

RING MAKER

Coral Ring + K22 Paste



copy natural texture
using quick silicone sheet

6 Rings



wear them however you
like it

Faceted Ring with Line
Carving



carved with V-shaped
gouge

Open Heart Pendant Head



a seamless open-heart is
possible with RINGMAKER!

Relief Ring by Stamping



make a relief ring with a
stamp, silicone mold and
RINGMAKER

Coral Ring Black



copy natural texture
using quick silicone
sheet

Button Textured Ring



various buttons, various
textures.

u-shape Half Round Ring



motif in between the two
rings

Oval Moon Earrings



simply warp flat rings
while the clay is soft

Coral Ring White



copy natural texture
using quick silicone sheet

Bead Pendant



size 29 will make a
perfect pendant top

Hammer-Textured Ring 2



we gave the hammer an
original texture

Disc Ring



pasting cut-out discs
makes this ring

Double Half Round Ring



for a more lux look..

Contrast Ring 2



patterned by mirror
surface/oxidization

Contrast Ring



the pattern is created by
different surface
finishing

Shinogi-Mon Ring



hold your breath while
carving the pattern!

Filed Ring



finished with a coarse
file

Ring Maker



PMC Connection
8910 Mikuni Ave, Northridge CA 91324

TEL 1-866-PMC-CLAY

FAX 1-818-993-7387

www.pmconnection.com

WHAT IS RINGMAKER?

With RINGMAKER, you can form rings easily, quickly and seamlessly out of PMC (precious metal clay). RINGMAKER is made of acrylic and is reusable. You can make as many as copies you wish of any sized/shaped rings. It is extremely easy to use. Once you've learned a few small tricks, you can fashion a perfect ring in no time.

The previously difficult and tiresome steps in making rings from PMC, such as smoothing out of the joint or forming a perfect circle, are no longer required with RINGMAKER.

There are two types of sets; one for half-round (the ring surface is round) rings and the other for flat (the surface is flat) rings. Both types come in four different mold sizes, which are 17, 21, 25 and 29. *Please keep in mind the sizes on RINGMAKERS are Japanese sizes.

Simple Ring with Simulated Gem



With a synthetic stone

Flower Head Ring



With flower motif

Ring with Beads



insert jump rings in the ring and fire it!

Bow Ring



With bow motif

Carving on Side Face



a thicker ring can be carved on the side face

Triple Oxidized Silver Ring



textured by hammering after fire

Carved Ring (Plant Motif)



free-hand carving

Wave Ring



finishing up by filing makes the shape more fluid

Mosaic Ring



very thin sheets of PMC are pasted like mosaic

Stone-Dotted Ring



multiple synthetic stones

Texturing with Pasty Clay



banding pattern with paste-like silver clay

Carved Heavy Ring



find an order in design to carve efficiently

Melon Ring



texture of cantaloupe skin

Texturing by Sanding Paper



with RINGMAKER, texturing is easier than ever

Floral Cross Ring



a copy of Chrome Heart's famous floral cross design

Ring with Charms



attach your favorite charms (jump ring is used)

Ring with Beads 2



double, triple rings take no time with RINGMAKER

Hammer-Textured Ring 1



we gave the hammer an original texture

Any Surface texture can be combined with RINGMAKER



With RINGMAKER flat ring set, you can make all-over textured rings just by inserting a sheet with any interesting texture (Japanese/embossed papers, sanding papers, etc., etc.) inside of the joint.

Using fast-drying silicone putty to copy texture



Spread the putty evenly over a cantaloupe, and you have your own cantaloupe ring!
(RINGMAKER flat ring set is used in this example.)

If you happen to have two middle blocks of the same size...



If you have two middle blocks of the same size, you can sandwich a piece of clay with them and quickly hollow it out.
(RINGMAKER flat ring set is used.)

Instant relief ring with stamp & silicone mold



By stamping on the silicone mold, you can make a quick relief ring. (The concave on the mold will be convex on your ring.)
(RINGMAKER flat ring set is used.)

You can make your own ring very easily with RING MAKER
Even if you have never done this before, you can easily fashion a seamless, beautifully molded ring out of clay in about 2 minutes.
Ringmaker lets you be creative with your own designs!!



Round Type



Pre-fire ---> Fired



Flat Type



Pre-fire ---> Fired

About RINGMAKER Half-Round Ring Set

It makes a half-round ring that is 4mm in width and 2.6mm in thickness.



Ring Maker Sizing Tips

If you are having difficulty determining the correct size Ring Maker you need you may find the following tips helpful.

