Dragon Glass

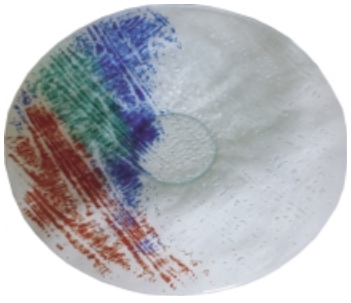
Dragon Glass Slumping Molds

designed for the
artist and the crafter

Dragon Glass

The Dragon Glass range of glass slumping molds has been designed specifically for both the artist and the crafter Dragon molds have several unique features:

SDF with enamel decoration



SDFF glass with frit pattern

• The raised "skirt" around the mold. This has the effect of raising the bottom of the mold off the shelf of the kiln, thus allowing even circulation of heat all around the mold and glass as it is slumping.

• The "skirt" has cut-out "handles" on each side, to facilitate easy lifting in and out of the kiln, and also to let the heat circulate beneath the mold.

• The "foot ring" or "foot" depressions in all the molds. This ensures that each piece of glass formed in a Dragon Glass mold, has a nicely finished base, with an evenly formed ring, or feet, to give it stability and a professional appearance.

• The molds all come with the holes pre-cast in, positioned to give optimum slumping results. These holes are made in the 'green-ware', so as not to stress the clay shape after it has been fired.

• The molds all have a wide rim at the top, to enable correct placing of the glass piece. This ensures even forming, and correct proportions to the finished articles.

The range of Dragon Glass molds is being constantly improved and increased.

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The customer acknowledges and confirms that:
• The molds are the production of many years of investment by Dragon Glass in time and money expended in the development of the molds purchased;
• The molds are unique to Dragon Glass;
• That the molds have been purchased for the sole purpose of utilising them for the production of slumped glass products;
• He/she undertakes that it will not take any steps to reproduce or procure the reproduction of the molds for utilising for any other purpose;
• Copyright in all drawings, plans and designs vests exclusively in Dragon Glass South Africa and Dragon Glass USA, Inc.
Failure to comply with this undertaking shall constitute a material and fundamental breach of the customer's obligations in terms of this agreement.

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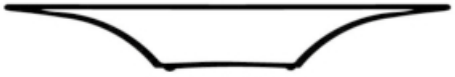
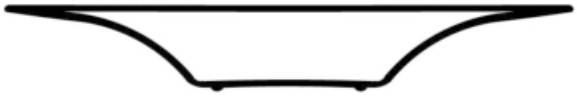
■ ROUND BOWLS, PLATE/DISH MOLDS

RCS
Reverse curve, small
20 cm dia. x 4 cm deep
(7.9" dia. x 1.6" deep)



RCM
Reverse curve, medium
34 cm dia. x 5 cm deep
(13.4" dia. x 2" deep)



RCL
Reverse curve, large
44.5 cm dia. x 6.5 cm deep
(17.5" dia. x 2.6" deep)

MFS
Multi flute, small
21.5 cm dia. x 3.5 cm
(8.5" dia. x 1.4" deep)

MFM
Multi flute, medium
34 cm dia. x 5.5 cm
13.4" dia. x 2.2" deep)

MFL
Multi flute, large
44.5 cm dia. x 7.5 cm
(17.5" dia. x 3" deep)

Note: Photos not to scale,use ruler as size guide

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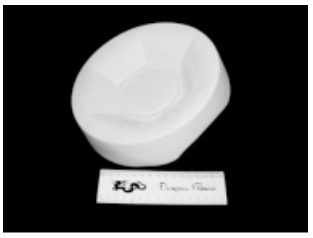
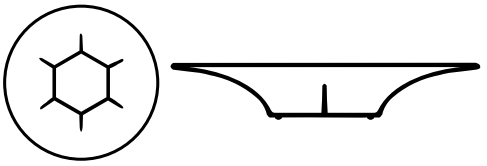
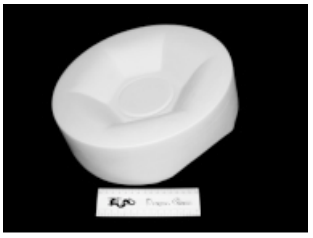
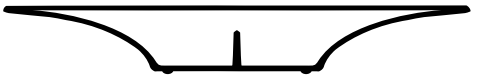




HEXS

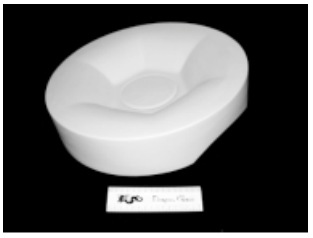
Hexagonal center bowl, small
22 cm dia. x 4 cm deep
(8.7" dia. x 1.6" deep)

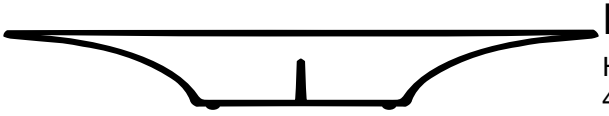




HEXM

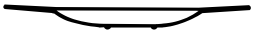
Hexagonal center bowl, medium
34 cm dia. x 5 cm deep
(13.4" dia. x 2" deep)





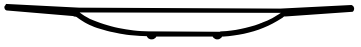
HEXL

Hexagonal center bowl , large
44.5 cm dia. x 6 cm
(17.5" dia. x 2.4" deep)



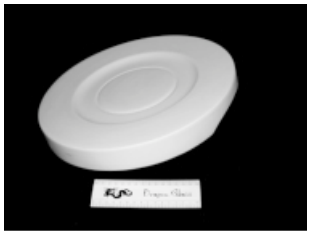
PLS

Plate, small - side plate
20 cm dia.
(7.9" dia.)



PLM

Plate, medium - dinner plate
28 cm dia.
(11" dia.)



PLL

Plate large - serving plate
39 cm dia.
(15.4" dia.)

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PLO

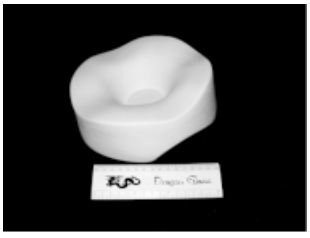
Plate oval - serving platter
42 cm x 28
(16.5" x 11")

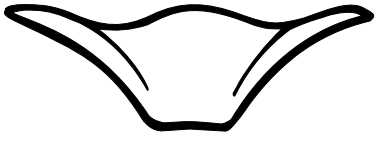
16FD

16 Flute deep
18.5 cm dia. x 4.5 cm
(7.3" dia. x 1.8" deep)

16FS

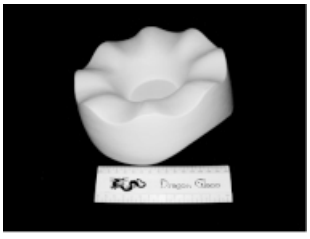
16 Flute shallow
20 cm dia. x 3.5 cm deep
(7.9" dia. x 1.4" deep)





4F

4 Flute
20 cm dia. x 6 cm
(7.9" dia. x 2.4" deep)



8F

8 Flute
20 cm dia. x 6 cm deep
(7.9" dia. x 2.4" deep)

PD19

Plain dish, small
19 cm dia. x 2.8 cm deep
(7.5” dia. x 1.4” deep)

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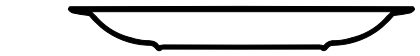
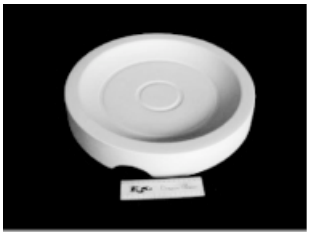


PD25

Plain dish, medium
25 cm dia. x 3 cm deep
(10" dia. x 1.2" deep)

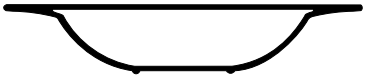
PD30

Plain dish, large
30 cm dia. x 3.5 cm deep
(11.8" dia. x 1.4" deep)



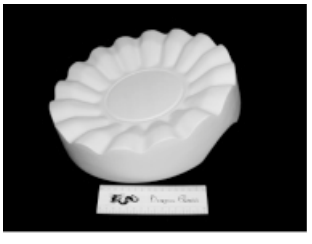
PD45

Plain dish extra large with extra footring
45 cm dia x 3.5 cm deep
10.2" dia x 1.4" deep



