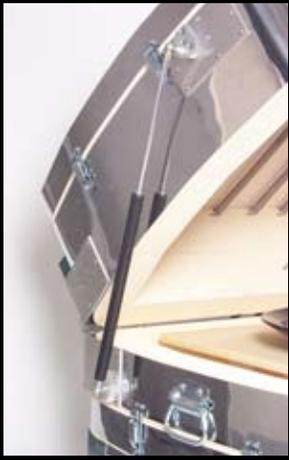




**SKUTT**

GLASS KILN CATALOG



*We help you make great things.*

skutt.com

# Whatever you create,

From teachers to artists to production stu

## *fusing*

**Avery Anderson**  
*Artist/Instructor*

- Designed with the technical needs and comfort of the artist in mind.
- The flexibility of the controller gives you the freedom to be creative and experiment.
- With so many design types to choose from you can pick the one that fits like a glove.



## *slumping*

**Lisa Vogt**

*Artist/Instruction/Glass Retailer*

- With an average chamber height of almost 14", slumping deep molds is no problem.
- The elements in the side walls of many of the models ensure heat uniformity from top to bottom.
- Accurate repeatable results firing after firing.



## *annealing*

**Jonathan Schmuck**

*Artist*

- Heats up quickly and holds temperature accurately.
- Up to 16 programmable segments offer virtually limitless programming freedom.
- 6 storable programs means entering data only once with easy recall.



# Skutt helps bring it to life.

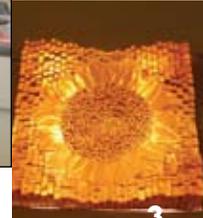
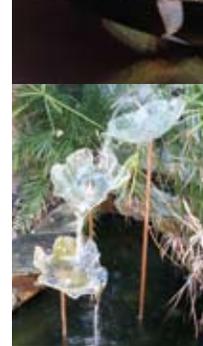
Artists, people who require quality use Skutt kilns.

## torchwork

### Loren Stump

Artist/Instructor

- Ergonomically designed with the input of lampworkers.
- Our lampworking kiln is perfect for Bead Making, Borosilicate, Torchwork Sculpture and Precious Metal Clay.
- Table top 110 Volts means plug it in just about anywhere.



## classroom



### Patty Gray

Artist/Instructor

- Talk about kiln space, we got it.
- Convenient and easy-to-use features like Delay Start and GlassFire Mode were specifically designed with teachers' needs in mind.
- Skutt Kilns are tested to strict safety standards. UL and cUL listed.

## production

### Uroboros

Glass Manufacturer  
Bruce Fairbanks, Artist

- Multi-sectional Side Fired models offer up to 14 sq/ft of usable shelf space per load.
- Zone Control ensures even firing from top to bottom on Production Kilns.
- Balanced elements and 3" thick brick insulation provide energy-efficient firings.



## ceramic kilns

If you are looking for a kiln specifically designed for ceramic use, please visit our Ceramics Kiln web site at [www.skuttkilns.com](http://www.skuttkilns.com) or call us at 503-774-6000.



MAKE THE SMART CHOICE



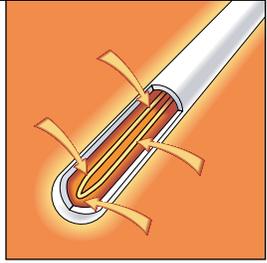
# Make the

Find out why Skutt is the



## THE THERMOCOUPLE

- A great thermocouple must be **responsive and accurate.**
- The low mass of Skutt thermocouples ensures that changes in temperature are measured quickly, making it one of the most responsive thermocouples on the market.
- At Skutt we use only thermocouples with special limit wire. This is the most accurate wire available for Type K thermocouples.



## THE BRICK

- Skutt uses **premium hand-selected brick.** This is the best brick available. It has fewer imperfections so it looks great and offers the best insulation.
- Compare a Skutt Kiln to any other kiln on the market and **you can see the difference.**



# smart choice

number one selling kiln in America

## OUTSTANDING CUSTOMER SERVICE

- Over 50 years of experience
- Most extensive nationwide network of distributors
- 2-year Parts *AND* labor warranty
- Technical service – there when you need it
- Talk to a person not a recording
- Most recommended kiln on the market
- We always try to Under-promise and over-deliver
- Best packaging
- Most parts ship within 24 hours
- Comprehensive website for after hours support



MAKE  
THE SMART  
CHOICE

## THE ELEMENTS

- Skutt balances the heat flow in the kiln by placing hotter elements in the areas that need it. This **improves the efficiency** and heat uniformity of the kiln.
- Our elements are computer designed to use the heaviest wire gauge to minimize watt density. The result is an element that will **run strong firing after firing.**



## SMART DESIGN

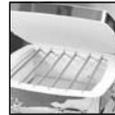
- **GM10F** – The handle on the bead door is counterbalanced for hands-free access.