1. Decide whether you wish to make a half round or flat ring. Half round rings are available in only one width, 4mm (approximately 5/32") and one thickness 2.6mm (approximately 1/10"). Flat rings are available in 3 widths 5mm (approximately 3/16"), 8mm (approximately 5/16") and 12mm (approximately 15/32"). These sets include a 2mm (approximately 5/64") thickness joint.
2. Determine the type and size Ring Maker required from the "Ring Maker Conversion Chart."
Ex. If you wish to make a U.S. size 6 half round ring you need a Size 17 half round Ring Maker. (This is all you need to make half round rings). If you wish to make a U.S. size 8 flat ring you will need a size 25 Ring Maker in either 5mm, 8mm or 12mm width).
3. If you wish to make a flat ring any thickness other than 2mm (5/64") You will need a Ring Maker joint set the same size and width of the Ring Maker you are using. The Ring Maker joint set contains ring joints for making rings 1.5mm (approximately 1/16"), 2.5mm (approximately 1/10"), and 3.5mm (approximately 9/64") thick. The thicker rings are especially useful if you wish to carve on the ring or a texture strip is to be used with the Ring Maker. Ring Maker joint sets are sold only in sets of three per size.

Various RINGMAKER Applications

Bending a half round ring while still in clay form



..will easily produce a wavy ring.

You can use this technique to make an open-heart without a seam!
(RINGMAKER half round ring set is used in this example.)

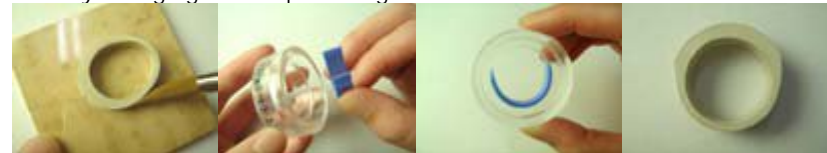
Bending a flat ring while still in a clay form



Placing a silicon sheet inside the joint will make it easy to take the clay out of the joint.

(RINGMAKER flat ring set is used in this example.)

Directly changing the shape of ring



If you'd like to have an uneven thickness around the ring for example, inserting silicon sheets where it needs to be thinner can achieve this effect. (RINGMAKER flat ring set is used in this example.)

Using a silicone mold



By making a silicone mold of another ring beforehand and setting it inside the joint, you can reproduce the ring in one go. (RINGMAKER flat ring set is used in this example.)

Common Problems & Solutions



Q. Removing the upper part, I found the upper edge of the ring missing or low-hanging..

A. You can prevent this by making sure to apply pressure from both sides until the middle block is completely inserted (STEP 07). Remember, pressure from both sides of the middle block at all times until it is inserted all the way..



Q. I got wrinkles/cracks in my ring..

A. It is likely that when you first rolled the clay into a ball there were some wrinkles, or the clay was too dry. If the wrinkle/crack is small enough, you can sand it off or, rub some clay into it after wetting the surface.



Q. My ring is burred..

A. By firmly keeping the mold together with one hand at STEP 04, you can almost completely eliminate burrs. If you still get them, you can remove them by hand, no problem.

Available products

ARTICLE
Half-round Ring Set sizes 17/21/25/29

*Half-round Ring Set comes in 4 sizes. Please select the size you need.

Ring Maker conversion Chart

RINGMAKER Japanese sizes	U.S. Size as Molded(unfired)	U.S. Size Range (after firing)
17	8	4 ½ to 6
21	9 ¾	6 to 7 ½
25	11 ¼	7 ¾ to 9
29	13	9 ¼ to 10 ½

*Please keep in mind that the sizes on RINGMAKERS are Japanese sizes. Use the [chart](#) to find the corresponding size for your country.

This table is based on using PMC3 and firing in an electric kiln at 900 degrees Celsius (1652°F) for 10 minutes. Different clay, firing device, temperature and/or firing time may produce different results than this table. We recommend firing with shrinkage stopper* in order to precisely control clay shrinkage.

Estimation of Amount of Clay Needed (When Using PMC3)

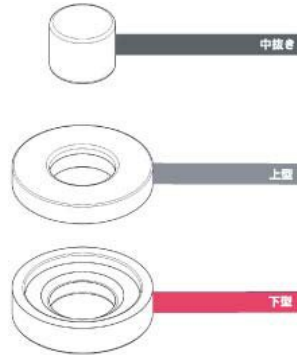
Because with RINGMAKER, a ring is molded out of a lump of clay, you will need a bit more clay in the beginning than the actual ring volume. Let the following chart help you in the preparation of clay. As you get more used to using RINGMAKER, you will need less beginning amount. The ring volume may slightly change depending on how you apply the pressure.

Half-Round Ring (RINGMAKER sizes)	Beginning Amount (grams)	Actual Ring Volume (grams)
Size 17	10	3.1
Size 21	11	3.5
Size 25	12	3.9
Size 29	13	4.3

How to Make a Half-Round Ring

YOU NEED:

RINGMAKER, PMC, oil, plastic wrap, sandpaper(s), file(s), and/or sanding sponge(s)



01.