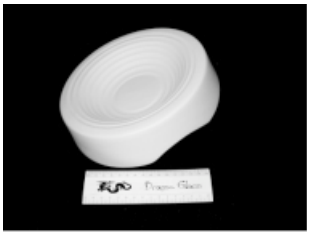
PB

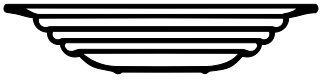
Pasta bowl
26 cm dia. x 4.5 cm deep
(10.2" dia. x 1.8" deep)



GB

"Granny" bowl - 16 flutes
33 cm dia. x 4 cm deep
(13" dia. x 1.6" deep)





CRS

Concentric rings, small
22 cm dia. x 4 cm
(8.7" dia. x 1.6" deep)

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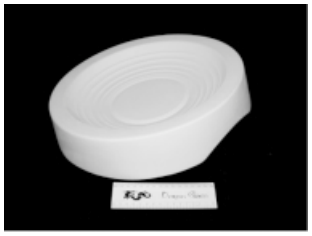
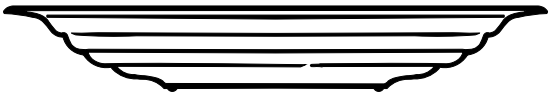
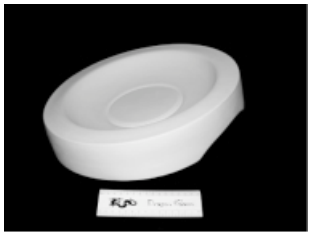




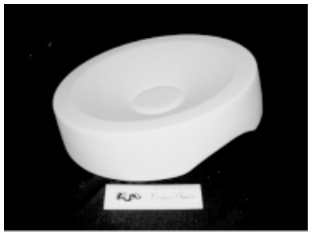
SC

Salad concentric rings
38 cm dia. x 5 cm deep
(15" dia. x 2" deep)



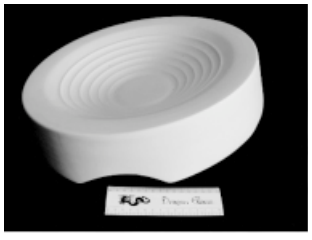
SP

Salad plain
38 cm dia. x 5 cm
(15" dia. x 2" deep)



CP

Conical plain
42 cm dia. x 6.5 cm
(16.5" dia. x 2.6" deep)

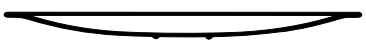


CC

Conical concentric rings
42 cm dia. x 6.5 cm
(16.5" dia. x 2.6" deep)

SDP

Satellite dish plain (no foot ring)
This bowl has no foot ring - designed to go on a stand
43 cm dia. x 4 cm deep
(17" dia. x 1.6" deep)



SDFM

Satellite dish with foot, medium
34 cm dia. x 2 cm deep
(13.4" dia. x 0.8" deep)

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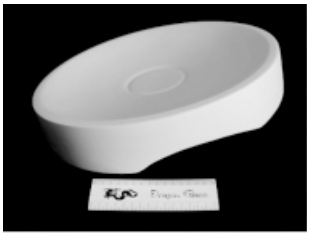
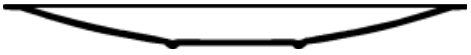
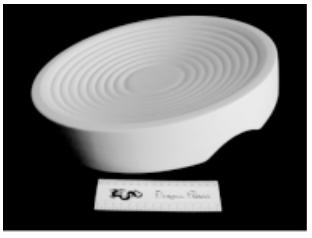


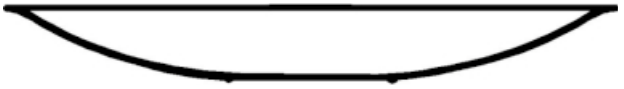


SDF
Satellite dish with foot
44 cm dia. x 4.5 cm
(17.3" dia. x 1.8" deep)

SDFF
Satellite dish flat with foot
44 cm dia. x 3.5 cm deep
(17.3" dia. x 1.4" deep)



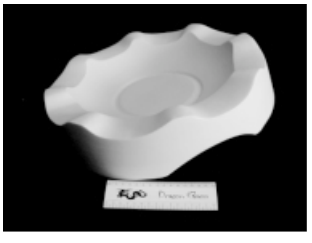
SDFR
Satellite dish with foot and concentric rings
44 cm dia. x 4.5 cm deep
(17.3" dia. x 1.8" deep)



XLSDF
Extra large satellite dish with foot
48.5 cm dia x 4.8 cm deep
19" dia x 1.9" deep

CTW
"CT" bowl with wide base
42 cm dia. x 4 cm deep
(16.5" dia. x 1.6" deep)

CTN
“CT" bowl with narrow base
44 cm dia. x 4.5 cm deep
(17.3" dia. x 1.8" deep)



8FL
8 Fluted rim bowl
42 cm dia. x 7 cm deep
(16.5" dia. x 2.8" deep)

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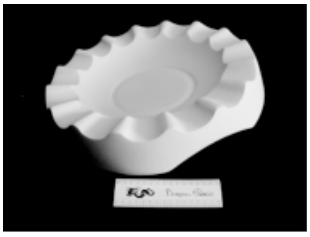
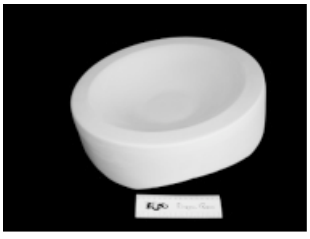


16FL

16 Fluted rim bowl
42 cm dia. x 7 cm deep
(16.5" dia. x 2.8" deep)

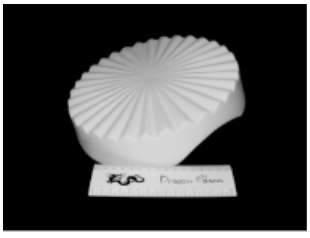
18FL

18 Fluted rim bowl
39 cm dia. x 6 cm deep
(15.4" dia. x 2.4" deep)



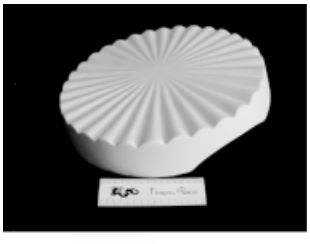
WWS

"WW" salad bowl or lamp shade.
This bowl has no foot ring - designed to be made as a bowl or a lampshade.
44 cm dia. x 8 cm deep
(17.3" dia. x 3.2" deep)



SCS

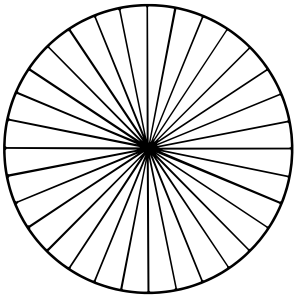
Suncatcher, small / Cake plate
24.5 cm dia
(9.6" dia.)



SCL

Suncatcher, large / Cake dish
39.5 cm
(15.6" dia.)

8FL



SCS, SCL

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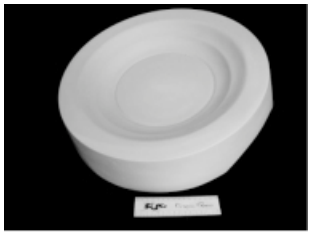
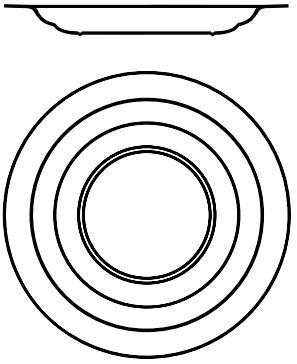
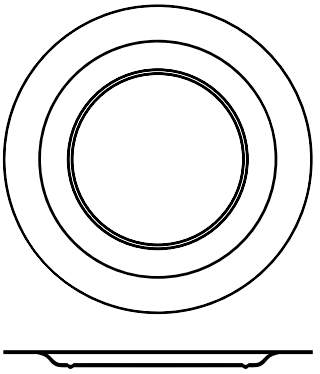




XLFB

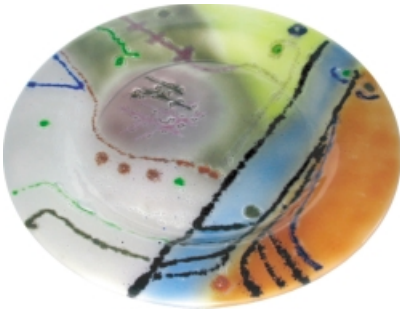
Extra large fruit bowl
with double drop
48 cm dia. x 5 cm deep
(18.9" dia. x 2" deep)



