

FLAME WORKING KILN – SCARAB

USED BY THE BEST

If you are serious about flameworking you need serious equipment. Designed by a flameworker, specifically for flameworking Borosilicate glass.

FEATURES

The Controller

- The software for the COE Controller was developed by Flameworker Marcel Braun to fit the specific needs of the Boro Flameworker.
- It can be easy as pressing Go to start working and Go twice to anneal your piece and call it a night.
- The Controller is programmed to heat to 1100 F but you can set it for whatever temperature you want.
- You can choose between the 3 preset Annealing programs or create your own.



Marcel knows how important to know how long your piece is at the set point temperature. That is why he programmed a feature in the controller that tells you exactly that amount of time. If you dip below that temperature it waits until it is back to set point and restarts the clock.

- It also includes built in striking and repair programs.
- Watch the video listed on our website.

Primary Point Rests

The Primary Point rests are designed to slide up and down to support your rods and tubes. If your handles are extremely long we would suggest adding the Optional Secondary Point Rest which extends further out from the kiln and is fully adjustable up and down.

When you are ready to anneal you slide all 3 point rests up tight against the doggie doors to seal off the chamber.

The point rests are constructed of solid brick and stainless steel for maximum life. To operate them simply loosen the knob, slide the rest to the position desired and tighten the knob. It was specifically designed to be a one hand operation so you can hold your glass with the other hand.



Balanced Main Door



The Main Chamber Door hinge system has been completely redesigned with precision hardware for smoother operation. The door is **balanced** using an counterweight. The arms holding the counter weight were engineered with a precise bend that places the counterweight in a neutral position when the door is half open. This allows for enough weight when the door is down to keep it closed and keeps it from wanting to get away from you when you open it.

The entire door is constructed of insulating fire brick surrounded by **heavy gauge stainless steel**. The handle is also constructed of stainless steel to prevent corrosion.

The “Doggie” Doors

The Doggie Doors (sometimes referred to as bead doors) are the brainchild of master framemaker Marcel Braun. They are constructed using a channeled **stainless steel** frame which holds a section of soft fiberboard. When you close the door it rests gently on your glass handles, sealing in the heat without scratching the glass. If they ever wear out you can replace them easily and inexpensively. The doors are **counterbalanced** to stay open on there own with weighted wood **handles that stay cool** to the touch. One of the most valued design elements of the Scarab and Scarab XL kilns is the introduction of the **Center Door**.

The center door allows you to use a single larger diameter tube or rod without affecting the tight seal on the other rods. Without it the larger diameter tube would hold the doggie door up higher, allowing unnecessary heat to escape...Brilliant!



Removeable Chasis

Let's face it, these kilns are heavy!. The last thing you want to do is to start wrestling around with them to get at a component that needs to be replaced. All Scarab kilns are designed with a **Removable Chasis** which holds all the main electrical and electronic components. Just remove the screws that hold it in place and slide it out. You can even disconnect the power cord and ship the whole thing back to Skutt for testing if necessary.



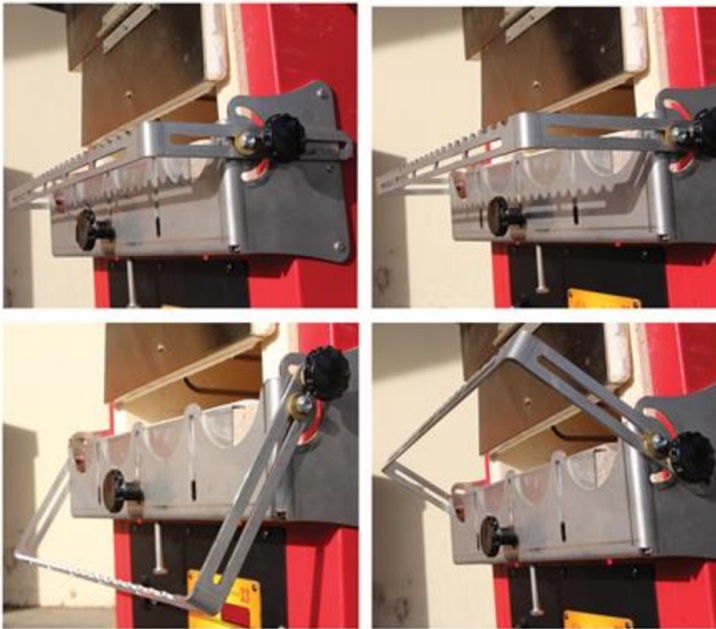
One of the most problematic components of kilns has traditionally been the relays. Mechanical relays have a limited life which is why Skutt has upgraded all Scarab Kilns with **Solid State Relays**. These relays are kept cool with a **fan mounted in the side** of the kiln (not necessary on the Mini Scarab because the Amps are so low).