In order to keep the clay from sticking to RINGMAKER, coat the inside of upper/base parts and the middle block with a thin layer of oil.

02.



Take a small piece of clay out of the package and within one minute, form into a seamless ball using a plastic plate etc. Flatten the ball a little to make a disc.

03.



Place the disc in the center of the base mold.

04.



Close the mold with the upper part. While pressing the mold together with one hand, push the clay into the ring-shaped space from the hole using both the thumb and the index finger of the other hand.

05.



Make sure that the clay is spread to all corners. If you see any spot where the clay is not reached, push further to eliminate the gap.

06.



Insert the middle block into the hole and turn the mold around so that the hole in the base faces you.

07.



When the inserted middle block touches the clay, start applying pressure from the other hole as well. Continue applying pressure from both sides until the middle block is completely inserted. This is the trick! By applying pressure from both sides at the same time, the ring is formed more perfectly.

08.



Collect the extra clay removed by the middle block, push down the middle block all the way and remove it from the mold.

09.



Remove the upper part by slowly turning it. Do the same with the joint. Leave the clay in the joint to dry. You can either just let it stand for awhile or use a hair dryer on a cool setting. Never use the dryer on a warm setting! It can deform the acrylic RINGMAKER.

10.



After the clay is somewhat dry, take it out of the joint and let it stand to dry completely.

11.



Smooth the surface of the completely dried clay with sanding papers, files and/or sanding sponges.

12.



Now you have the finished dry form! If you fire this now you will have a simple flat ring. You can use this "base" ring to make many different designs. The possibilities are infinite.. We recommend using a [ring shrinkage stopper](#) to control the shrinkage.

How to Make a Flat Ring YOU NEED:

RINGMAKER, PMC, oil, plastic wrap, sandpaper(s), file(s), and/or sanding sponge(s)

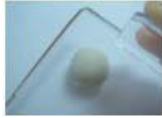


01.



In order to keep the clay from sticking to RINGMAKER, coat the inside of upper/base parts and the middle block with a thin layer of oil. Place a joint of chosen thickness inside the base mold.

02.



Take a small piece of clay out of the package and within one minute, form into a seamless ball using a plastic plate etc.

03.



Put the ball in the joint.

04.



Close with the upper part and hold the mold vertically. With both index fingers push in clay from the center hole into the ring-shaped gap.

05.



Make sure that the clay is spread to all corners. If you see any spot where the clay is not reached, push further to eliminate the spot.

06.



Push down the middle block in the center hole and hold the mold so that the hole in the base faces you.

07.



When the inserted middle block touches the clay, start applying pressure with your fingers from the other side of the hole as well. Continue applying the pressure from both sides until the middle block is inserted all the way through.

08.



Collect the clay removed by blocking.

09.



Slightly twist the upper part and trying not to touch the ring while removing.

10.



Leave the ring in the base and let it dry. You can either let it stand in the room temperature for a while, or use a hair dryer on a cool setting. When the clay is somewhat dry, take it out of the base and let it dry completely.

*Do not use the dryer on a warm setting, it will deform the acrylic RINGMAKER.

11.



Smooth the surface of the completely dried ring using Sand paper(s), file(s) and/or sanding sponge(s).

12.



Now you have the finished dry form! If you fire this now it will be a simple half-round ring. You can also play a lot with this "base" ring to make many different designs. The possibilities are infinite.

We recommend using a [ring shrinkage stopper](#) to control the shrinkage during firing.

Common Problems & Solutions



Q. When I removed the upper mold, the ring was attached to it.

A. This is not a problem. Just let the ring dry on the upper mold.



Q. I got wrinkles/cracks in my ring..

A. It is likely that when you first rolled the clay into a ball there were some wrinkles, or the clay was too dry. If the wrinkle/crack is small enough, you can sand it off or, rub some clay into it after wetting the surface.



Q. My ring is burred..

A. By firmly keeping the mold together with one hand at STEP 04, you can almost completely eliminate burrs. If you still get them, you can remove them by hand, no problem.