PLXL

Extra large 'Hostess' serving plate
or flat fruit bowl
48 cm dia. x 2 cm deep
(18.9" dia. x 0.8" deep)

XLFB with enamel decoration



PLXL with enamel decoration

PLXL with enamel decoration

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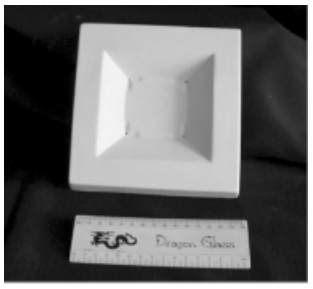
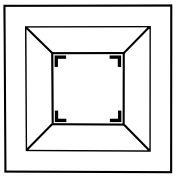
SQUARE & RECTANGULAR PLATE/ DISH MOLDS





Top view of square mould
showing “L” shaped feet

SQSS

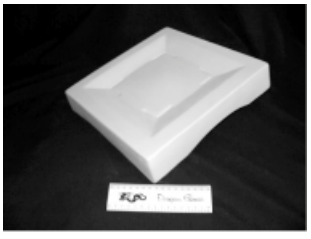
Super small square
16 cm square x 2 cm deep
(6.3” x 0.8” deep)

SQSSH

Super small square, shallow
16 cm x 1 cm deep
(6.3” x 0.8” deep)

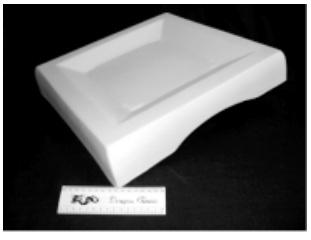
SQS

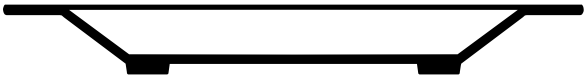
Small square
23.5 cm square x 2 cm
(9.3" square x 0.8" deep)



SQM

Medium square
30.5 cm square x 2.3 cm deep
(12" square x 0.9" deep)





SQL

Large square
39.5 cm square x 3.5 cm deep
(15.6" square x 1.4" deep)

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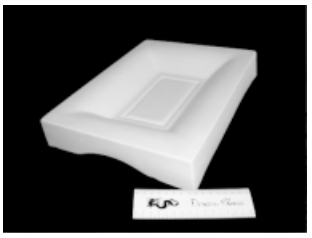
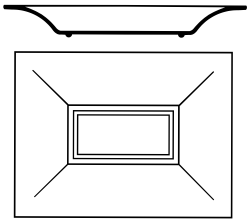
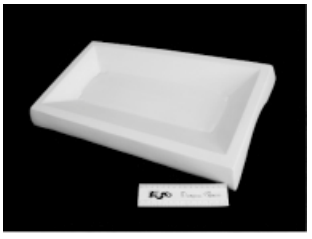
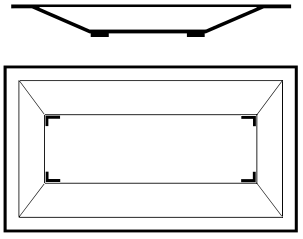




RECT

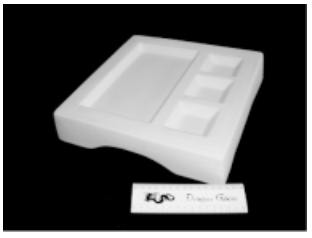
Rectangular mold
40 cm x 30.5 cm x 4.2 cm deep
(15.7" x 12" x 1.7" deep)

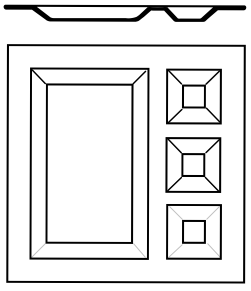




TRL

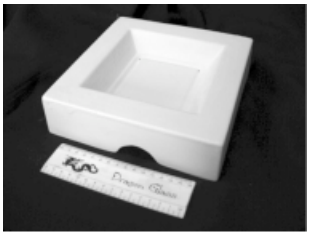
Large trencher
51cm x 29 cm x 3 cm deep
(20” x 11.4” x 1.2” deep)

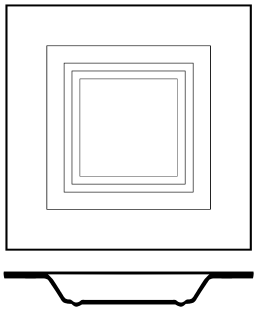




SUSHI

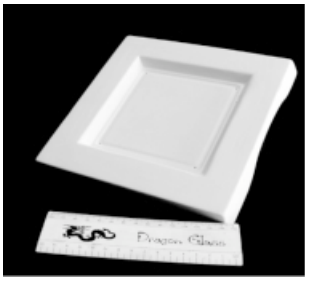
Sushi or snack plate
30.5 cm square x 2 cm
(12" square x 0.8" deep)

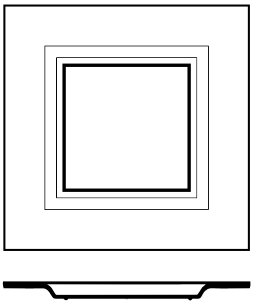




SQB

Square bowl
20 cm x 20 cm x 2.7 cm deep
(7.9" x 7.9" x 1.1" deep)





SQSPL

Square side plate
20 cm x 20 cm x 1 cm deep
(7.9" x 7.9" x 0.4" deep)

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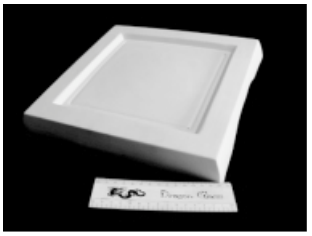
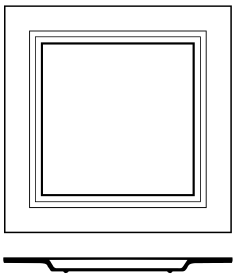
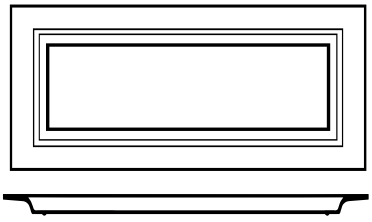




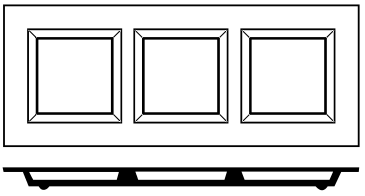
SQDPL

Square dinner plate
30 cm x 30 cm x 1 cm deep
(11.8" x 11.8" x 0.4" deep)



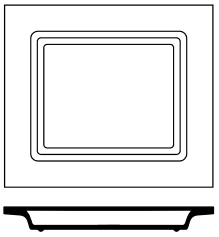
SQLD

Rectangular salad plate
30 cm x 14 cm x 1.5 cm deep
(11.8" x 5.5" x 0.6" deep)



3DLS

Small rectangular 3 division snack tray
30 cm x 12 cm x 1 cm deep
(11.8" x 4.2" x 0.4" deep)



SQSD

Soap dish, small snack tray or butter dish
14 cm x 16 cm x 1.3 cm deep
5.5" x 6.3" x 0.5" deep
2cm wide rim - 0.8"

SQM Bowl

RECT

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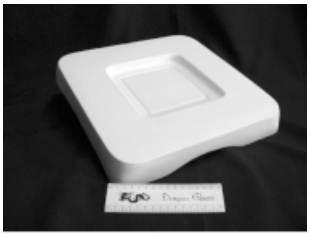
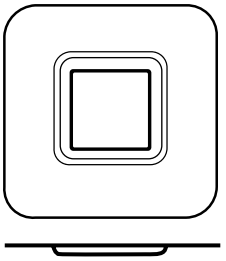
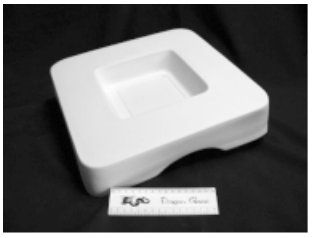
SQUARE PLATE/DISH WITH ROUNDED CORNER MOLDS