Carry Handles

Did I mention these kilns are heavy? Every Scarab kiln is equipped with two pairs of handles so the can be moved easier. The handles are ergonomically placed to balance the weight while you are carrying it and also positioned low enough so you can lift it onto a table.



Optional Secondary Point Rest



The Optional Secondary Point Rests, **another unique design of Marcel Braun**, are generally ordered on just about every Scarab that goes out of here. Flameworkers love its ability to hold long handles, preventing their work from popping up off the floor. Its well thought out design allows you to move the rest to almost any position you want. It not only moves in and out but also moves up and down. The scalloped edge ensures that your rods will stay in place. **Do Not Forget To Order This Upgrade.**

Optional Stand

Purchasing the Optional Stand available for the Scarab and Mini Scarab is one of the smartest decisions you can make. Granted, it is not cheap...but that is because...well...IT'S NOT CHEAP. Did I mention these things are heavy?

These stands are built to not only hold the weight, but also to roll around. Think how nice it would be to roll your kiln out to your pickup and then back out to your demo location. Believe me, having moved literally a ton of these kilns, it makes a difference.

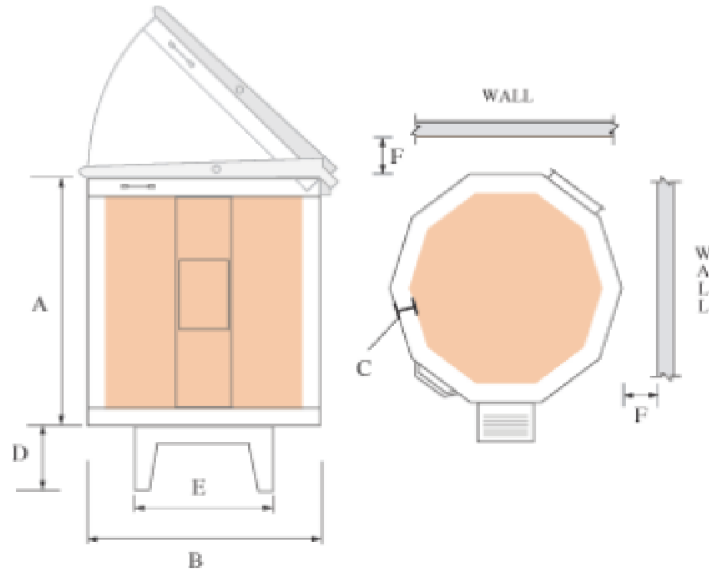
The stands are constructed of heavy duty square tubing and are equipped with high quality locking metal wheels (won't develop flat spots if they sit too long). It also has a convenient, built in, expanded metal tray that will catch falling glass and provides a place for your tools.



Pictured with old design. New design has metal wheels.

PRODUCT SPECIFICATIONS AND DIMENSIONS

DIMENSIONS



Model	Phase	Volts	Maximum		Power		Copper Wire Size	NEMA Receptacle	BTU's
			Cone	Temp(F)	Amps	Watts			
SCARAB	1	240	0	1700	27	6480	8	6 - 50	8800

O.D. Dimensions					
A	B	C	D	E	F
32	36	3	-	-	18

CHAMBER CAPACITY

Approximately 27 in. x 16 in. opening and 12 in. high. 3 cubic feet.

Depth	Opening Width	Opening Length	Cubic Ft.
12 in.	27in.	16in.	3

Controller

Thermocouple: -
 Clock: 60 Mhz
 Voltage: 0 DC Relays
 Output: 0 Volts DC
 Fuse: 0.5 AMP



ACCESSORIES

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 steel castors on models designed for large kilns. Steel castors will not develop flat spots if they sit too long in one spot unlike rubber or plastic wheels. 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.



Kiln Stands

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"				

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): 460

Skutt Kilns should arrive fully assembled.

Packed with the kiln you will find the following items:

- Extra Thermocouple (unless Type S)