

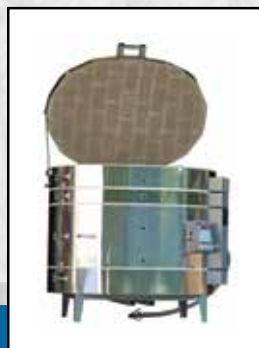


# OLYMPIC KILNS

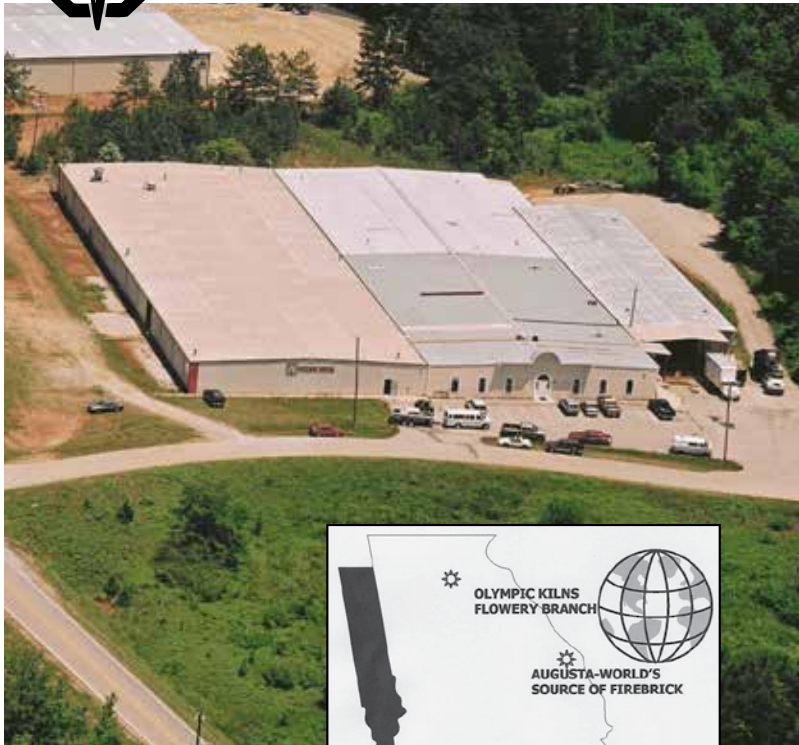
BUILT BETTER, BUILT TO LAST

## ELECTRIC & GAS KILNS

GREATKILNS.COM



*More Choices • More Styles • More Models • More Shapes*



**Go green! Stay green!** Olympic electric kilns are built for extreme energy efficiency. An Olympic kiln allows you to achieve the desired results without the high energy consumption. Check our *Kiln Assistance* page at [www.greatkilns.com](http://www.greatkilns.com) to figure estimated electrical firing costs for your Olympic kiln.

Olympic Kilns began manufacturing kilns in Seattle, Washington in 1971 and derives its name from the Olympic Mountains. As the company grew so did its product lines to include electric, gas and glass kilns for the hobbyist, production artist and manufacturer of finished fired ware.

Olympic Kilns moved in 1982 to Georgia to be near its raw materials, insulating firebrick, to eliminate excess costs both to the company and its customers. The company resides in Flowery Branch, Georgia, located 45 miles northeast of Atlanta and provides more models, styles and types of kilns than any other kiln manufacturer today.

We are excited about the present and the future of Olympic Kilns. We have evolved from a small company to an international business,



**Robert (Bob) Haugen, Founder and CEO,** began the company in 1971. He has a masters in ceramic engineering from the University of Washington and his interest in building kilns was generated while working on the NASA heat shields for the space shuttles in graduate school. His vision and design expertise fosters a spirit of excellence throughout the company.



