

## CERAMIC KILNS – GLAZETECH

### THE PERFECT CONE 10 TEST KILN

Most high fire test kilns on the market are either too small or underpowered because they are trying to run on 120V instead of 240V. With a little extra wiring you can have a test kiln that truly fits your needs.



### FEATURES

#### Brand New Controller

The GlazeTech now has a brand new controller that allows you to fire Glass and Ceramics. It even has built in programs for Precious Metal Clay. The perfect controller for any of your testing or other small firing needs. Here is what you get:

- **GlassFire Mode** allows you to write a program simply by choosing your technique and the speed. It's that easy!
- **ConeFire Mode** allows you to fire Ceramics simply by entering the Cone Value, Firing Speed and Hold Time.

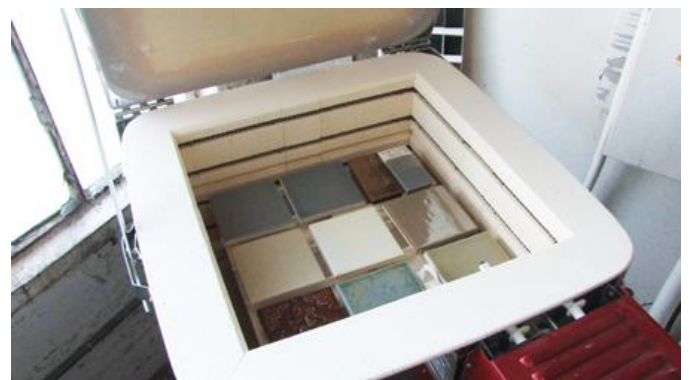


- **PMC Mode** is even easier. All you enter is the type of Metal Clay you are using and press start.
- Write your own firing programs with up to 8 Segments using **Ramp and Hold**. Now you can store up to 5 programs.
- Adjust temperatures or hold times while the kiln is firing using **Add Time** or **Add Temp** or simply select **Anneal Now** to set your project and begin annealing it.

#### The Right Size, the Right Power, and the Right Control

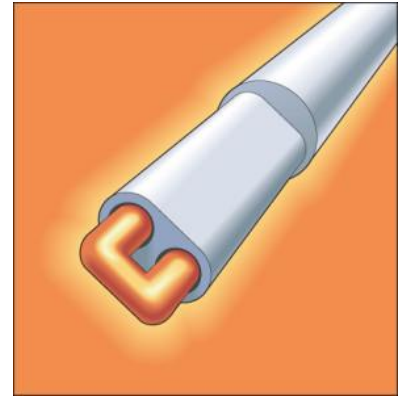
When you are testing glazes you want to mimic the real world which means you need a kiln that can perform like your big kiln. It needs to be wide enough to test multiple samples, tall enough to test glazes on a vertical surface, powerful enough to match the firing profiles you will use in real life, and have the control to match those profiles on the heating **and** cooling side of the profile.

The GlazeTech was designed to do exactly those things.



## The Thermocouple

- Exposed Thermocouple equals faster reaction time and higher accuracy.
- Inexpensive, plus we give you an extra one when you buy your kiln.
- Easy and quick to replace.
- Type S (Platinum) Upgrades Available.

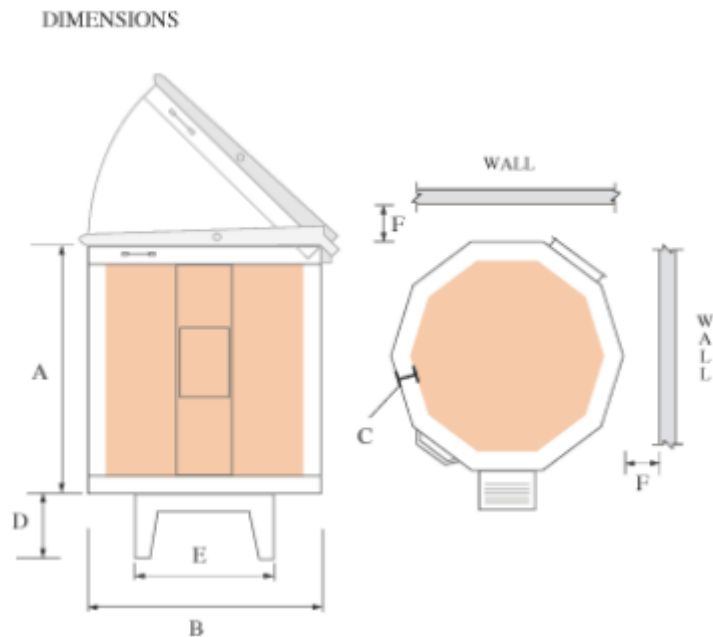


## Great for Porcelain Canvas



- Robin Hopper called us and said he was working with this new stuff called Porcelain Canvas.
- He asked us to build him a kiln, and we of course said you bet!.
- He said make it like this, and we of course did.
- ...and that is the beginning of the best test kiln on the market.

