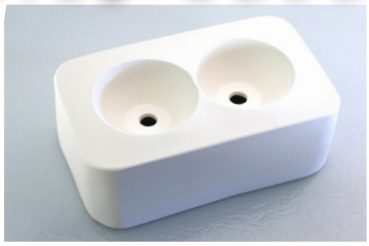
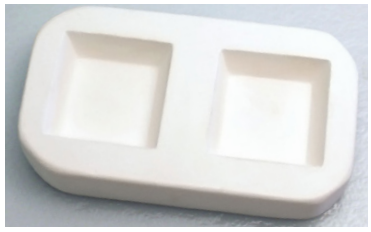
Scrap Master
CAST-A-CAB
Including Holey Cabs



2191.117.081Mini Scrap Master

2191.117.081 Støpefrom hjerter

2191.117.083 Støpeform sirkler



2191.1117.084 Støpeform kvadrat

The Mini Scrap Master **and the corresponding** Cast-a-Cab **molds were designed to make the most of even the smallest pieces ofscrap glass.**
-- The conical self-elevated melting pot area allows for maximum glass evacuation and eliminates the need for added kiln furniture.

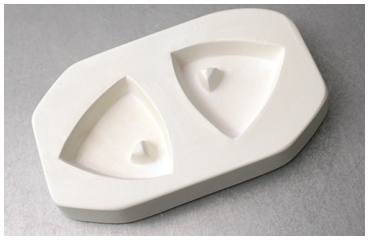
To use the Mini Scrap Master as a sel-elevated melting pot with Cast-a-Cab molds, in a well ventilated area thorougly spray the molds **2191.117.082 - 2191.117.088** with MR97/ZYP glass separator spray. Several light coats with a short waiting period between coats is preferable to one heavy coat. Shake the can well before use and hold the can upright while using to assure proper distribution of product. It is important to turn the mold to make sure you coat the mold cavity at all angles. Click here for a tutorial on applying the ZYP.
You may also try Hotline Primo Primer but it is not as good as MR97/Zyp
For best results, do not spray MR97/ZYP in the melting pots of the Scrap Master melting pots.Complete coverage is essential (over-coverage is better than under). Place the mold on a level kiln shelf in a kiln.

Each Cast-a-Cab mold has a recommended weight range of glass to place in each melting pot ofhe Mini Scrap Master to create a glass casting that fills the mold but does not overfill the mold:

2191.117.082 Hearts = 37 g /heart,
2191.117.083 Circles = 39 g /circle,
2191.117.084 Squares = 34 g/square,
2191.117.085 Tears = 42 g /tear
2191.117.086 Holey Tears = 32 g /tear,
2191.117.087 Holey Trilliants = 31 g /trilliant,
2191.117.088 Holey Circles = 43 g /circle,

Weigh the compatible, fusible scrap on a gram/ounce scale and then add the glass to the melting pot of the Mini Scrap Master. Use a mosaic nipper to cut the pieces to fit all of the glass in the melting pot Do not allow glass to hang over the side of the melting pot cavity.

Both opaque and transparent glass can be used in any combination but it is important that the glass all be of the same COE. The firing schedule works for both COE 90 and 96. For the best results, use a minimum of 25 g of clear fusible, compatible glass as



2191.117.0087 Trekant med hull

2191.117.085 Støpeform dråper

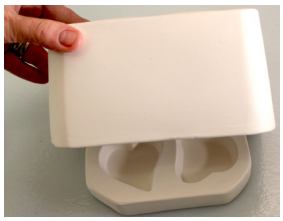
2191.117.088 Sirkler med hull

2191.117.086 Tåre med hull

part of the total weight of glass to be melted. Black and very dark colors, both opaque and transparent, will spread and dominate if added in portions larger than a fraction of a ounce. To use the GM151 Mini Scrap Master with two melting pots, place the filled Mini Scrap Master over the Cast-a-Cab mold on the level kiln shelf. The opening in the bottom of the Mini Scrap Master will fit over the Cast-a-Cab mold in a way that will line up the holes in the bottom of the melting pots of the Mini Scrap Master directly over the cavity of the Cast-a-Cab mold. Fire the project using the firing schedule found in the table at left. This firing schedule has been altered from previously released firing schedule for the original Cast-a-Cab molds; the hold time in segment 1 was extended by 15 minutes to allow the glass to migrate around the ceramic posts in the NEW Holey Cast-a-Cabs. Also, the temp in segment 1 was reduced because many kilns read a lower temperature than they fire. It is better to under fire the project than to over fire. The glass separator begins to break down at temperatures over **900 C**. You may find that the glass did not completely cast from the melting pot at **890 C** in your kiln. Time can be added to the hold (15 minute increments) or temperature can be added (5 degree increments) to adjust the schedule for your kiln. After the kiln has returned to room temperature, open the kiln and lift the Mini Scrap Master to find beautiful cabochons that are reminiscent of cabochons made using "hot glass" tecniques! Many colors of glass will shift during the process. Some colors will react with other colors to create new shades. Be prepared for unexpected surprises! Some glass will remain in the melting pot after firing and will be part of the next project.

Mini Scrap Master melting schedule*			
Segment	rate	temp	hold
1	250 C/t	890 C*	75 minutes
2	9999	815 C	30 minutes
3	9999	516 C	90 minutes
4	60 C/t	370 C	Shut off

*If you suspect that your kiln runs hotter than it reads, reduce the temp in segment one to 870 C



Metal bails and chains/cords added

New Holey Cast-A-Cabs!!

Additonal Notes:

Two very important things need to happen to make the Scrap Master projects work. The kiln chamber needs to not run over 910 degrees Celsius and the glass separator MUST be Zyp/MR97 BN spray (or brush-able) applied liberally. 50% of the reports I get of glass sticking in the molds are due to kilns that run a hotter temperature than they actually read (you plug in 890 C, the kiln runs 910 C for example). Its important to know how hot your kiln really runs by doing some basic firing tests. The other 50% of the reports of glass sticking are due to any other glass separator being used besides Zyp/MR97 or under application of Zyp/MR97 (but as mentioned hotline Primo Primer may work well if not fired to hot).

Video Tutorial on applying MR97/ZYP: Click here