- **GM1214-3** – Spring-loaded hinge makes opening this 100 lb. lid a piece of cake.



- **GM22CS** – Elements are suspended using ceramic rods for longer element life and no debris in your kiln..



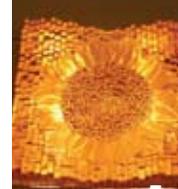
## SMART MATERIALS

- Every component, from the handle on the lid to the screws in the control box, is to protect and extend the life of the kiln
- The control box is powder coated for excellent protection from scratches. This is a much greener manufacturing process.



## THE CONTROLLER

- Designed with the input of glass artists, the GlassMaster controller is incredibly easy to use yet offers all of the features you could possibly want.
- Skutt is one of the few companies to offer GlassFire Mode. These factory-stored programs allow the beginner to fuse with professional results on their first firing.
- Also includes: Ramp/ Hold Programming, the ability to adjust programs while the kiln is firing, Delay Start, Temperature Alarm, Current Sensing and so much more.



# Build a Kiln Feature

Your Skutt glass kiln should be with you for quite some time. To help in your selection process, we have developed an easy to follow guide on our website to help you determine the exact kiln model, upgrades and accessories that will fit your needs.

Below is a quick overview of our Build a Kiln feature—you can take full advantage of this feature at [www.glasskilns.com/bak](http://www.glasskilns.com/bak).



HOW TO  
SELECT THE  
RIGHT KILN

## 1 DETERMINE AVAILABLE SPACE



Step 1 assists you in estimating the size of model that will fit best in your studio area.

## 2 DETERMINE CAPACITY NEEDED



Next, you need to find out if the chamber of the kiln will be large enough to fire the pieces you produce.

## 3 DETERMINE POWER SUPPLY



Step 3 helps you to find a kiln that will operate on the electrical service of your building.

## 4 DETERMINE FIRING TEMP



Determine which kiln offers the best temperature range for your needs.

## 5 DETERMINE KILN STYLE



Step 5 helps you choose which style of Skutt GlassMaster Kiln will work best for you.

## 6 SELECT A MODEL

Step 6 allows you to select the kiln you want based on your previous input.



## 7 ACCESSORIES AND UPGRADES



Choose from a list of accessories to further suit your needs.

## 8 YOUR KILN SELECTION



Congratulations! This is the kiln you have chosen.

# The GlassMaster Controller

## DESIGNED BY GLASS ARTISTS

The GlassMaster controller is the product of years of research. We asked artists and glass manufacturers all over the country what features they would like to see in a controller. The result is a controller that's extremely easy to program and offers the flexibility of a wide array of innovative features.

## TWO WAYS TO FIRE YOUR GLASS

**Glass Fire Mode.** Only Skutt offers Glass Fire Mode. These pre-stored programs were designed by professionals to fire a wide range of products and glass types. This 3 step programming mode is so easy to use, a beginner can fire with perfect results the very first time.

- Only 3 Steps
- Easily modified
- Slump, Fuse or Tack Fuse
- Fires a wide range of sizes

**Ramp/Hold Mode.** This programming mode allows advanced users to design and run their own custom programs.

- Up to 16 segment programs
- Customize each segment with your own Rate, Hold Temperature and Hold Time
- Stores 12 of your favorite programs to use again and again
- Easy to recall stored programs
- **NEW**-Program a vent to cycle on or off for each segment

## The GlassMaster Control Panel

Now with Built-in Current Sensor for diagnostics

**LED Display** shows the current temperature and time.

**MENU** allows access to advanced programming features.

**BACK** allows you to input the correct data if an error has been made.

**Anneal Now** is pressed when the glass has attained the desired heatwork and the artist wishes to begin the annealing process.

**Add Time** adds time to the final heating segment in increments of 5 minutes during the firing.

**Add Temp** adds 5 degrees F of heat to the final heating segment.

**View** will display the current segment of the firing program.

**Ramp Hold** allows the professional to construct and store their own specialized firing programs.

**The GlassMaster** can be programmed in Fahrenheit or Celsius.

**Review** displays the program that is currently loaded.

**Start** begins the program.

**Stop** will stop the program at any point in the firing.

**Glass Fire** accesses preset fusing, slumping, and tack fusing programs with choices of varying firing speeds.

**Cycle** is used in conjunction with the Glass Fire key to choose various options.

**Recall** to stored Ramp Hold programs simply press the Recall key.

**Program on the fly.** With the GlassMaster Controller, you can adjust programs based on what the glass looks like while the kiln is firing with the single touch of a key.

- Add Time or Add Temperature in 5 minute increments
- Use Anneal Now to stop the heatwork and move directly to the Annealing Segment
- Use View Segment to monitor the progress of the program

**New Software.** The newest version of the

GlassMaster Controller has some great new features.