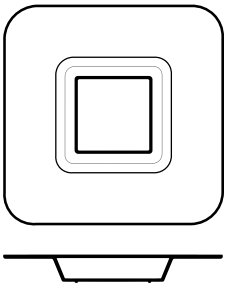




SQWSM

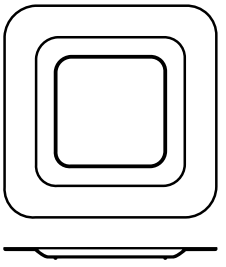
Square plate, medium
with 8 cm wide rim x 34 cm square
(3.2" wide x13.4" square)





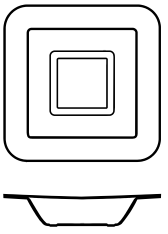
SQWDM

Square bowl deep, medium with 8 cm wide rim
(3.2" wide)34 cm square x 4.3 cm deep
(13.4" square x 1.7" deep)



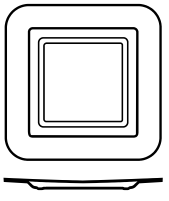
SQRM

Square plate with rounded corners
33.5 cm square
(13.2" square)



SQRB

Square round bowl
20 cm square x 4 cm deep
7.9" square x 1.6" deep



SQRBS

Square round bowl saucer
20 cm square
7.9" square

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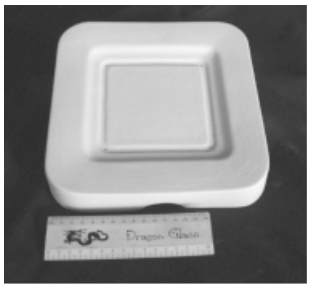
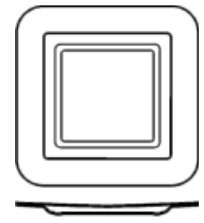
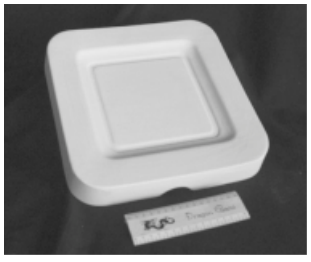
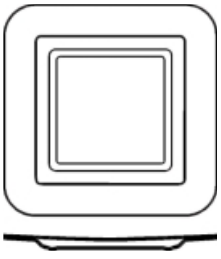


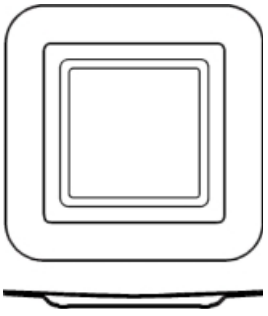


SQRSP
Square round side plate
23 cm square
9" square

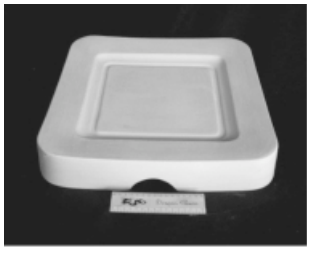


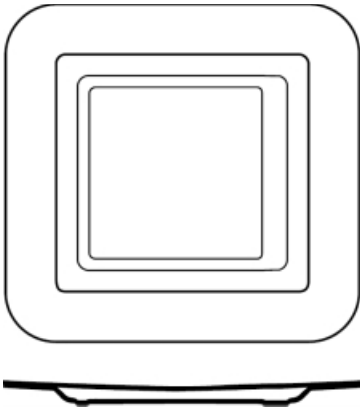


SQRDP
Square round dinner plate
29 cm square
11.4" square



SQRM2
Square round server plate
34 cm square
13.4" square





SQRL
Square round large server plate
44 cm square
17.3" square

Square dinner set

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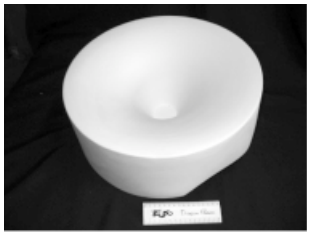
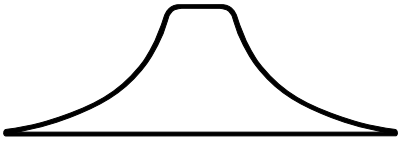
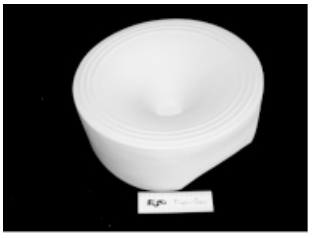
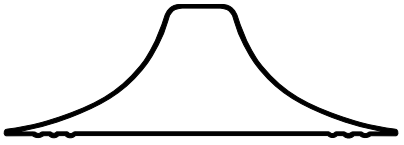
LAMP SHADE MOLDS



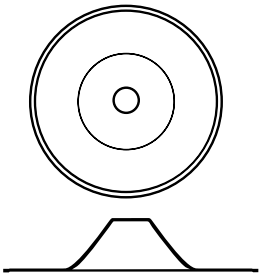


ULP
Uplighter lamp shade plain
44 cm dia. x 14.5 cm deep
(17.3" dia. x 5.7" deep)

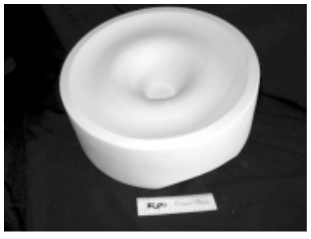


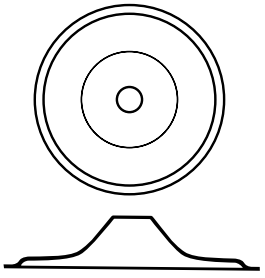


ULR
Uplighter lamp shade with ribbed border
44 cm dia. x 14.5 cm deep
(17.3" dia. x 5.7" deep)



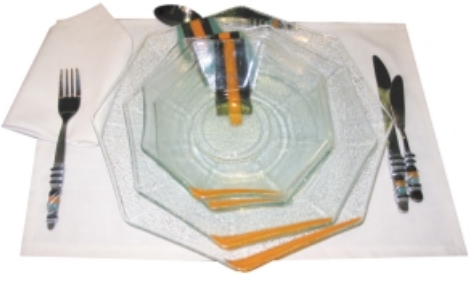
UFO1
Flat rim UFO style lamp shade
44 cm dia. x 9.3 cm deep
(17.3” x 3.7” deep)
1 cm wide rim – 0.4”





UFO2
Curved rim UFO style lamp shade
43.5 cm dia. x 11.5 cm deep
(17” dia. x 4.5” deep)

ULP Lamp shade



Octagon dinner set

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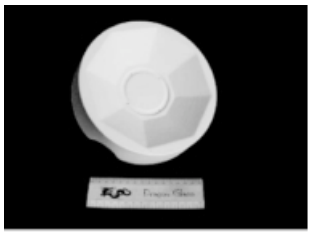
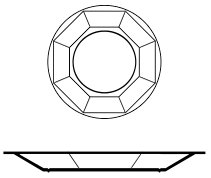
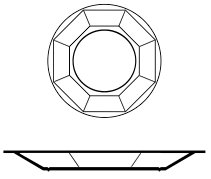
■ OCTAGONAL PLATE/DISH MOLDS





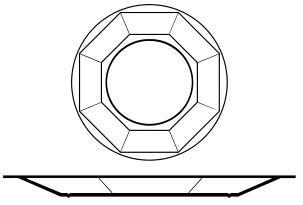
OCTB

Octagonal bowl
21 cm across round - 8.3"
18 cm across octagon x 3.3 cm deep
7" x 1.3" deep



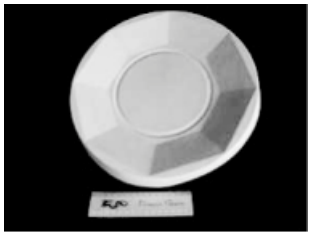
OCTS

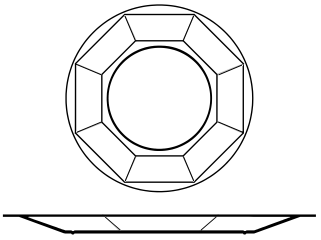
Small octagonal
20.5 cm across round –8”
18cm acros octagon x 2 cm deep
(7” x 0.8” deep)



OCTM

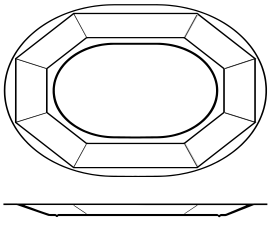
Octagonal, medium plate
27.5 cm across round 25 cm across octagon x 2 cm deep
(10.8" across round 10" across octagon x 0.8" deep)