Flat Ring 12mm-wide	Beginning Amount (grams)	Actual Ring Volume (grams)
2.0mm-thick Size 17	18	9.8
2.5mm-thick Size 17	22	12
3.0mm-thick Size 17	25	14.8
3.5mm-thick Size 21	29	17.4
2.0mm-thick Size 21	24	10.2
2.5mm-thick Size 21	27	12.2
3.0mm-thick Size 21	31	15.4
3.5mm-thick Size 25	34	18.2
2.0mm-thick Size 25	26	10.6
2.5mm-thick Size 25	30	13.2
3.0mm-thick Size 25	32	16.4
3.5mm-thick Size 29	36	19
2.0mm-thick Size 29	28	11
2.5mm-thick Size 29	31	14
3.0mm-thick Size 29	33	17
3.5mm-thick Size 29	37	20.2

RING MAKER

Flat Ring 8mm-wide	Beginning Amount (grams)	Actual Ring Volume (grams)
1.5mm-thick Size 17	16	5.1
2.0mm-thick Size 17	18	6.4
2.5mm-thick Size 17	20	8
3.5mm-thick Size 17	23	11.6
1.5mm-thick Size 21	17.5	5.2
2.0mm-thick Size 21	19	6.6
2.5mm-thick Size 21	21.5	9
3.5mm-thick Size 21	25	12.4
1.5mm-thick Size 25	19.5	5.7
2.0mm-thick Size 25	21	7.4
2.5mm-thick Size 25	22	9.3
3.5mm-thick Size 25	26	13.4
1.5mm-thick Size 29	21	5.8
2.0mm-thick Size 29	22	7.6
2.5mm-thick Size 29	23	9.6
3.5mm-thick Size 29	28	13.8

RING MAKER

About RINGMAKER Flat Ring Set

There are three different ring widths; 5mm, 8mm and 12mm available for the Flat Ring Set. Each basic set includes a part we call "joint" which sets the ring thickness to 2.0mm. Additional three thickness (1.5mm/2.5mm/3.0mm) are available by using separately sold Joint Sets.

Available Products

Flat Ring Basic Set 5mm-wide
Which comes with a 2.0mm-thick joint

Sizes available in 17,21,25 and 29



Flat Ring 5mm-wide Joint Set
with 3 joints
(1.5mm/2.5mm/3.0mm)

Sizes available in 17,21,25 and 29



Flat Ring Basic Set 8mm-wide
which comes with a 2.0mm-thick joint

sizes available in 17,21,25 and 29



Flat Ring 8mm-wide Joint Set
with 3 joints
(1.5mm/2.5mm/3.0mm)

sizes available in 17,21,25 and 29



RING MAKER

Flat Ring Basic Set 12mm-wide - which comes with a 2.0mm-thick joint

Flat Ring 12mm-wide Joint Set with 3 joints (1.5mm/2.5mm/3.0mm)

sizes available in 17,21,25 and 29



sizes available in 17,21,25 and 29



*There are 2 kinds of sets; the Basic Sets and the Joint Sets. Both sets have 3 different ring widths; 5/8/12mm. Each width comes in 4 sizes; 17/21/25/29, which makes 24 Flat Ring items in all. Please make sure to select the width and the size you want.

*Joint Sets are not usable alone. You should first get a Flat Ring Basic Set and then find a Joint Set with the same width and size as the Basic Set.

Ring Maker Conversion Chart

RINGMAKER Japanese sizes	U.S. Size as Molded(unfired)	U.S. Size Range (after firing)
17	8	4 ½ to 6
21	9 ¾	6 to 7 ½
25	11 ¼	7 ¾ to 9
29	13	9 ¼ to 10 ½

*Please keep in mind that the sizes on RINGMAKERS are Japanese sizes. Use the [chart](#) to find the corresponding size for your country.

This table is based on a using PMC3 and firing in an electric kiln at 900 degrees Celsius (1652°F) for 10 minutes.

Different clay, firing device, temperature and/or firing time may produce different results than this table. We recommend firing with shrinkage stopper* in order to precisely control clay shrinkage.

RING MAKER

Estimation of Amount of Clay Needed (When Using PMC3)
Because with RINGMAKER, a ring is molded out of a lump of clay, you will need a bit more clay in the beginning than the actual ring volume. Let the following chart help you in the preparation of clay.

As you get more used to using RINGMAKER, you will need less beginning amount. The ring volume may slightly change depending on how you apply the pressure.

Flat Ring 5mm-wide	Beginning Amount (grams)	Actual Ring Volume (grams)
1.5mm-thick Size 17	7.5	2.9
2.0mm-thick Size 17	9.5	3.1
2.5mm-thick Size 17	10.5	5.4
3.5mm-thick Size 17	13	7.7
1.5mm-thick Size 21	10.5	3
2.0mm-thick Size 21	11.5	4.1
2.5mm-thick Size 21	12.5	5.5
3.5mm-thick Size 21	15.5	8.4
1.5mm-thick Size 25	11.5	3.4
2.0mm-thick Size 25	12.5	4.3
2.5mm-thick Size 25	14.5	5.9
3.5mm-thick Size 25	17	8.7
1.5mm-thick Size 29	13	3.5
2.0mm-thick Size 29	15.5	4.7
2.5mm-thick Size 29	16	6.1
3.5mm-thick Size 29	18	9.4