- New Current Sensing allows Skutt Technicians to diagnose your kiln over the phone
- Program a Delay Start to fire your kiln when it's convenient for you
- Set a temperature alarm to alert you when the kiln is approaching peak temperature
- And so much more

For information on the GlassMaster LT controller check out the HotStart Pro Features.

## HOW IT WORKS

### To use Glass Fire Mode

1. Match your project to the chart at right to determine the correct firing speed.
2. Choose Full Fuse, Tack Fuse, or Slump.
3. Press Start. It's that easy!

### To use Ramp & Hold Mode

- Use Ramp and Hold Mode for more specialized programs. See the chart below.
1. Choose the number of segments
  2. Enter the Rate, Temperature and Hold time for each segment.
  3. Press start.

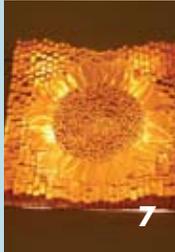
| FAST   | 1/8" THICK - 18" DIAMETER OR SMALLER<br>1/4" THICK - 4" DIAMETER OR SMALLER<br>3/8" THICK - NOT RECOMMENDED   |
|--------|---|
| MEDIUM | 1/8" THICK - 20" DIAMETER OR SMALLER<br>1/4" THICK - 8" DIAMETER OR SMALLER<br>3/8" THICK - 5" DIAMETER OR SMALLER  |
| SLOW   | 1/8" THICK - 24" DIAMETER OR SMALLER<br>1/4" THICK - 18" DIAMETER OR SMALLER<br>3/8" THICK - 12" DIAMETER OR SMALLER<br>1/2" THICK - 8" DIAMETER OR SMALLER |

Glass Fire Mode Chart

| FULL FUSE - SLOW   | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| RATE (°F/HR)       | 300   | 300   | 300   | 600   | 600   | 9999  | 30    | 60    |
| TEMPERATURE (°F)   | 250   | 500   | 750   | 1250  | 1480  | 1000  | 970   | 750   |
| HOLD TIME (HR.MIN) | 00.25 | 00.25 | 00.25 | 00.20 | 00.15 | 02.00 | 02.00 | 00.01 |

RAMP AND HOLD MODES USED FOR MORE SPECIALIZED FIRE PROGRAMS

Ramp and Hold Chart



GLASSMASTER CONTROLLER

# Bead Kiln



## GM10F BEAD KILN

- While perfect for annealing torch work beads, this kiln is also an excellent fusing kiln for smaller projects.
- The kiln comes standard with a side-hinged door, but can be ordered with the easy-to-operate bead door. Both doors come with wooden handles which are mounted away from the heat and allow you to open them without gloves.

- Perforated sidewall baffles allow the heat to come through while protecting you from the elements. (With bead door only)
- The GlassMaster controller is also standard on this unit. The accurate and stable temperature provided by the controller is perfect for annealing.
- Extremely portable and works on standard household current.

## Firebox 8



## Firebox 8 with GM LT Controller



## FIREBOX 8

- **The Perfect Small Kiln** for glass fusing, precious metal clay, ceramics, enameling, knife making...almost anything that you need to get hot.
- **Beginners to Advanced Artists** will love this kiln. The FireBox 8 plugs into any standard 20-amp household outlet and since it is compact in size, you can fire it up almost anywhere.
- **Safe** Unlike other kilns of its size, the FireBox 8 has a hinged lid so you do not have to worry about

- where to put the hot lid when you want to work inside the kiln.
- **Fast** You can always fire slower, but if you need to go fast, this kiln reaches glass fusing temperatures in less than 20 minutes.
- **Accurate** The easy to read digital pyrometer tells you exactly what temperature the kiln is. The infinite switch allows you to set a wide range of temperatures.

| Model     | Phase | Volts | Amps | Watts | Temp °F | Cubic Feet | Opening | Depth | Wire Size | Breaker Size | NEMA Receptacle | Ship Weight |
|-----------|-------|-------|------|-------|---------|------------|---------|-------|-----------|--------------|-----------------|-------------|
| GM10F     | 1     | 115   | 15   | 1725  | 1800    | .45        | 10x9"   | 9"    | 12        | 20           | 5-15            | 85          |
| FIREBOX 8 | 1     | 115   | 15   | 1725  | 2000    | .17        | 8"      | 4.5"  | 12        | 20           | 5-15            | 42          |

Shipping weights are estimates only.

BEADKILN & FIREBOX 8

# HotStart Pro Studio Kiln



■ The perfect starter kiln. Large enough to easily fuse a 12" platter.

■ An even more economical version of this model, the GP706, is available with manual controls which includes an Infinite switch and Pyrometer in place of the controller.

■ Order with the HotStart accessory kit and you are ready to go. Includes 13" shelf with posts, kiln wash and fiber paper.

