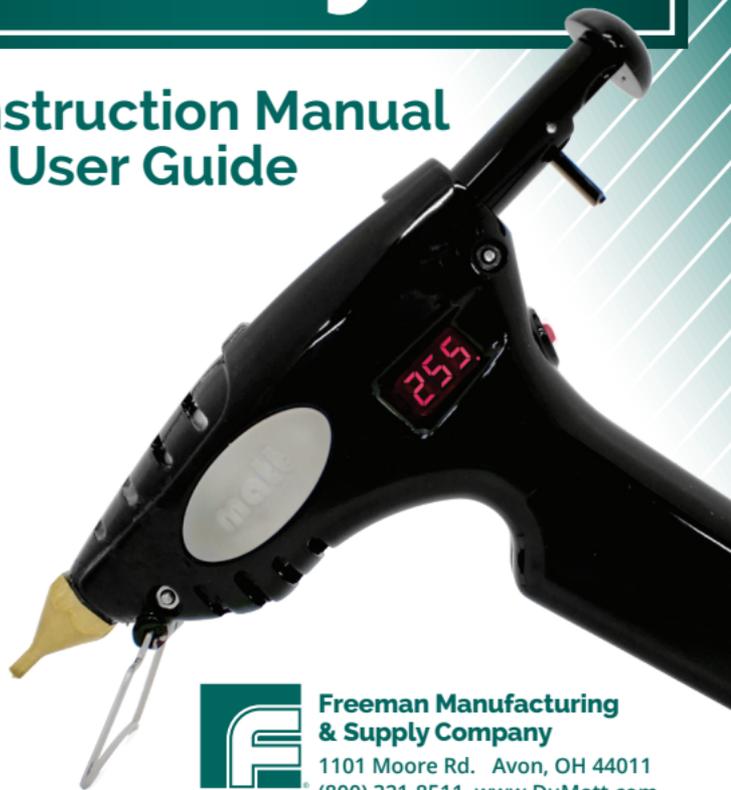


matt gun II

Instruction Manual & User Guide



**Freeman Manufacturing
& Supply Company**

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Matt Gun II Instruction Manual & User Guide Version 1.0

Liability/Warranty Statement

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About Freeman

Freeman is continuing the Du-Matt legacy of building quality tools with a redesign of this Matt Wax Gun, a tool that had remained unchanged since its creation by Adolfo Mattiello in the 1970's.

Adolfo is now retired and has entrusted his business to Freeman Manufacturing & Supply Company, a leader in the jewelry wax industry.

From Freeman President Matthew Turco

"Freeman is thrilled to bring this esteemed line of premium wax products into the company. With the Freeman-branded waxes, Ferris waxes, and Matt waxes now all under one roof, we will be able to extend these lines even further and continue to innovate for modern jewelry designers and manufacturers."

About the Matt Wax Gun II

The original Matt Gun has long been a jeweler favorite, with the ability to make jewelry patterns in a fun and unique way.

Freeman's wide variety of resources has allowed for further enhancements to this tool. The new Matt Wax Gun II offers improved longevity, repeatability, consistency, and safety with the features listed below.

- 9 Temperature Settings
- Digital Thermostat & Display
- Retractable Kickstand
- Plunger Assist Lever
- Automatic Shut-Off
- 110V & 220V Models Available
- ETL Listed & additional certifications



All the Products you Need

Matt Supply Box

Mfr. SKU #127803

*The essential kit to get you started
designing jewelry with the Matt Gun II!*

From Start...



4

The Matt Supply Box includes: hard wood ring mandrel with stand, alcohol lamp, metal wire, and red, blue & green wax pellets.

...to Finish



**Speedy
Wax Pen**
Mfr. SKU #127871

Sticky Wax
Available in Sticks and Beads



Sprue Wax
Available in Assorted Sizes and Formulas

Instructions for Use



Loading Wax

- Extend **Plunger** completely.
- Insert Wax Pellet of your choice into the **Loading Chamber**.
- See pages 10-14 for pellet-specific temperature recommendations.

Setting Temperature

- Plug in the gun and press the **Power Button**.
- Toggle through temperatures by pressing the **Temp. Button**.
Temperatures range from 250°-295° F (120°-147° C) in 5°F (3°C) increments.
- The **Heating Indicator Light** will blink while heating and will remain lit when the gun is ready to use.

During Use

- Push **Plunger** to extrude wax. Do not use excessive force.
- Press the **Power Button** to turn off gun. Keep gun upright with **Kickstand** fully extended until completely cooled.
Do not leave gun on side during use or while warm.
- The **Temp. Display** will blink to indicate automatic shutoff feature has been activated after 1 hour of use.
Press the **Power Button** to turn gun back on.