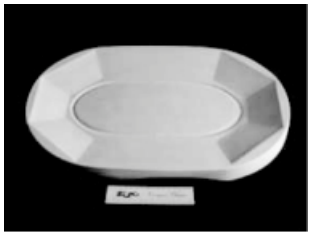
OCTL

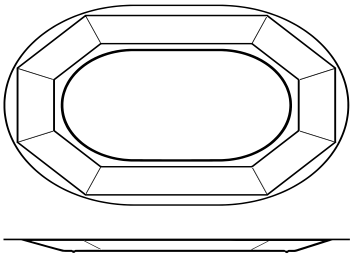
Large octagonal
32.5 cm across round – 12.8”
29.5 cm across octagon x 2 cm deep
(11.6” x 0.8” deep)



OCTO

Octagonal oval platter
41 cm x 28cm across oval
(16” x 11”)
38 cm x 25 cm across octagon
(15” x 9.8”) 2 cm deep
(0.8” deep)





OCTOL

Large octagonal oval platter
55 cm x 32 cm across oval
(21.7” x 12.6”)
52 cm x 29 cm across octagon
(20.5” x 11.4”) 2 cm deep
(0.8” deep)

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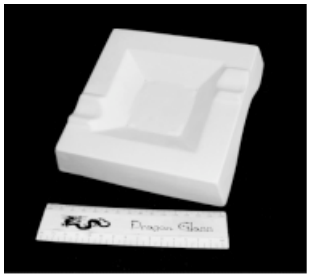
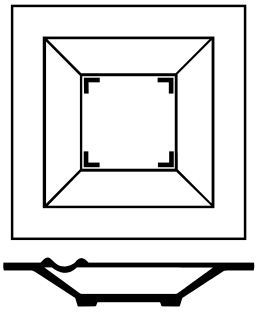
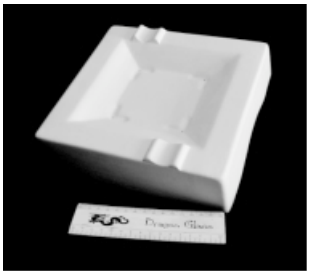
■ ASHTRAY MOLDS

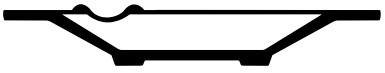




ASHS

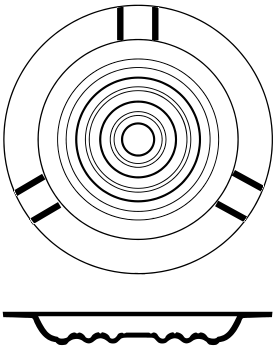
Small Ashtray
16 cm square x 2 cm deep
(6.3" square x 0.8" deep)





ASHM

Medium ashtray
23.5 cm square x 2 cm deep
(9.25” square x 0.8” deep)

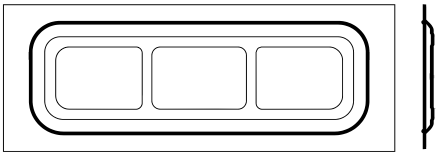


ASHR

Round cigar ashtray
31.5 cm dia. x 2.5 cm deep with 4 cm rim
(12.4” dia. x 1” deep with 1.6” rim)

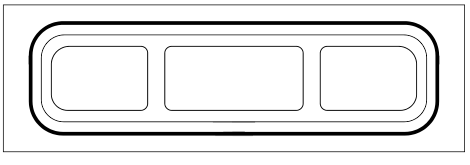
■ LONG SHALLOW PLATE/DISH MOLDS

Long shallow plates suitable for use as garlic bread plates or for savouries.



GPM

Garlic plate, medium
42.5 cm x 16 cm
Inside 12 cm x 36 cm x 1.2 cm deep
(16.7" x 6.3")
(Inside 4.7" x 14" x 0.5" deep)



GPL

Garlic plate, large
50 cm x 16 cm
Inside 12 cm x 44 cm x 1.2 cm deep
(19.7" x 6.3")
(Inside 4.7" x 17.3" x 0.5" deep)

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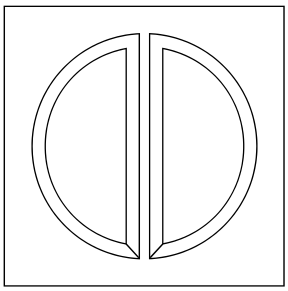
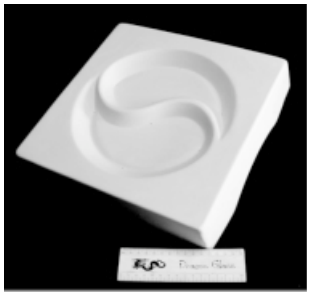
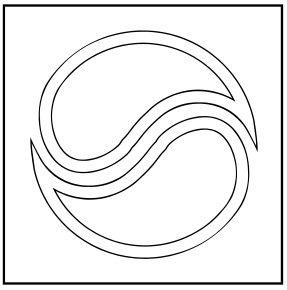


2DIVSQ

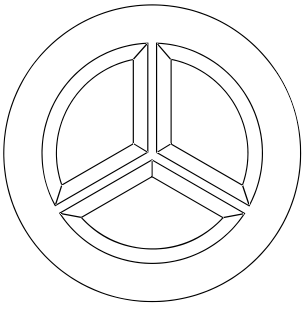
Square snack plate with 2 half-moon shaped divisions
31 cm square x 1.5 cm deep with
divisions 25 cm x 12 cm
(12.2” square x 0.6” deep with divisions 9.8” x 4.7”)





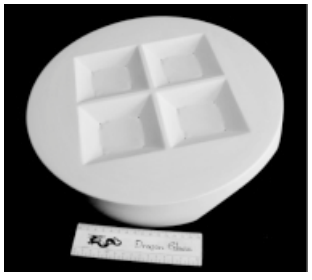
2DIVYY

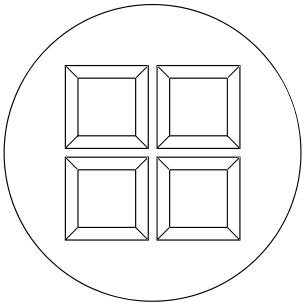
Square snacks plate with 2 “S” shaped divisions
31 cm square x 1.5 cm deep with divisions 25 cm across (12.2” x square x 0.6” deep with divisions 9.8” across)



3DIVR

Round snack plate with 3 equal shaped divisions
39cm dia. x 1.5cm deep with center 29 cm across
(15.4” dia. x 0.6” deep with center 11.4” across)





4DIVR

Round snack plate with 4 square divisions
39 cm dia. x 1.5 cm deep, divisions 11 cm square
(15.4” dia. x 0.6” deep, divisions 4.3” square)

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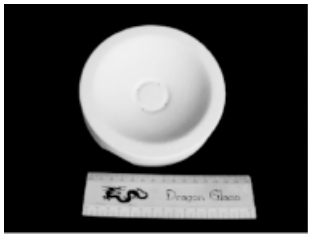
"120" MOLDS

This range of small molds has been grouped as the "120 range", although some are larger. A small "lens" circle cutter is required to cut the glass for those molds which are round. Ideal for using small scrap pieces of glass, and filling corners in the kiln. Suitable for sweets, desserts, sauces, butter, chocolates, soaps and bridal favours.