## FEATURES

- GlassMaster LT Controller: programming features for the beginner and the advanced artist
- Element in lid
- Works on standard household current
- 8" stand
- Low Mass Type K Thermocouple
- Porcelain peep plug (HotStart Pro & GP706)
- Infinite switch (Model GP706)
- Pyrometer (Model GP706)

# FireBox 14 Studio Kiln



■ The perfect kiln for fusing glass tiles. The square chamber holds 1 full square foot of 4" x 4" tile.

■ The wood handle stays cool making it easy to sneak a peek when the kiln gets to temperature.

■ Remember to order the FireBox 14 accessory kit that includes a 13" x 14" shelf, posts, kiln wash and fiber paper.

## The GlassMaster LT

■ The HotStart and FireBox 14 now come standard with the most versatile 3-button controller on the market. The GlassMaster LT now has nearly all the features of the standard GlassMaster in a compact 3-button controller.



**GlassFire Mode** Preset programs for fusing, slumping, and tac fusing help beginners start firing the kiln right away

**Ramp and Hold Mode** Up to 8 segment programming. Room to store 5 custom programs. Add Time, Add Temp, Skip Segment

| Model        | Phase | Volts | Amps | Watts | Temp °F | Cubic Feet | Opening | Depth | Wire Size | Breaker Size | NEMA Receptacle | Ship Weight |
|--------------|-------|-------|------|-------|---------|------------|---------|-------|-----------|--------------|-----------------|-------------|
| HOTSTART PRO | 1     | 115   | 15   | 1725  | 1700    | .6         | 15"     | 6.5"  | 12        | 20           | 5-15            | 98          |
| GP706        | 1     | 115   | 15   | 1725  | 1650    | .6         | 15"     | 6.5"  | 12        | 20           | 5-15            | 67          |
| FIREBOX 14   | 1     | 115   | 15   | 1725  | 1700    | .8         | 14.5"   | 6.5"  | 12        | 20           | 5-15            | 110         |

Shipping weights are estimates only.



HOT START PRO & FIREBOX 14

# Studio Kilns

## Industrial Model



**GM814**

**GM1014**

**GM1214-3**

## STUDIO KILNS

■ The Studio Series kilns are the most popular among the serious home fusers. Their economical price coupled with their large firing chambers make them flexible and affordable.

■ Top and side firing elements make these units fire very evenly across the shelf and also top to bottom.

■ The GM1214-3 is one of the largest firing chambers on the market. It comes standard with a lid lifter making lifting this lid almost effortless.

### GM814 FEATURES

- GlassMaster Controller
- Lid and side fired elements
- Low Mass Type K Thermocouple
- Easily fits 16" shelf
- 8" stand
- Hinged control box
- Porcelain peep plugs

### GM1014 FEATURES

- GlassMaster Controller
- Lid and side-fire elements
- Low Mass Type K Thermocouple
- Easily fits 19.5" shelf
- 8" stand
- Hinged control box
- Porcelain peep plugs

### GM1214-3 FEATURES

- GlassMaster Controller
- Lid and side-fire elements
- Low Mass Type K Thermocouple
- Lid Lifter
- Easily fits 26" shelf
- 8" stand
- Hinged control box
- Porcelain peep plugs

| Model    | Phase | Volts   | Amps    | Watts | Temp °F | Cubic Feet | Opening | Depth | Wire Size | Breaker Size | NEMA Receptacle | Ship Weight |
|----------|-------|---------|---------|-------|---------|------------|---------|-------|-----------|--------------|-----------------|-------------|
| GM814    | 1     | 240/208 | 27.8/32 | 6660  | 1800    | 2          | 17.5"   | 13.5" | 8         | 40           | 6-50            | 132         |
| GM1014   | 1     | 240/208 | 34/39.1 | 8140  | 1800    | 3.5        | 23.5"   | 13.5" | 8         | 50           | 6-50            | 180         |
| GM1214-3 | 1     | 240/208 | 42/48   | 10000 | 1800    | 5          | 28"     | 13.5" | 6         | 60           | 6-50            | 285         |
| GM1214-3 | 3     | 240/208 | 29/29.4 | 10000 | 1800    | 5          | 28"     | 13.5" | 8         | 40           | 15-50           | 285         |

Shipping weights are estimates only.



## NEW!

Our popular lid lifter is now available as an option on all new GM1414 kilns or as an upgrade kit for older models.



## FEATURES

- GlassMaster Controller
- Lid and side-fire elements
- Low Mass Type K Thermocouple
- 8" stand
- Hinged control box
- Oval design
- Optional viewing window
- Porcelain Peep Plugs
- Fits 22" x 39" 3-piece shelf

## GM1414 STUDIO SERIES

- The top and side firing elements make this unit fire very evenly and allow for glass projects to heat at a uniform rate.
- With a 13.5" chamber height this kiln is much taller than other top firing kilns allowing for tall slumping and drop mold projects.
- They are equipped standard with the GlassMaster Controller which gives you the precision and versatility needed for complicated firing projects.