**Robert (Rob) Haugen, President,** began working in the company business at an early age. After graduation from the University of Georgia, with a bachelors' degree in economics, Rob joined the business fulltime to help his father continue the vision for Olympic Kilns. Rob's business savvy keeps company costs low in order to pass the savings onto our customers, while at the same time, moving forward with new techniques and equipment that increase Olympic Kilns efficiencies.

maintaining our small business values both to our employees and our customers. We work with a strong management team that has a hands-on approach to business and we continue to have direct contact with our customers to determine new market needs as well as troubleshoot problems when they occur.

Manufacturing kilns is a unique business and the opportunity to learn from our customers creates a drive and urgency to meet their needs, and helps us grow personally and as a company.

Our basic philosophy is to work smart and provide quality products to acquire and keep your business. That hasn't changed from day one!





**You demand robust, dependable equipment.  
Olympic electric kilns perform firing after firing.**



Our Large Capacity electric kilns and electric car kilns walls are 4 ½" thick constructed of insulating brick, 1" ceramic fiber board and 1" air space created by the tube frame. The design results in an energy efficient kiln with a cooler surface and outside temperature. Equip your kiln with solid state or mercury relays and choose either touchscreen or digital electronic controllers to fire programs. You may need a large kiln but not quite as big as the Olympic Large Capacity electric kilns. We have some mighty powerful workhorses in our ovals, round and square Cone 10 electric models. These models are built with 3" thick firebrick for extra insulation and energy efficiency.

Whatever size or style electric kiln you may need, Olympic produces powerful performing equipment.



## Before Purchasing Your Electric Kiln

### Determine Kiln Location

- Adequate space – at least 12 inches of space between the kiln and the wall. (However, for operator comfort, allow room to walk around the kiln if maintenance is required. Stackable kilns require tightening of the kiln rings while firing for proper alignment.)
- All flammable materials such as curtains, plastics, etc. in the area of the kiln should be removed.
- Choose a dry, well-ventilated area with good access to allow easy loading and unloading, yet out of the way of children and other activities.
- Position the kiln with the observation holes clearly visible and the electronic controller within easy reach.
- For kilns equipped with a power cord, place the kiln to the left of the proper electrical outlet so that the kiln can be plugged in without the cord touching the metal jacket.
- Because all kilns generate heat, the stand or frame should be placed on a cement floor. Tiles or linoleum could be damaged without this precaution.
- If the kiln is to be placed outside, ensure that moisture is not permitted. Use a roof over the kiln or some type of water resistant tarp when the kiln is not being fired.
- Remember to use sheet metal or non-flammable material to shim the legs when leveling the kiln.

### POWER – ELECTRICAL HOOK-UP

Your new kiln must have the proper outlet and breaker to supply adequate voltage, amperage and provide the performance it is designed to give. An incorrect connection may cause disappointing or even hazardous results. A qualified electrician needs to be consulted to determine whether your wiring is adequate.

Electric kilns running on 120 volts will plug into a standard outlet if the power cord is NEMA 5-15 but will require a NEMA 5-20 receptacle if the power cord is 5-20. Standard kilns will run on 240 volts, single phase. If your kiln was ordered 208 volts, single or three-phase power, it will be noted on the nameplate on the kiln. Commercial electric kilns may be wired for 240, 208, 380, or 480 volts; single or three phase. Most commercial kilns require direct wiring and a receptacle outlet is not required. Any kiln ordered three-phase will be direct wired.

## Smarter Investing:

*Consider what you will be firing for the coming year ...*

*What types of firings you will be doing – pottery, ceramics, glass, heat treating, annealing, casting, fusing?*

*What size pieces will you be working with – width and height?*

*Power available to you for kiln equipment – 120 volts? 240 volts? 208 volts? 480 volts? Single or 3 phase wiring?*

## Receiving Your Kiln Shipment

Olympic Kilns packs and ships its merchandise so that it will arrive at its destination undamaged. Olympic orders are FOB origin when they leave our loading dock. This means we hold the carrier's receipt that your order left in good condition. We do not allow any deductions from invoices for damaged ware.