## PRODUCT SPECIFICATIONS AND DIMENSIONS



Model	Phase	Volts	Maximum		Power		Copper Wire Size	NEMA Receptacle	BTU's
			Cone	Temp(F)	Amps	Watts			
GLAZETECH	1	240	10	2350	17	4000	12	6 - 20	0
GLAZETECH	1	208	10	2350	20	4000	10	6 - 30	0

## CHAMBER CAPACITY

Approximately 15 in. x 15 in. opening and 9 in. high. 1.1 cubic feet, 0 bowls.

Bowl, 6 inches in diameter and 3 inches high.

Depth	Opening Width	Opening Length	Cubic Ft.	Tea Bowls
9in.	15in.	15in.	1.1	0

The picture displays a KM-1027 kiln

### Controller

Thermocouple: -

Clock: 60 Mhz

Voltage: 0 DC Relays

Output: 0 Volts DC

Fuse: 0 AMP



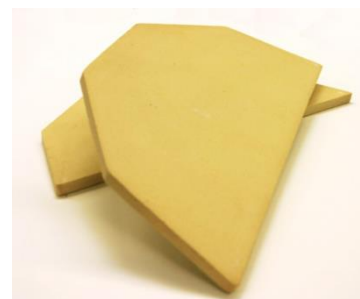
## ACCESSORIES

### FURNITURE KITS



### Quality

We search the world over to find kiln furniture of the quality our customers expect. There are a lot of “cheap” shelves out on the market as well as very expensive shelves that provided little added value for most customers needs. Our primary goal is to maximize value for our customers. This means we are looking for shelves that are reasonably priced, will not warp or crack when fired to the temperatures for which they are designed and are free from major chips and scratches. If you ever receive a defective shelf from Skutt we will replace it for free within the warranty period.



### Choosing A Furniture Kit



A furniture kit is a collection of properly sized shelves coupled with a post assortment that is recommended for your specific model kiln. The shape, quantity and thickness are predetermined and based on the most common practices for that model. The quantity of the posts in the assortments included with the furniture kit are based on the number of layers of shelves common in that model and include varied height posts to give you flexibility in loading.

If your situation is unique and you have very specific needs you can order all of these items separately to make your own kit. Here are some of the factors you will want to consider:

## Shape

Shelves can be round, multi-sided, square or rectangle. Round and multi-sided shelves are usually available in what is called “half-shelves”. Half shelves are exactly what they sound like, they are half of a full shelf. People like them for several reasons.

## Pros

- Provide a path for convection in the center of the kiln.
- Half the weight of a full shelf therefore easier on the back to load in the kiln.
- More flexibility in loading your kiln.
- Less likely to warp or crack than full shelves.

## Cons

- Full Shelves can be more suitable for larger pieces that take up more than half the diameter of the kiln because there is no gap.

## Thickness

The thickness of the shelf can determine whether or not it can withstand high temperatures without warping. This is usually only an issue if you are working with a large kiln such as a 1227. Since the KM1227-3PK is rated to cone 10 we only recommend 1" thick half shelves. For kilns designed more for low fire applications it is ok to use a 5/8" thick shelf which will be lighter.

## Quantity

The quantity you will need will be based on the height of your kiln, the height of the pieces you are putting in your kiln and whether you are using full shelves or half shelves. When you are contemplating how many layers of shelves you want to have on hand, remember, it is always a good idea to have at least 1 element radiating between each layer. If you have a glass kiln with elements radiating down from the lid, you can only fire on one layer because the top shelf will block the radiant heat to the layers below.



## Posts

Posts are the supports that hold the shelves up. Generally you want to use 3 posts for each shelf you are supporting. Half shelves can share 2 posts on a common layer so you can use 4 posts instead of 6 posts. They come in varying heights from 1" tall all the way to 12" tall. They can also be stacked but are more stable when used alone.

## Kiln Wash

You will need to order kiln wash to coat your shelves. Kiln wash is a material that comes in a powdered form that you mix with water to a cream consistency and paint on your shelves. The coating protects the shelves from clay and glaze sticking to them.



## EV2 Rolling Stand Adapter



Have a Rolling Stand? Have an EnviroVent2? You may want to purchase the new EV2 Rolling Stand Adapter. The new adapter is a bracket that is designed to fit in between the cross supports of your Skutt Rolling Kiln Stand. The EnviroVent2 collection cup is spring loaded so it can move up and down with the bottom of the kiln as the brick expands and contracts. With the new bracket, the foot of the collection cup is spring loaded against the bracket instead of the floor. This way, when you roll your kiln, the cup goes with it. Now obviously you can't roll it very far because it is

attached with ducting to the motor, but it does allow you to move it for cleaning without having to reposition the cup.