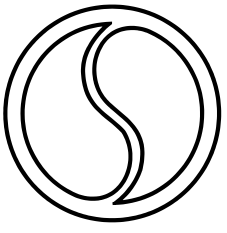
120 MRC
Mini reverse curve
13 cm dia x 2.6 cm deep
(5" dia x 1" deep)



120 MSAT
Mini satellite dish with foot
14.5 cm dia x 2.2 cm deep
(5.7" dia x 0.9" deep)

120FLU
Mini fluted rim
14 cm dia x 3 cm deep
(5.5" dia x 1.2" deep)

120 MPB
Mini 'pasta' bowl
14 cm dia x 2.8 cm deep
(5.5" dia x 1.1" deep)



120 YYS
Tiny condiment tray with
'yin-yang' shape divisions
12.5 cm dia x 1.8 cm deep
1 cm wide rim
(4.9" dia x 0.7" deep)

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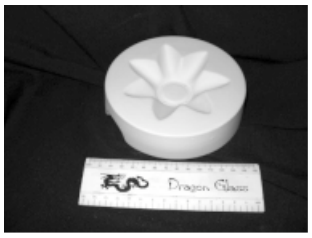
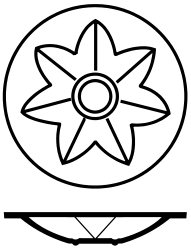
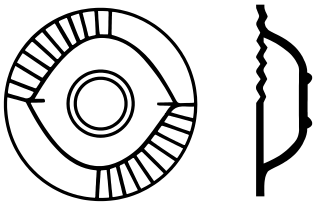




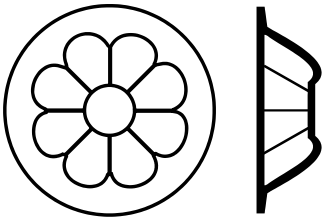
120 F

"Flower" center bowl or candle holder
14 cm dia x 2 cm deep
(5.5" dia x 0.8" deep)



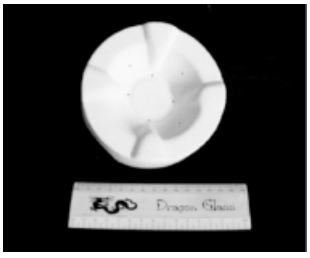
120 E

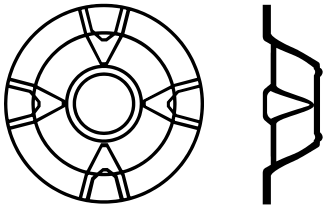
"Eye" shaped bowl
14 cm dia x 2.9 cm deep
(5.5" dia x 1.2" deep)
Uneven border with tiny fluted detail



120 J

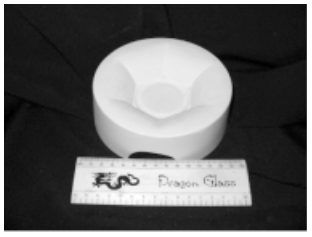
"Jelly" bowl
13 cm dia x 3.2 cm deep
(5.1" dia x 1.3" deep)

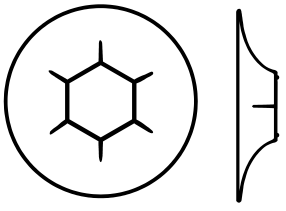




120 CC

Tiny bowl with
'Celtic Cross' center detail
13 cm dia x 3 cm deep
(5.1" dia x 1.2" deep)

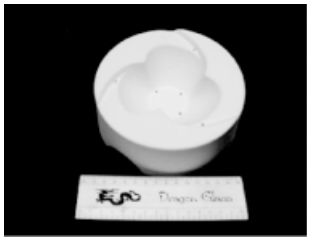




120 MHEX

Mini hexagonal center bowl
13 cm dia x 2.6 cm deep
(5.1" dia x 1" deep)

These 4 small molds all have rims that are fluted to accentuate their shape



120 P

Mini bowl with 'propeller' shaped curves to inside.
Uneven border accentuates flowing shape.
15 cm dia x 3.6 cm deep
(5.9" dia x 1.4" deep)

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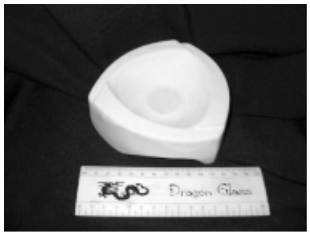
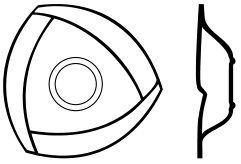
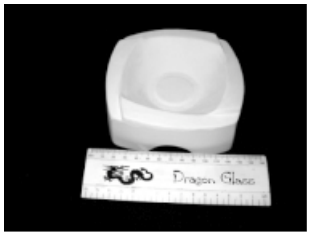
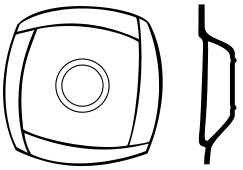




120 T

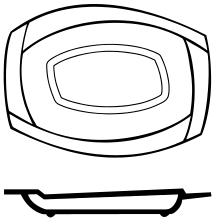
Rounded triangle shape with the flowing rim accenting the shape
13 cm across x 2.6 cm deep
(5.1" across x 1" deep)





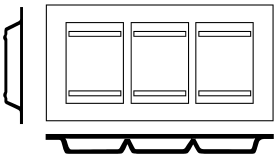
120 RSQ

Rounded square shaped bowl with the fluted rim to emphasize the shape
13 cm square x 2.6 cm deep
(5.1" square x 1" deep)



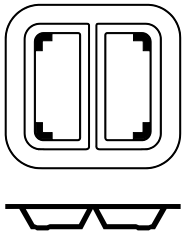
ROVAL

Rounded oval shape, with each side border slanted to form a fluted
appearance. Ideal as a soap dish.
17 cm x 12.5 cm x 1.6 cm deep
(6.7" x 4.9" x 0.6" deep)



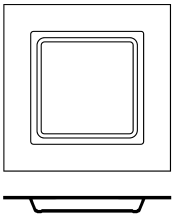
M3DIV

Mini 3 division tray suitable for condiments
19.5 cm x 10 cm x 1.7 cm deep
Divisions 4 cm x 5 cm
(7.7" x 3.9" x 0.7" deep)
(Divisions 1.6" x 2")



120 2DIV

Mini 2 division tray suitable for condiments or tea bags
13.5 cm x 13 cm x 2 cm deep
Divisions 10 cm x 5 cm
(5.3" x 5.1" x 0.8" deep)
(Divisions 2" x 1")



MSQ

Mini square suitable for condiments, candles, soap or individual butter dish
12 cm square x 1.2 cm deep
(4.7" square x 0.5" deep)

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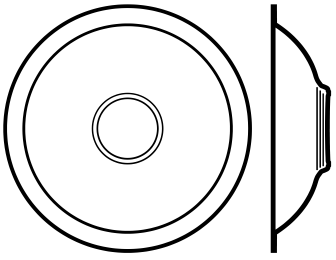
UVONGO BOWL WITH SOLID FEET MOLDS

Make fused and slumped bowls that look like furnace made pieces.

The "Uvongo" range of molds has been designed to create a thick solid "foot" on the finished product. At least 5 pieces of 4 mm thick glass should be cut to fit the foot depression, each slightly larger than the previous one to follow the flare of this portion of the mold. Place the top full size piece of glass on the mold, and fire to slump the top layer down to fuse to the 'foot' pieces. Allow a slow annealing down firing segment to accommodate the thick 'foot'.

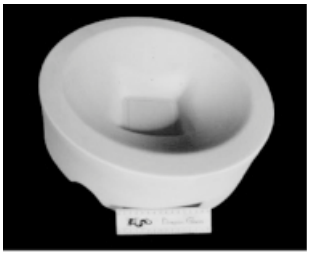
Striking effects can be obtained by creating 'layers' of color or decoration between the separate pieces of glass in the base of the bowl - a thick 'paperweight' appearance can be achieved!

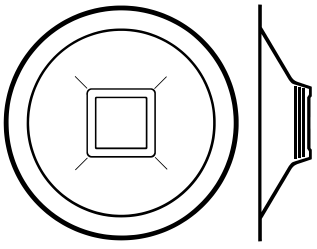
Depth of the finished bowl will depend on the thickness of the base formed. Top glass is best 5 or 6 mm thick.