It is the receiver's responsibility to understand and comply with practices as described in this section. *The carrier is responsible for transporting your freight but not for unloading it.*





Ground services, such as UPS, will deliver smaller shipments to your door. However, for shipments delivered by freight carrier, a lift gate is required if you do not have a loading dock.

If you do not have a loading dock, a lift gate for transporting the freight from the truck to ground level is required upon delivery. You will need to request lift gate service when ordering your kiln from your Olympic dealer. Otherwise, additional freight charges will be incurred upon delivery of freight. It is your responsibility to move the freight from the truck to its place of use.

If you do not have a loading dock, a lift gate for kilns on pallets no larger than 6 ft. x 6 ft. is available for transporting the freight from the truck to ground level.

Olympic Kilns clamshell commercial glass kilns and electric and gas kiln models that are 17 cubic feet and larger cannot be shipped on pallets as small as 6 ft. x 6 ft. You will need to have a forklift that can move the kiln from the truck to the desired location. If you do not have access to a forklift, check your phone or web directory for small moving companies that can take the freight off the long distance carrier and move the freight to the desired location. Give any prospective mover a physical description and the weight of the kiln, and inform them that it is designed to be picked up with a pallet truck or forklift only. Check several sources for quotes so that you can get the best price.

# ELECTRONIC CONTROLLER OPTIONS

| Bartlett Instruments<br>Electronic Controllers<br>www.bartinst.com                         | GENESIS   | V6-CF   | RTC-1000   | 3K-CF   |
|--|---|---|--|---|
|  |  |  |  |  |
| FEATURES   |   |   |  |   |
| Keypad   | Touchscreen   | 24 key membrane switch  | 12 key   | 3 key momentary switch with overlay   |
| No. of Thermocouples or Zones  | 1 to 3  | 1 to 3  | 1 to 3   | 1   |
| Thermocouple Type  | K, S, or R  | K, S, or R  | K or S   | K   |
| Method of Control  | PID   | PID   | PID  | on/off  |
| Vary-Fire (Ramp/Hold)  | Stores up to 30 user programs   | Stores up to 6 programs (last fired program remains in memory)                    | Stores up to 6 programs (last fired program remains in memory)                     | Stores up to 4 programs (last fired program remains in memory)                      |
| Segments per program<br>(each segment has a ramp rate to a temperature, and a soak period) | Up to 32 segments per program   | 8 (can combine User program 5 and 6 to get a 16 segment program)                  | 8 (can combine User programs 5 and 6 to get a 16 segment program)                  | 8   |
| Skip-Step (move from one segment to the next ramp)   | Yes   | Yes   | Yes  | Yes   |
| Add Time (to current hold period)  | Yes   | No  | Yes (adds time in 5 minute increments)   | Yes   |
| Preset Cone Fire Programs  | 4 Speeds (Slow, Medium, Slow, Medium, Fast)                                       | 4 Speeds (Slow Bisque, Fast Bisque, Slow Glaze, Fast Glaze)                       | 3 Speeds (Slow, Medium, Fast)  | 3 Speeds (Slow, Medium, Fast)   |
| Cone Fire to Ramp Hold   | Yes   | Yes   | No   | Yes   |
| Temperature Scale  | °F or °C  | °F or °C  | °F or °C   | °F or °C  |
| Multi Zone Control   | Yes   | Yes   | Yes  | No  |
| Delay Start  | Yes   | Yes   | Yes  | Yes   |
| Alarm  | Yes   | Yes   | Yes  | No  |
| Error Codes  | Yes   | Yes   | Yes  | Limited (power failure, t/c FAIL, t/c leads reversed)                               |
| Cost of Firing Calculation   | Yes   | No  | Yes  | No  |
| Diagnostics  | Yes   | Yes   | Yes  | No  |
| Wi-Fi Ready  | Yes   | No  | No   | No  |
| Wi-Fi enabled for easy software updating   | Yes   | No  | No   | No  |
| Compatible with KISS Computer interface  | No  | Yes   | Yes  | No  |
| Data Graphing  | Yes   | No  | No   | No  |
| Monitor Firing with Phone App  | Yes   | No  | No   | No  |

## Electronic Wall Unit

Electronic wall units are designed to make a manual kiln (equipped with a pyrometer or kiln sitter) into an electronically-controlled kiln. The kiln sitter remains on the kiln and electronic controller housed in the wall unit is positioned on the wall beside the kiln.