## Clam Shell Industrial Model



## FEATURES

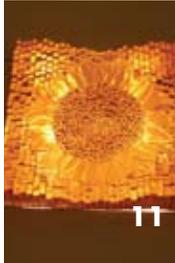
- Wall mounted GlassMaster Controller
- Clam Shell design
- Removable coated lid
- Gas shocks
- Elements hung on refractory rods
- Low Mass Type K thermocouple
- Easily fits 20" shelf
- 8" reinforced stand
- Safety shutoff
- Optional Viewing Window

## GM22CS CLAM SHELL

- The extremely wide chamber makes the GM22CS perfect for the teacher or artist who needs to fire many pieces or large panels.
- The Clam Shell design is the premier shape for fusing and shallow slumping. It provides easy access to the glass for loading and manipulating.
- The top chamber of the kiln retains the heat when the kiln is opened and the bottom allows room for heat to flow under the shelf for uniform heating.
- The kiln holds a 20" shelf with room enough for your fingers for easy placement.
- The elements are hung on refractory rods which helps extend life and prevent particles from falling into the glass. The coated brick lid is removable which makes changing elements easier than any kiln on the market.
- The unit is controlled by a GlassMaster wallmounted controller.
- Tilt Switch shuts off power to the elements when the kiln is open for added safety while raking.

| Model  | Phase | Volts   | Amps      | Watts | Temp °F | Cubic Feet | Opening    | Depth | Wire Size | Breaker Size | NEMA Receptacle | Ship Weight |
|--------|-------|---------|-----------|-------|---------|------------|------------|-------|-----------|--------------|-----------------|-------------|
| GM1414 | 1     | 240/208 | 34.7/40   | 8328  | 1800    | 6.7        | 41.5x24.5" | 13.5" | 8         | 50           | 6-50            | 310         |
| GM1414 | 3     | 240/208 | 20/23.1   | 8320  | 1800    | 6.7        | 41.5x24.5" | 13.5" | 10        | 30           | 15-50           | 310         |
| GM22CS | 1     | 240/208 | 31/35.8   | 7440  | 1800    | 4.35       | 23.5x24.5  | 13.5" | 8         | 40           | 6-50            | 270         |
| GM22CS | 3     | 240/208 | 17.9/20.7 | 7440  | 1800    | 4.35       | 23.5x24.5  | 13.5" | 10        | 30           | 15-50           | 270         |

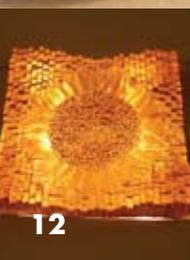
Shipping weights are estimates only.



# Production Kilns



PRODUCTION  
KILNS



**GM818**

**GM1018**

**GM1227-3**

## PRODUCTION KILNS

■ This extremely versatile line of kilns allows for fusing on multiple layers. With Zone Control standard, these models fire each section independently to ensure even firing from the top to bottom. With chamber depths of up to 27", these kilns are great for large drop molds and annealing tall sculptural pieces.

■ Multi-sectional, side-fired models offer up to 14 sq/ft of usable shelf space per load. They also have a much smaller footprint than other kilns with similar capacity.

■ The coated brick lid ensures no particles will fall into your artwork.

■ Production Artists fuse and slump in side fired kilns everyday. For more information on fusing in production kilns, read the article on our website at <http://www.skutt.com/resources/article.html>

## FEATURES

- GlassMaster Controller
- Zone control
- Side-fire elements
- Low Mass Type K Thermocouple
- GM818 easily fits 16" shelf
- GM1018 easily fits 19.5" shelf
- GM1227-3 easily fits 26" shelf
- 8" stand
- Sectional design
- Porcelain peep plugs
- GM1227-3 comes standard with energy-saving 3" brick.

| Model    | Phase | Volts   | Amps      | Watts       | Temp °F | Cubic Feet | Opening | Depth | Wire Size | Breaker Size | NEMA Receptacle | Ship Weight |
|----------|-------|---------|-----------|-------------|---------|------------|---------|-------|-----------|--------------|-----------------|-------------|
| GM818    | 1     | 240/208 | 27.8/26.7 | 6600/5500   | 1800    | 2.6        | 17.5"   | 18"   | 8         | 40           | 6-50            | 150         |
| GM1018   | 1     | 240/208 | 39.4/40   | 9460/8320   | 1800    | 4.6        | 23.5"   | 18"   | 8         | 50           | 6-50            | 207         |
| GM1227-3 | 1     | 240/208 | 48/48     | 11520/9984  | 1800    | 9.9        | 28"     | 27"   | 6         | 60           | 6-50            | 380         |
| GM1227-3 | 3     | 240/208 | 29.3/31.7 | 11520/11000 | 1800    | 9.9        | 28"     | 27"   | 8         | 40           | 15-50           | 380         |

Shipping weights are estimates only.

