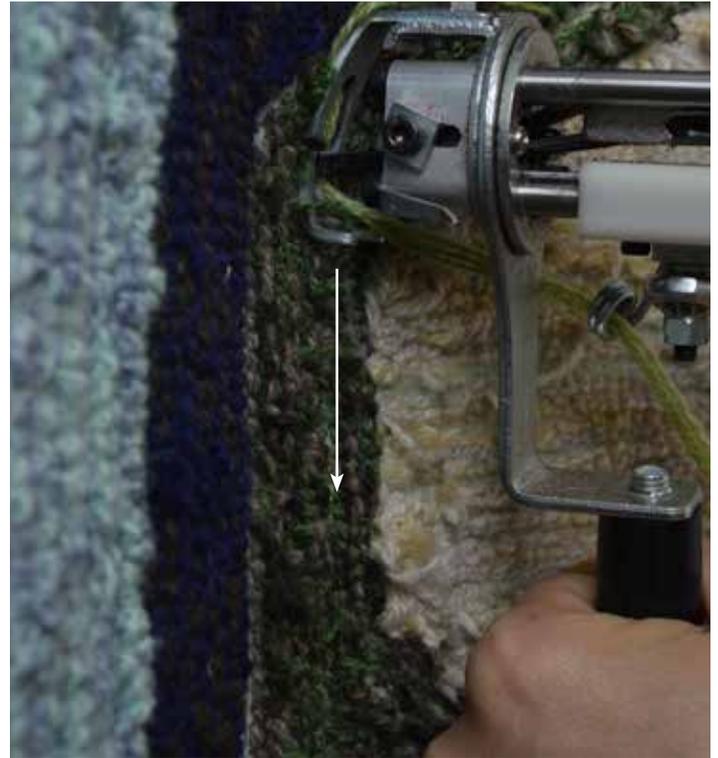
Video of this procedure is available on our website.



# Using your gun.

Gun direction: It's important to maintain the proper direction when operating the tufting gun. Incorrect direction will result in failed tufting. Note the direction the foot is facing.

Additionally, significant pressure must be applied to the backing in order for the tufts to be pushed to the front side of the rug.





# Let's get tufting!

Here's a step-by-step guide for rug completion. This assumes you have everything set up and ready to go.

1. Design your rug.
2. Choose yarn colors for corresponding areas.
3. Stretch your backing cloth over the frame as tight as you can.
4. Mark your design on the backing cloth. We use a sharpie marker. Your rug is tufted from the back of the rug so your design won't show through.
5. Label areas on the design the appropriate yarn colors. This helps when you're tufting.
6. Tuft your rug!
7. Apply adhesive and back fabric, if desired. Back fabric is not necessary unless you want to see the back of the rug. In many cases you might never see this. For example, the inside of a throw pillow or bag. A lining will cover this up.
8. Let dry and complete your project.

## Where to buy stuff?

### **Backing fabric.**

We suggest a high quality monk's cloth from [www.burlapfabric.com](http://www.burlapfabric.com)

### **Yarn.**

Any yarn will do including cheap acrylic yarns to high quality wool rug yarns. Multiple strands of yarn can be put through the yarn to achieve proper rug density.

### **Adhesive.**

We use 3095 Carpet Adhesive found at most hardware stores, but any glue will do like Elmer's and PVA. It will need to hold the yarn strands in the backing.