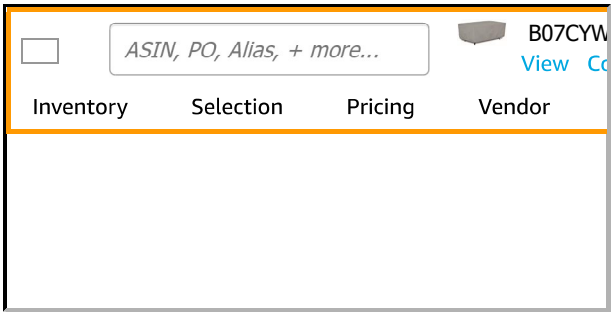


Makin's® Professional™ Ultimate Clay Machine® Tech Sheet

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Benefits

- Sturdy chrome-plated steel construction.
- Can be used with all types of clay.
- Extra wide 7" (180mm) rollers.
- Non-stick roller surface.
- Nine thickness settings.
- Settings conform to clay industry standards (#1 setting produces thickest sheets of clay, #9 setting produces thinnest sheets of clay).
- Optional motor.

General Uses

- Conditioning clay.
- Rolling clay into sheets of uniform thickness.
- Mixing two or more colors of clay.
- Faster and easier blending of acrylic paints into air-dry clays.
- Creating gradient color blends.

Tips and Techniques for Achieving Best Results with Makin's ® Professional™ Ultimate Clay Machine®

- The Ultimate Clay Machine® works best with Makin's Clay®. Results may vary if machine is used with brands of clay other than Makin's Clay®. Because we have no control over the manufacturing and distribution process of clays other than the Makin's ® brand (including but not limited to ingredients; formula; nor storage, shipping or handling methods), we cannot guarantee the quality or consistency of results you may experience using the machine with other clay brands. Your results may vary depending on brand of clay used. The information on this technical sheet is presented in good faith, but no warranty is given, nor results guaranteed.
- Before using machine for the first time, roll some disposable wipes through the rollers repeatedly to remove any residue from manufacturing.
- To use machine for easy conditioning of clay, flatten clay by hand or with brayer or acrylic roller to a thickness slightly greater than Setting #1. Fold and roll clay until it is soft and pliable. Do not force excessively thick or stiff pieces of clay through the machine as this may

cause damage to gears or rollers.
- To create thin sheets of clay, use progressively thinner settings. DO NOT attempt to roll clay at settings that are significantly thinner than thickness of clay.
- To change settings on machine, pull out numbered knob and turn to desired number. Release knob to lock in place.
- Always turn handle clockwise (away from you) to avoid damaging machine.
- Frequently wipe scraper blades to clean and remove clay build up using a moist towelette, disposable wipe, or soft cloth or paper towel saturated with rubbing alcohol.
- If excessive tearing, shredding, or rippling of clay occurs, dust clay with cornstarch, or sandwich clay between layers of wax paper, deli sheets, or baking parchment. Always use papers that are non-reactive with clay properties
- A homemade cornstarch dusting bag can be made using two pieces of cotton fabric cut into approximately 6 inch squares, positioned one on top of the other. Place about ½ cup of regular cornstarch in center of fabric square and bring all four corners of fabric up to meet. Fasten fabric just above cornstarch mound using string or elastic bands. When not in use, the dusting bag can be stored in small container or plastic sandwich bag.
- Shredding, tearing, and rippling of clay can also be minimized or avoided by allowing overly soft clay to "rest" for a few minutes before rolling through machine. This allows clay to "cool down" and stabilize and become firmer. Some clay brands may benefit from cooling with portable ice packs or brief refrigeration prior to rolling through machine. Check specific clay brand instructions for use of refrigerator for cooling clay.
- Remember, some clay brands are difficult to roll through clay machines at thin settings without tearing or shredding clay. Refer to books and online sources for more complete tips on producing thin clay sheets.

Note: Clay sheets that are very thin are prone to a condition called "even rippling," that is, indentation lines spaced at approximately ¼ inch intervals that are the same width as the clay, that coincide with the rotation of the machine's gears. This rippling can be seen with any brand of clay using any brand of clay machine. While there is no remedy for even rippling, following the tips and techniques listed above can minimize ripples. If ripples are visible in clay sheets and will affect the outcome of your project, a brayer or acrylic roller can be used to smooth rippling before applying sheet to project.

To Avoid Damaging Non-Stick Rollers

- Always roll clay through machine using progressive settings to avoid forcing rollers apart.
- When making repeated passes through machine with clay, alternate placing clay on left and right sides of machine to prevent misalignment of rollers and rippling of clay.
- Rolling clay with hard inclusions such as sand, beads, or mica flakes may scratch non-stick coating. However, clays containing manufacturer included mica powders, such as commercial polymer clays in metallic colors -- gold, silver, copper -- are safe for use with machine.
- Avoid placing clay sheets in freezer to cool before rolling through machine, as freezing can quickly occur and can damage non-stick rollers.
- Never use metal objects to dislodge clay from beneath rollers.

Cleaning Your Machine

- A moist towelette, disposable wipe, or soft cloth or paper towel saturated with rubbing alcohol is suitable for cleaning rollers and bottom scraper blades. DO NOT use abrasive cleaners on roller surface.
- Disassembling machine for cleaning or any other purpose is not recommended. However, if you choose to disassemble your clay machine, be sure to obtain instructions for reassembling it prior to disassembly.

Cautions

1. Always clamp machine to table to prevent tipping. If a motor is used, follow manufacturer's safety instructions.
2. Not for use with food.
3. Do not allow children to use machine unsupervised as opening between rollers may be wide enough for very young children to pinch their fingers.
4. Your results may vary if the machine is used with brands of clay other than Makin's Clay®.

WARNING:

Some professional clay crafters prefer to remove various pieces of their clay machine, especially the two metal pieces also called plates, fenders or guards from the top of the machine. However, at this time we believe the plates are necessary components and should remain intact. Please be advised that if you remove parts for the clay machine we cannot be responsible for the results. Be sure you know how to re-assemble the machine prior to removing parts or taking the machine apart for any reason.

Please note: Thickness settings mentioned in various clay tutorials may not always correspond to the thickness settings on the machine.

For more tips and techniques, and other great products from Makin's Clay ®, visit our website at: www.makinsclay.com .

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