# Hot Glass Kilns



## GM818-3CR

- Designed to melt both soft glass and borosilicate glass.
- Designed to provide artists with a crucible furnace that is affordable and inexpensive to operate.
- The holes in the furnace lid can be cut at different sizes to accomodate different shaped crucibles.
- Comes standard with Glass-Master Controller. The numbered touch pad allows you to enter data without having to scroll up and down to select temperatures.
- Unlike other crucible kilns on the market, the GM818-3CR comes standard with solid state relays, APM elements and Type S thermocouple for longer life and more accurate control.

## Scarab

- 3 doors with adjustable point rests designed for working with borosilicate glass.
- Wooden handles stay cool, making it easy to operate the doors.
- Independent center door allows you to work with larger diameter tubing.
- Designed by noted lampworking artist Marcel Braun.
- Multiple handles for easy moving.
- Scarab operates on a 40 AMP breaker (XL is 60A)
- Comes standard with GlassMaster 33 Controller, a 4 button controller specifically designed for flameworkers who want to anneal borosilicate glass.
- The GlassMaster 33 allows you to design and store up to 4 custom programs with up to 8 segments per program.
- Comes standard with fan cooled, solid state relays for longer life and dependability.

## Scarab XL

| Model     | Phase | Volts | Amps | Watts | Temp °F | Cubic Feet | Opening | Depth | Wire Size | Breaker Size | NEMA Receptacle | Ship Weight |
|-----------|-------|-------|------|-------|---------|------------|---------|-------|-----------|--------------|-----------------|-------------|
| SCARAB    | 1     | 240   | 27   | 6480  | 1700    | 3.0        | 27x16"  | 12"   | 8         | 40           | 6-50            | 460         |
| SCARAB XL | 1     | 240   | 48   | 11500 | 1700    | 8.1        | 27x26"  | 20"   | 6         | 60           | 6-50            | 735         |
| GM818-3CR | 1     | 240   | 30   | 7200  | 2350    | 2.3        | *16.5"  | 18"   | 8         | 40           | 6-50            | 180         |

\*Gathering hole is 6" in diameter.

Shipping weights are estimates only.

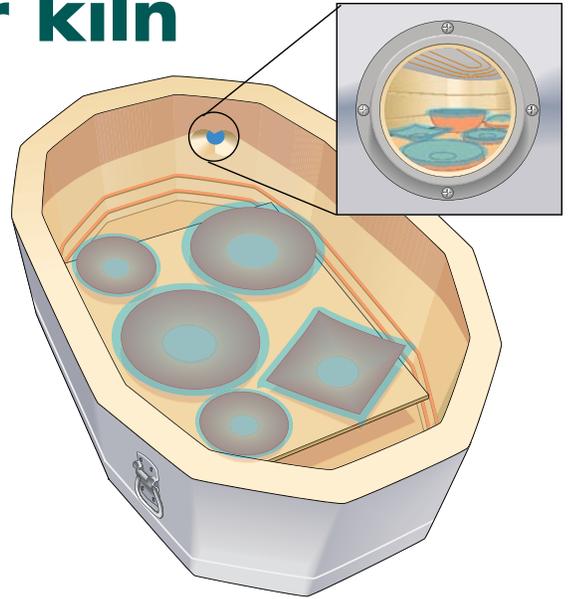


HOT GLASS  
KILNS

# Optional equipment to customize your kiln

## THE VIEW WINDOW

- Too late, too early, or just right? See your work while it is firing so you can make adjustments on the fly.
- Polished quartz window stands up to 1800°F.
- Double-conical window cavity gives you a wider field of vision for an expansive view of the inside of the kiln.
- Available as an upgrade or do-it-yourself retrofit on Skutt GM22CS, GM1414, GP706 and HotStart Pro kilns.



## KILN FURNITURE KIT

- Our Kiln Shelves and Posts are sold individually or as kits. A furniture kit is used to create

shelf layers inside your kiln. Although the contents of shelf kits vary depending on the kiln model, all shelf kits will contain a selection of shelves and 1 or more post assortment kits. All furniture kits are designed to fire up to 2350° F.

## THE ENVIROVENT 2

- This Downdraft Vent System pulls fumes caused by glue and fiber paper directly from your firing chamber and vents them outside just like your dryer.



The motor mounts away from the kiln to eliminate the possibility of vibration affecting your artwork.

## PYROMETER

- Skutt carries both kiln or wall-mounted analog pyrometers and hand-held digital pyrometers. These can be used to read the temperature on kilns that do not have digital controllers or used as a means of testing the accuracy of a digital controller.

## GM-2-LT CONTROLLER

- Perfect for a small manual kiln like the FireBox 8. Plug any 15 amp or less kiln into the controller and you have all of the programmable control of a HotStart Pro or FireBox 14 kiln. The unit can sit on the table next to the kiln or mount to the wall. Comes with thermocouple and thermocouple mounting flange.

## EASYVIEW TOUCHPAD

- Angled touchpad mount for easy viewing and programming. Can be ordered with a new kiln or as an upgrade to an existing kiln. Installs in minutes. Available for all GlassMaster kilns.