Troubleshooting & Tips

Problem	Solution
Air bubbles in wax patterns	Decrease temperature
Wax too firm	Increase temperature
Wax not firm enough	Decrease temperature
Wax oozing out of chamber instead of nozzle	<ul style="list-style-type: none">• Decrease temperature• Allow pellet in heating chamber to warm before adding additional pellet to loading chamber.

- Always unplug the gun before changing nozzles. Use a wrench and change nozzles only when the gun is warm (not cool or hot).
- Allow the gun to warm a wax pellet for 10-15 min. before extruding.
- Do not force wax out of heating chamber with excessive pressure. Instead, increase temperature until wax can be easily extruded.
- Use only a small bowl of water with the “Modeling on Water” technique. Do not use over tubs, sinks, or other large containers of water. The gun can be potentially dangerous if dropped into water.

Safety Instructions

- Keep out of reach of children.
- Do not use an extension cord or power strip with the Matt Gun II. Using a grounded wall outlet ensures accurate temperature levels.
- Do not use over tubs, sinks, or other large containers of water. The gun can be potentially dangerous if dropped into water.
- Do not use in wet or damp locations. For indoor use only.
- Do not use near flammable materials, vapors, solvents, etc.
- Never attempt to use any material other than the Matt Wax Pellets in the Matt Gun II. Permanent damage to the gun could result.
- Do not touch the heated nozzle of the gun nor the hot wax.
- Do not attempt to remove unused portion of a wax pellet from the Matt Gun II.
- Do not leave operating gun or hot wax unattended.
- Always be sure the gun is cool before storing.

Matt Green Pellets



This wax is used almost exclusively for **modeling on water** to create abstract forms. This formula was designed to flatten out when it comes in contact with water. The hotter the wax, the more it will “flare”. This wax becomes rigid after cooling.

Temperature Settings

280-295°F

138-147°C

10

The Matt Gun II is designed to inspire creativity - feel free to experiment outside the suggested temperature ranges.

Modeling on Water Technique



Temperature:
290°F (144°C)



Holding the Matt Gun II close to the water, extrude wax from the nozzle and allow it to fall into the water. Use the metal wire (included in Matt Supply Box) to aid in your design. Do not submerge the Matt Gun II.



Matt Blue Pellets



The blue pellets can be used at lower temperatures to **model on air**, as well as mid-range temperatures to **model on objects** such as mandrels or other wax patterns. This wax remains somewhat flexible after cooling.

Temperature Settings

250-270°F

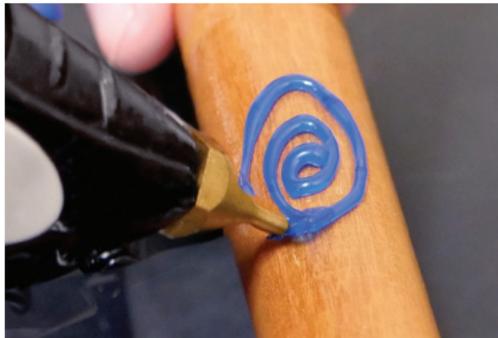
120-132°C

Modeling on Air Technique

Temperature:
250°F (120°C)



Modeling on Object Technique



Temperature:
265°F (129°C)

Matt Red Pellets



Designed to have excellent flexibility and strength, these pellets are perfect for the **wax weaving technique**. The pellets can be extruded into filaments, allowed to cool, then braided, knotted, or woven. This wax retains elasticity after cooling.

Temperature Settings

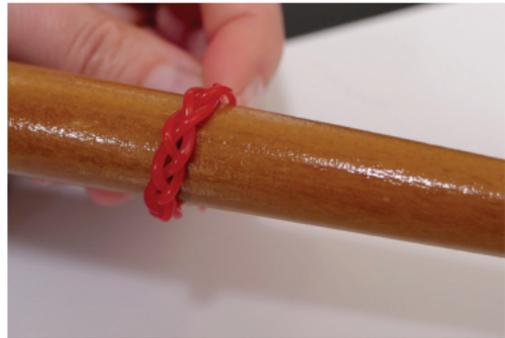
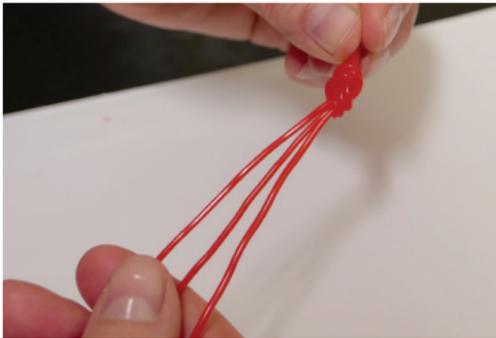
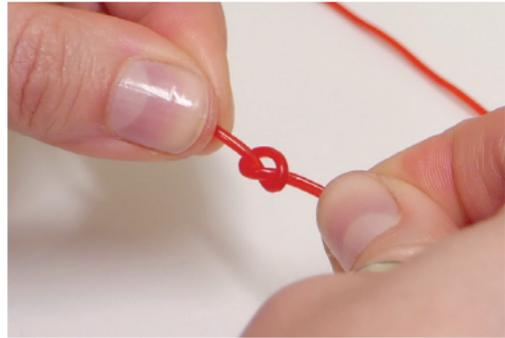
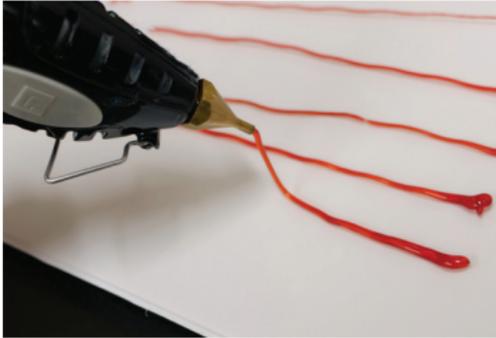
250-265°F