UVR

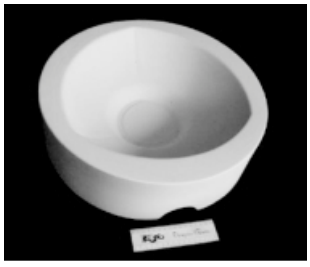
Uvongo round bowl
52 cm dia x 12.5 deep
(20.5" dia x 4.9" deep)

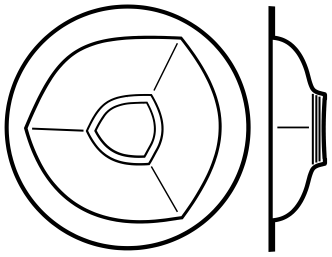




UVSQ

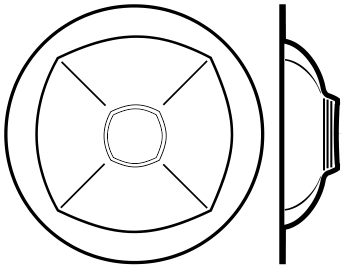
Uvongo round bowl tapering down to a square foot
45 cm dia x 10 cm deep
(17.7" dia x 3.9" deep)





UVTRI

Uvongo round bowl with 'rounded triangle' inside shape
48 cm dia x 11.5 cm deep
(18.9" dia x 4.5" deep)



UVSQR

Uvongo round bowl with 'rounded square' inside shape
49.5 cm dia x 12 cm deep
(19.4" dia x 4.7" deep)

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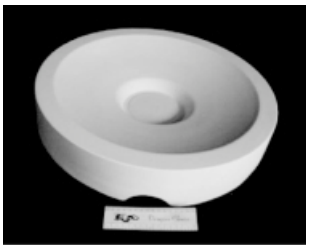
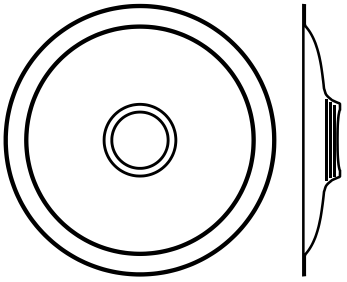
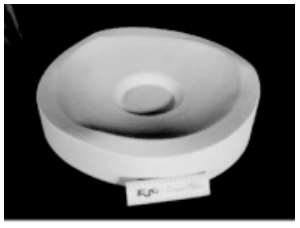
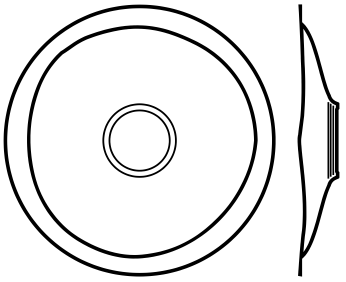




UVSAT

Uvongo satellite dish
53 cm dia x 7.5 cm deep
(20.9" dia x 3" deep)





UVW

Uvongo 'wavy' bowl, with softly flowing uneven rim rising to 3 peaks.
53 cm dia x 10 cm deep
(20.9" dia x 3.9" deep)

UVSQR Bowl showing foot

UVSQR Bowl

UVSQR Paint enamel decoration

UVR Showing foot

UVW Bowl

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■ Dragon Glass Videos

AN INTRODUCTION TO THE FUSING AND SLUMPING OF GLASS

The fascinating craft of fusing brought to you in an easy to follow format. Step-by-step instructions for kiln and mold preparation. How to make attractive and functional items using Bullseye colored glass or easily obtainable float glass. Shows a wonderful "gallery" of pictures including glassware and molds to inspire you to create your own masterpieces. This is a hobby that can be a successful home-based business. Satisfy your creative talents while earning money. These videotapes show you all you need to know to start this fascinating craft. Learn from the comfort of your armchair. Project patterns are included.

Tape one features how to prepare your kiln and molds for firing. Project one is a small colored bowl with a floral motif. Project two is a free standing fish ornament and more. Tape two shows how to make a large fish bowl with glass applique design, a small enameled bowl, a glass "basket weaving" and more. Two tapes. 1hr 57 mins.

ANSWERS IDEAS AND TROUBLESHOOTING KILN FIRED GLASS

A follow up to "An Introduction to the Fusing and Slumping of Glass", this video set expands on the basic warm glass techniques and also introduces other exciting methods indulging the use of drop molds, metal inclusions, multiple layers and Mother of Pearl Powder. The video provides detailed firing programs for various types of glass, plus down to earth advice on the use of pottery kilns for glass working. For the more expert glass worker, the tips and troubleshooting sections are invaluable reference material. Bubbles, avalanching, devitrification, too much glass, too little glass, attaching wire hooks – all the do's and don'ts are clearly demonstrated and explained. An essential item in every glass worker's library. Two tapes. 1 hr 27 mins.

ALL ABOUT MOULDS AND OTHER THINGS

This video offers the glass crafter a whole range of ideas on how to create exciting, different shapes using regular glass molds. The use of a range of refractory products for making unique moulds and freeform shapes is also covered. Two tapes. 2 hrs.

DECOUPAGE UNDER GLASS & ADVANCED BACK-GROUND TECHNIQUES

This is an instructional video with a difference, as it not only gives inspiration to the glass worker by showing how to create a ready market for hand made glass pieces, but also caters to the decoupage enthusiast desiring different and interesting approaches to existing methods. Decoupage and paint tips clearly explained and tips abound. From glue chip to gold leaf to Mother of Pearl Powders - both the novice and experienced crafters will find useful information on this video. One tape. 1 hr 25 mins.

FABULOUS FUSING WITH FLOSING GLASS

Fabulous fusing with flosing glass gives you vital techniques and product information to add vibrant color and three-dimensional effects to your slumped glassware. Shows you how to create bubbles when you need them. How to incorporate an intricate pattern or logo into a bowl and much more. A complete visual and creative workshop. How to use colored float glass compatible sheet glass. Instructions on how to apply colored glass paste and stringers. Step-by-step guide to using frit, paints and bubble powders. Use the ideas in the tape to create your own unique product range. One tape. 1 hr 3 mins.

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UV FIRING INFO

As this is really a fuse and slump combined, the firing is to a full fuse. We VERY seldom fuse first and slump later, 99% of our firings are done all in one on the mold to a full fuse temp of 1480F . Molds are designed to withstand these temperatures. Using firing programs that go up fast and come down fast, this is not ideal for the molds OR the glass! Our recommended firing schedules are below. Program 5 is ideal for float, and program 6 would be suitable for Bullseye.

We use float glass in the UV molds, cutting 4mm thick pieces for the base, enough to pile up to be level with the top of the foot depression. Usually 5 pieces. They are cut in 'steps' to follow the splay on the base area. In other words, the first piece might be 160mm across, the second is cut 165 across, 3rd piece 170 etc. This stops the top glass from rolling into the space that will be left between the foot pieces and the side of the mold as they are fusing.The foot pieces are washed and placed in the base. The top piece is best if is 5 or 6 mm thick. Decorate as desired and place this on the mold.

Remember if the mold has steep sides, the decoration pieces must be placed so they do not slide down the sides of the bowl as it is slumping!
The top piece will slump down, and fuse to the base pieces which have fused into a solid piece.

The UV range having the very heavy "foot" of glass, need to be annealed at a slow rate to allow for this thickness. No faster than 300F down to cold. Remember there is at least 20 to 25 mm of glass in the base!

The soft glass - Bullseye, Spectrum, etc. would have to have the top layer fused flat to make 6mm thickness before then stacking the base of the mold, and firing again to fuse and slump the top to the base. This might
have to be watched to judge the correct temperature, as the soft glass does behave differently depending on the color!

In the UV range, the UVSQR and the UVRTRI have steeper sides that the others, so to achieve the best with an applied design, a fused flat tile should be made first to avoid the shift and "avalanching" that could occur in the pattern pieces.

NOTES ON USE AND CARE OF DRAGON GLASS SLUMPING MOLDS

Dragon Glass molds are made from refractory clay, and so need to be treated with a certain amount of care. Dragon Glass molds do not have to be ‘burnt off’ before using, they are ready to use from the box.

When you receive your new mold, it needs to be wiped over with a damp sponge to remove any dust from the manufacturing process. This will ensure that the first layer of mold release/kiln wash will adhere properly to the surface.

The occasional high spot or depression can be sanded smooth with a bisque file, nail file or fine sand paper.

The molds can be dried in the kiln after washing and coating with mold release.

For top loading glass kilns i.e., shallow “coffin” type glass kilns with elements in the roof - dry on a fast ramp with the lid vented approximately 3 cm (1½”) until no more moisture is evident, around 250ºC to 300ºC (400ºF) Let kiln cool to around 180ºC (350ºF) before opening the lid wide. This is to avoid ‘shocking’ the molds. Fast ramp should be approx. 700ºC per hour (1290ºF) This applies to front loading kilns as well.

All clay molds must not be crash cooled below 650 ºC (1200F). IMPORTANT

When the kiln is in the down, or annealing cycle, it should not be opened hotter than 280ºC (535ºF), then can be opened 3 cm (1”), until glass can be handled without gloves.

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NEVER CRASH COOL A FRONT LOADING KILN!
NEVER CRASH COOL A TOP LOADER BELOW 650º C (1200ºF)

DO NOT MIX STAINLESS STEEL AND CLAY MOLDS IN A FIRING. DO NOT mix different types of CLAY molds in a firing, always make sure that all your molds are of the same manufacture in a firing.
MAKE SURE YOUR MOLDS AND/OR SHELVES ARE KILN WASHED AND DRY EACH TIME YOU USE THEM!