## ROLLING/ADJUSTABLE HEIGHT STANDS

- All Skutt kilns come with stands but often times customers prefer one with wheels or one that raises the kiln higher for easier programming and loading.



Now you have the option. All of our rolling stands are made with heavy gauge, powder coated steel, so they are safe to roll and look great for a long time. Adjustable models have 3 height positions so you can set them at the height that is perfect for you. The height setting is secured with heavy duty locking bolts for added security. The wheels lock so they only roll when you want them to roll.

| Model      | Wheels | Adjustable |
|------------|--------|------------|
| GM814      | *      | *          |
| GM1014     | *      | *          |
| GM1214-3   | *      | *          |
| GM1414     | *      | *          |
| GM818      | *      |            |
| GM1018     | *      |            |
| GM1227-3   | *      |            |
| FIREBOX 14 | *      |            |
| GM22CS     | *      | *          |
| SCARAB     | *      |            |



# Installation and Electrical Notes

Things to know before you install and use your Skutt kiln

## ELECTRICAL REQUIREMENTS

| KILN MODELS  | PHASE | VOLTS | AMPS | WATTS | COPPER WIRE SIZE | FUSE or BREAKER | NEMA RECEPTACLE CONFIG. |
|--------------|-------|-------|------|-------|------------------|-----------------|-------------------------|
| GP706        | 1 PH  | 115   | 15   | 1725  | 12               | 20              | 5-15*                   |
| HOTSTART PRO | 1 PH  | 115   | 15   | 1725  | 12               | 20              | 5-15*                   |
| FIREBOX 14   | 1 PH  | 115   | 15   | 1725  | 12               | 20              | 5-15*                   |
| FIREBOX 8    | 1 PH  | 115   | 15   | 1725  | 12               | 20              | 5-15*                   |
| GM10F        | 1 PH  | 115   | 15   | 1725  | 12               | 20              | 5-15*                   |
| GM814        | 1 PH  | 240   | 27.8 | 6660  | 8                | 40              | 6-50                    |
| GM814        | 1 PH  | 208   | 32   | 6656  | 8                | 40              | 6-50                    |
| GM1014       | 1 PH  | 240   | 34   | 8140  | 8                | 50              | 6-50                    |
| GM1014       | 1 PH  | 208   | 39.1 | 8140  | 8                | 50              | 6-50                    |
| GM1214-3     | 1 PH  | 240   | 42   | 10000 | 6                | 60              | 6-50**                  |
| GM1214-3     | 1 PH  | 208   | 48   | 10000 | 6                | 60              | 6-50**                  |
| GM1214-3     | 3 PH  | 240   | 29   | 10000 | 8                | 40              | 15-50                   |
| GM1214-3     | 3 PH  | 208   | 29.4 | 10000 | 8                | 40              | 15-50                   |
| GM1414       | 1 PH  | 240   | 34.7 | 8320  | 8                | 50              | 6-50                    |
| GM1414       | 1 PH  | 208   | 40   | 8320  | 8                | 50              | 6-50                    |
| GM1414       | 3 PH  | 240   | 20   | 8320  | 10               | 30              | 15-50                   |
| GM1414       | 3 PH  | 208   | 23.1 | 8320  | 10               | 30              | 15-50                   |
| GM818        | 1 PH  | 240   | 27.8 | 6600  | 8                | 40              | 6-50                    |
| GM818        | 1 PH  | 208   | 26.7 | 5500  | 8                | 40              | 6-50                    |
| GM1018       | 1 PH  | 240   | 39.4 | 9460  | 8                | 50              | 6-50                    |
| GM1018       | 1 PH  | 208   | 40   | 8320  | 8                | 50              | 6-50                    |
| GM1227-3     | 1 PH  | 240   | 48   | 11520 | 6                | 60              | 6-50**                  |
| GM1227-3     | 1 PH  | 208   | 48   | 9984  | 6                | 60              | 6-50**                  |
| GM1227-3     | 3 PH  | 240   | 29.3 | 11520 | 8                | 40              | 15-50                   |
| GM1227-3     | 3 PH  | 208   | 31.7 | 11000 | 8                | 40              | 15-50                   |
| GM22CS       | 1 PH  | 240   | 31   | 7450  | 8                | 40              | 6-50                    |
| GM22CS       | 1 PH  | 208   | 35.8 | 7450  | 8                | 50              | 6-50                    |
| GM22CS       | 3 PH  | 240   | 17.9 | 7450  | 10               | 30              | 15-50                   |
| GM22CS       | 3 PH  | 208   | 20.7 | 7450  | 10               | 30              | 15-50                   |
| GM818-3CR    | 1 PH  | 240   | 30   | 7200  | 8                | 40              | 6-50                    |
| SCARAB       | 1 PH  | 240   | 27   | 6480  | 8                | 40              | 6-50                    |
| SCARAB XL    | 1 PH  | 240   | 48   | 11500 | 6                | 60              | 6-50**                  |

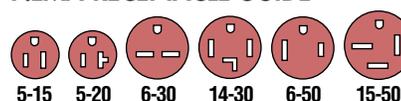
Wire gauge and breaker size recommendations are based on National Electrical Code Requirements. Consult your electrician for your specific installation.