120-129°C

14

The Matt Gun II is designed to inspire creativity - feel free to experiment outside the suggested temperature ranges.

Wax Weaving Technique

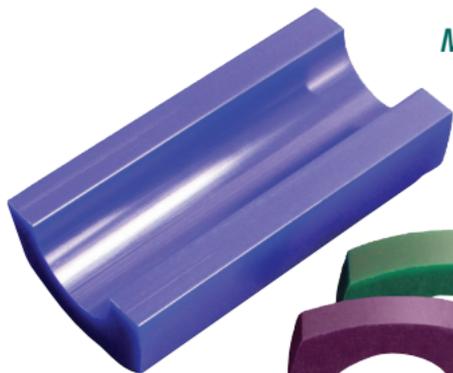


Temperature:
250°F (120°C)

Notes

Notes

Additional Waxes & Tools



Matt Wax Bracelet Bars
Available in Blanks or Slices

Matt Wax Ring Tubes
*Available in Assorted Styles,
Sizes, and Formulas*



Matt Templates
*Nine Styles Available for
Rings, Settings, and Bracelets*

Matt Wax Smooth Tablets

Available in Assorted Thicknesses



Matt Wax Slices

Available in Assorted Sizes



Additional Waxes & Tools



Wax Wires

*Available in ¼ lb. Spools,
½ lb. Spools, and Box Assortments*

Sticky Wax

Available in Sticks and Beads



Sprue Wax

Available in Assorted Sizes and Formulas



**Speedy
Wax Pen**
Mfr. SKU #127871



Matt Reamer
Mfr. SKU #127824



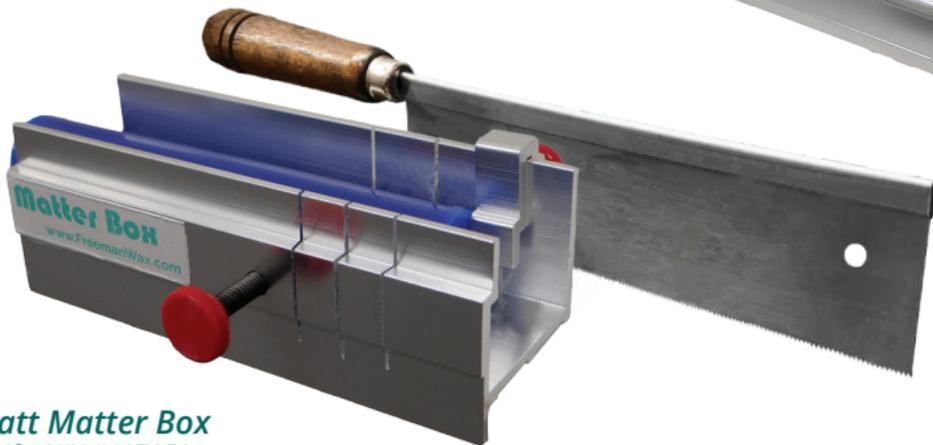
Matt Ring Sizer
US Sizing Mfr. SKU #127831
Euro Sizing Mfr. SKU #127832

Additional Tools

**Matt
Mini-Lathe**
US Mfr. SKU #127811
Euro Mfr. SKU #127812



**Matt Wax Rod
Centering Tool**
Mfr. SKU #127853



Matt Matter Box
Mfr. SKU #127851

Additional Tools

Matt Trimmer

US Mfr. SKU #127821

Euro Mfr. SKU #127822



Acknowledgments

Adolfo Mattiello developed the Matt product line of high-quality waxes and tools using his 30+ years of expertise as a jeweler, model maker, teacher, and author. His background in industrial and jewelry design provided a valuable dynamic in his approach to professional model making and wax working.



Freeman Manufacturing & Supply Company is proud to continue his impressive legacy and would like to offer the utmost gratitude for his life's work. Additional thanks to everyone who worked with and supported him throughout his career.

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