When using molds ULP and ULR (large uplighters) and satellite dish, for the slump firing - use a program with a slightly lower top temperature - e.g. 785ºC (1440ºF) Using a hotter firing (800ºC - 1470ºF) will cause glass to avalanche' down the mold, also use when doing "appliqué" enamel decoration in these molds.

Molds ONLY need to have the kiln wash layer removed when it is too thick to give a good impression to the glass. It will chip and flake when too thick, and also start to "fog" the glass when the layers are too thick. SOAK the mold in water, and then remove the layer CAREFULLY with an old credit card or similar plastic scraper, (not metal) until back to a clean clay surface. MAKE SURE you DRY the mold before using it, or the steam generated in the clay could burst the mold.

ULP, ULR, UFO1, UFO2, PLXL, XLFB, are all better with 6 mm (1/4") or thicker glass.

Kilns which are deep enough to have more than one layer of molds should be stacked carefully to avoid extra heat build up. The stacking of the shelves should allow for a space equal to the height of the mold before the next shelf is placed. Care should also be taken not to have the shelf props touching the mold skirt, which could cause "hot spots".

Molds should be stored flat, and if stacked, should have like sizes together, face-to-face only. Do not put smaller molds inside large ones, this could chip and damage both molds! The original packing box is also an ideal storege box.

Do not carry molds by only one side of the skirt, use both hands to support the entire weight of the mold. This is why the 'hand-holds' are cut into the skirt! This also applies particularly to the large diameter molds.

When washing off old layers of kiln wash, take great care not to lean too hard on the skirt of the mold while scraping the surface, this could cause minute cracks to form from the undue pressure, and the mold could then crack in the next firing. Remember that the weakest point is where the handholds are cut out, the skirt is narrower because of this.

When loading a kiln, take care not to push the molds against each other with undue force, or bump them against anything hard, as this could chip or crack them.

Regardless of the fact that all this sounds as if the molds are fragile, with the proper care and attention, they will give you a long and reliable service!

Due to the nature of the materials used for making the molds and the method of forming, a small difference in finished size can be expected from time to time.
Please check the size of molds before cutting glass. Glass should not be cut larger than the mold.

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Firing Schedules

Window Glass - Kiln Carving and/or Painted *Single Layer* Projects -flat firing - NOT slump Program 1	Time (minutes)	Degrees C per hour	Degrees F per hour	To Temp C	To Temp F
Start	0				
1st Ramp		450	840	480	900
2nd Ramp		500	930	845	1550
Soak	2				
Down Ramp		225	430	30	90

Kiln must be opened to check piece for visible maturity. **Single layer projects will needle point if over fired.**

Slump for Bullseye Glass - diameters up to 33 cm Program 2	Time (minutes)	Degrees C per hour	Degrees F per hour	To Temp C	To Temp F
Start	0				
1st Ramp		400	750	430	800
2nd Ramp		450	840	765	1400
Soak	± 5 minutes. Kiln must be opened to check piece for visible maturity.				
Down Ramp		250	480	30	90

Slump for all size Bowls - Window Glass ****** Program 3	Time (minutes)	Degrees C per hour	Degrees F per hour	To Temp C	To Temp F
Start	0				
1st Ramp		400	750	430	800
2nd Ramp		650	1200	785	1440
Soak	± 5 minutes. Kiln must be opened to check piece for visible maturity.				
Down Ramp		300	570	30	90

****** **Use this programme for the satellite dish to avoid glass "avalanching"**
Use also for "applique" enamelling. Will give a 'partial' fuse - pieces not fully melted

Window Glass - Fusing Two Layers, Kiln Carving and/or Painting Program 4	Time (minutes)	Degrees C per hour	Degrees F per hour	To Temp C	To Temp F
Start	0				
1st Ramp		425	790	500	930
2nd Ramp		503	935	845	1550
Soak	± 5 minutes. Kiln must be opened to check piece for visible maturity.				
Down Ramp		260	500	30	90

Fusing Bullseye Glass - Smaller than 33 cm diameter ** Program 5	Time (minutes)	Degrees C per hour	Degrees F per hour	To Temp C	To Temp F
Start	0				
1st Ramp		450	840	480	900
2nd Ramp		510	950	800	1470
Soak	± 5 minutes. Kiln **must** be opened to check piece for visible maturity. Proceed to down ramp if desired finish achieved.				
Down Ramp		150	300	30	90

Do not use this program for fusing accessory glasses, eg Mardi Gras/Fractures & Streamers. Use program 6 for this glass type.

** **Can also use for slumping large single layer window glass - moulds larger than 300 mm use 4mm glass. This will give a full fuse in "applique" enamelling.**

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Fusing Bullseye Glass - Larger than 33 cm diameter Program 6	Time (minutes)	Degrees C per hour	Degrees F per hour	To Temp C	To Temp F
Start	0				
1st Ramp		160	320	525	970
2nd Ramp		400	750	800	1470
Soak	± 5 Kiln **must** be opened to check piece for visible maturity. Proceed to down ramp if desired finish achieved.				
Down Ramp		150	300	30	90

NOTE: Accessory glasses, eg Mardi Gras/Fractures & Streamers **must** be fired slowly.

Paper burn off Program 7	Time (minutes)	Degrees C per hour	Degrees F per hour	To Temp C	To Temp F
Start	0				
1st Ramp		900	1650	650	1200
2nd Ramp		900	1650	700	1300
Soak	0				
Down Ramp		900	1650	30	90

Kiln can be opened 3 cm to cool quickly when at 400°C / 750°F has been reached.

Slump Bullseye Glass - larger than 33 cm Program 8	Time (minutes)	Degrees C per hour	Degrees F per hour	To Temp C	To Temp F
Start	0				
1st Ramp		160	320	525	970
2nd Ramp		400	750	750	1380
Soak	± 5 Kiln **must** be opened to check piece for visible maturity.				
Down Ramp		150	300	30	90

Firing Lustre paints on to completed pieces Program 9	Time (minutes)	Degrees C per hour	Degrees F per hour	To Temp C	To Temp F
Start	0				
1st Ramp		350	660	385	720
2nd Ramp		400	750	570	1060
Soak	**No Soak**				
Down Ramp		150	300	30	90

IMPORTANT NOTE : All top temperatures are approximate.
Projects must be fired to **VISIBLE MATURITY** - the point at which the fusing or slumping process is complete - this could be at a higher or lower temperature than specified above.CHECK YOUR PIECE!!

- ***All clay molds must not be crash cooled below 650 ºC.***
- ***When the kiln is in the down, or annealing cycle, it should not be opened hotter than 300 ºC, then can be opened 3 cm, until glass can be handled without gloves.***
- ***All projects can be crash cooled to 650 ºC when visible maturity has been reached.***

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IMPORTANT NOTES

- *USE PROGRAM 5 FOR SINGLE LAYER WINDOW GLASS SLUMPING. SMALL MOULDS USE 3 mm GLASS, MOLDS LARGER THAN 250 MM, USE 4 mm GLASS.*
- *DO NOT USE THICK FLOAT GLASS IN SMALL MOLDS.*
- *WHEN DOING "APPLIQUE", USE 3 MM GLASS FOR THE SMALLER PIECES THAT ARE TO BE COLORED AND FUSED ONTO THE BASE LAYER.*
- *DO NOT MIX DIFFERENT TYPES OF GLASS IN A FIRING (e.g.BULLSEYE AND FLOAT GLASS OR COLORED WINDOW GLASS AND FLOAT GLASS).*
- *DO NOT MIX STAINLESS STEEL AND CLAY MOLDS IN A FIRING.*
- *MAKE SURE YOUR MOLDS AND/OR SHELVES ARE KILN WASHED EACH TIME YOU USE THEM!!!*
- *WHEN USING MOLDS ULP AND ULR (large uplighters) THE SLUMP FIRING - AND "APPLIQUE" ENAMELS - USE PROGRAMME 3. USING A HOTTER FIRING WILL CAUSE GLASS TO 'AVALANCHE' DOWN THE MOLD.*

Decoupage example

HEXM with painted decoration

Decoupage example

Packaging

All molds are individually packed in a card- board box with sturdy styrofoam inner packaging. Keep box for later storage of mold.

RCM Bowl with enamel decoration

Decoupage example

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