\* Canadian kilns use 5-20 receptacle  
\*\* Direct Wire (Canada)

## GLASSMASTER SPECIFICATIONS

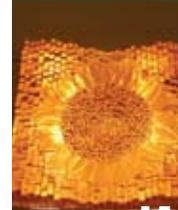
- Delay Firing start: Up to 99 hours and 99 minutes.
- Ramp/Hold Mode: Entry by temperature, create programs from 1 to 8 segment. Each segment can specify a rate of heating or cooling to a specified temperature with an optional hold, to maximum temperature of 1800° F (not recommended to fire over 2350° F).
- Memory holds up to 6 firing programs.
- Safety Features: Power Failure Detection, Thermocouple Failure Detection, Microprocessor Fault Detection.
- Temperature Alarm: Adjustable to desired temperature.
- Control Panel: Sealed Touch Pad, washable.
- Thermocouple: Type K.
- Designed and manufactured in the USA.

## NEMA-RECEPTACLE GUIDE



## UL/CUL LISTING

- All Skutt Glass Kilns listed above are UL and cUL (Canada) listed except the GM22CS and the GM1214-3 which are classified as industrial kilns.



INSTALLATION & ELECTRICAL NOTES

# Outstanding Service

## Over 50 Years of Experience

■ Founded in 1953 by father and son team, R.W. Skutt and Neil Skutt, Skutt Kilns remains a family business focusing on innovation and the needs of the customer.

## Most Extensive Nationwide Network of Distributors

■ With nearly 200 distributors nationwide, you can be assured that there is a distributor near to assist you with your purchase and provide quality service.

## Parts and Labor Warranty

■ There are a lot of different warranties on the market. Some offer longer periods, but pro-rate what they will pay. Others pay for parts but not for labor. At Skutt we have a straightforward 2-year parts *and* labor warranty. The bottom line is that a warranty is only as good as the company behind it. With Skutt, you know we are going to take care of you.

## Technical Service – There when you need it.

■ Our technical department is open 5 days week Monday thru Friday from 7:30am to 5:00pm. We have full-time technicians available to answer your questions. If you have a problem after hours, we have a comprehensive troubleshooting web site to help you figure out the problem.

## Talk to a Person Not a Recording

■ Our customer service department is connected from the receptionist to the President. It is extremely rare that our phone is not answered by an actual person. If we are busy and you need to talk to someone personally, the phone system will find someone for you, guaranteed!

## Most Recommended Kiln on the Market

■ We have worked hard to develop our reputation for consistent quality and outstanding customer service over the years. For this reason we are the number one kiln recommended by distributors, art educators and studio owners.



## Under-promise and Over-deliver

■ At Skutt we rigidly test all of our kilns to perform at, and beyond, their maximum capabilities. When Skutt gives a kiln a temperature rating, you can be assured you will receive a lifetime of quality performance. No matter what your application, we have a model designed specifically to meet your needs.

## Best Packaging

■ Few things are more disappointing than receiving a kiln that has been damaged in freight. Kilns are fragile items to ship. That is why we have invested in the top-of-the-line packaging system to insure the safe delivery of your kiln. Many of our distributors even offer professional delivery and setup services. They will physically inspect every kiln before they deliver it. Call your local distributor for details.

## Most Parts Ship Within 24 Hours

■ We understand that the reputation of your business or education program can be on the line when your kiln is down. That is why we ship replacement parts within 24 hours. If needed, with express delivery, we can even get your parts to you by the next morning.

## Get in Contact with Us

■ We want to make it as easy as possible for you to request and receive the information you need to make a smart purchase. That is why we offer so many ways to reach us.

- Call us: 503-774-6000
- Fax us: 503-774-7833
- E-mail us: [skutt@skutt.com](mailto:skutt@skutt.com)
- Website: [www.glasskilns.com](http://www.glasskilns.com)

## Visit Our Website

■ Most of our printed product literature can be easily downloaded off our web site for more in-depth technical information. You can also find a listing of our distributor network so you can find the dealer nearest you.

## Visit Your Local Distributor

■ A complete list of authorized Skutt Distributors can be found on our website. Visit the one nearest you to see the actual kiln up close. Our distributors are experts in their field and should be able to help you pick the best kiln for your specific needs.



### Skutt Kilns

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503-774-6000 ■ Fax 503-774-7833 ■ [skutt@skutt.com](mailto:skutt@skutt.com) ■ [www.glasskilns.com](http://www.glasskilns.com)