## Rolling Stand



### Why You May Want A Rolling Stand

Almost every kiln that Skutt sells comes with a stand but most of them are designed to stay put. Trying to move them with the kiln setting on them could result in a broken stand or even worse a broken kiln, or even worse, a broken you.

Often times you may want to move your kiln to clean under it or just get it out of the way when it is not being used. Think how nice it would be to get that car in the garage every once in a while.



Our rolling stands are constructed out of heavy duty, welded square tubing and fitted with high quality, locking polypropylene castors. Polypropylene wheels roll smoothly across the floor. They provide the recommended clearances from the kiln to the floor and many are adjustable in order to raise the loading level to a height that is comfortable for you.

## Choosing The Right Stand

Use the table below to choose the correct stand for your kiln. The heights listed in the table are based on the height of the surface of the stand that the kiln will sit upon. To calculate the height of the kiln opening (loading height) just measure from the bottom of the kiln to the kiln opening and add it to the stand heights.

MODEL	PART#	ADJUSTABLE	HT 1	HT 2	HT 3	HT 4	HT 5
1414	2840	YES	11"	16"	21"		
1214-3	2846	YES	11"	16"	21"		
1014	2845	YES	11"	16"	21"		
814	2848	YES	11"	16"	21"		
22CS	2841	YES	11"	16"	21"		
1231, 1227, 1222, 1218	2842	NO	8"				
1027, 1022, 1018	2843	NO	8"				
822, 818	2844	NO	8"				
SCARAB (REGULAR)	2970	YES	11"	16.5"	22"	27.5"	33"
FIREBOX 14	2847	NO	30"				

## UPGRADES

### APM Elements



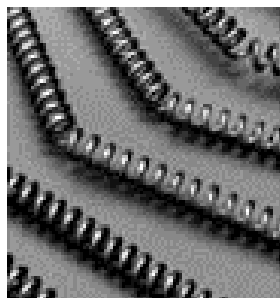
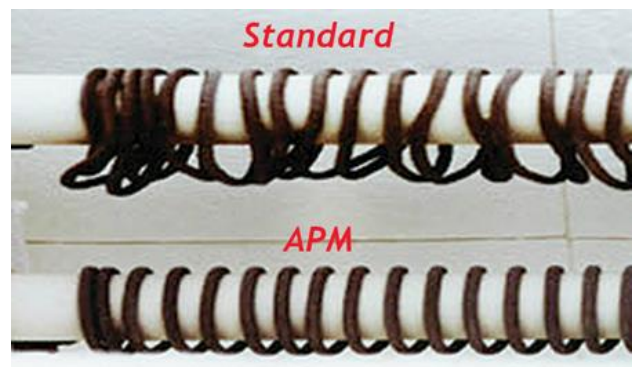
### Why You May Want APM Elements

Let's start first by saying that APM ELEMENTS ARE NOT FOR EVERYONE. APM Elements are made of almost exactly the same material as our regular elements, the difference is how they are made. With APM elements they grind up the extruded material and then re-melt it and extrude it again. What this does is give it more dimensional stability (it doesn't sag or creep as easily) at high temperatures.

Elements are more likely to sag and creep when you are firing to, and holding at high temperatures. This can significantly reduce their effective life. So, if you are working with Crystal glazes or are consistently firing to Cone 10 you will be very pleased with the added life of the elements. If you are mostly low firing (Cone 04) you will not experience any benefit.

### Order The Correct APM Elements For Your Kiln Ordering APM Elements With A New Kiln

If you are ordering a new kiln with APM Elements just let your distributor know and we will make sure we install them in the factory. For pricing please consult your distributor.



### Ordering Replacement APM Elements

For pricing on individual replacement elements please consult your Skutt Distributor for accurate up-to-date pricing. Remember, most Skutt Kiln models have balanced elements so there are several types of elements in each kiln designed to place in specific positions.

## WARRANTY



- Unlike most warranties, ours covers Parts **AND Labor**.
- Never Pro-Rated.
- Serviced by the most extensive, knowledgeable and talented distributor network in the industry.
- Backed by a company whose mission statement is "We help you make great things". When your kiln is down, you can't make great things.

## SHIPPING

Weight listed is only an approximation. Actual weight will vary due to humidity levels and varying brick density.

Weight(lbs): 130

Skutt Kilns should arrive fully assembled.

Packed with the kiln you will find the following items:

- Kiln Stand
- Stand Feet
- Extra Thermocouple (unless Type S)
- Peep Plugs – attached to the kiln stand, enough to fill each peephole on your particular model.