1. Attach wall mount control vertically to wall.
2. Plug or direct-wire wall unit to the power source.
3. Plug or direct-wire the kiln into the wall unit.
4. Drill a hole the size of the thermocouple through the kiln wall and insert thermocouple from wall unit into the kiln. Insert thermocouple approximately 1" inside the kiln.
5. Place a junior cone that is one size hotter than you intend to fire into the kiln sitter and activate the kiln sitter.
6. Turn all switches on the kiln to the high setting.
7. Read electronic controller instruction manual thoroughly and follow programming instructions that best suit your firing requirements.

The 3 Key-Cone Fire, Genesis, V6-CF and RTC-1000 controllers are available as wall units. Wall units are built by voltage for 120 volts kilns and by amperage for all other models.

- 120 volt wall unit
- 30-50-100 amp wall units
- 3-phase wiring (additional charges)



# 120 VOLT KILNS

## FOR CERAMICS, GLASS & PMC



HB64E  
6.5" x 6.5" w x 4.5" d



HotBox E  
6.5" x 6.5" w x 6.5" d



HB84E  
8" x 8" w x 4.5" d



HB86E  
8" x 8" w x 6.5" d



HB86E with Bead Collar  
8" x 8" w x 11" d

**Olympic 120 volt kilns** have a wide range of firing options. Small and compact, the models are great for testing, glass, PMC, jewelry-making, doll-making, porcelain, blades, and china painting firings. Choose the size and shape that works and enjoy firing your pieces on 120 volts.

**HotBoxes** (HB) are square in design and fire to Cone 10 – 2350°F/1288°C. The HB89E has a hinged lid, but the HB64E, HotBox E, HB84E and HB86E do not. Blank or Bead Collars are an available option to add depth to the kiln. Because of the size of the HotBoxes, the 3 Key-Cone Fire Controller is the controller installed on these models, excluding the HB89E, which is large enough to house the V6-CF digital controller.

Olympic multi-sided 120 volt kilns provide more kiln space for larger items. These models are designed to be used anywhere without the limitations of higher voltage requirements. All HotBoxes and the Doll/Test kiln fire to Cone 10 – 2350°F/1288°C. The 129E fires to Cone 6 – 2250°F/1232°C, the 1214-120E fires to Cone 4 – 2100°F/1148°C, and the Traveler fires to 2000°F/1093°C.



HB89E with Hinged Lid  
8" x 8" w x 9" d



Doll/Test  
11.25" x 7" w  
x 9" d



129E  
11.25" w 9" d  
Comes with  
18" tall stand



1214-120E  
11.25" w x 13.5" d



Traveler  
Outside dimensions – open:  
23" w x 19" d x 47.25" h



Traveler  
Inside dimensions:  
11.5" x 11.5" w x 11" h

Traveler  
Outside dimensions – closed:  
23" w x 21" d x 28.25" h

Portable and versatile sums up the Olympic's 120 volt models but the **Traveler** heads the list.

The Traveler's lid element provides glass fusing capabilities and the height of the chamber gives ample space for taller items. The folding lid makes the Traveler easy to pack in most vehicles and once you reach your destination, the wheels make it a breeze to move. Traveler fires to 2000°F/1093°C and may be equipped with 3 key or 12 key controller.



## 120 VOLT FRONT LOADING

120 volt front-loading model doors may be designed as side hinged, bottom hinged (the door unlatches and opens in the down position) or with an optional guillotine lift, which lifts the door open above the firing chamber. The 129FLE and the 139 FLE fire to Cone 6 – 2250°F/1232°C.



129FLE with  
Guillotine Lift

129FLE  
11.25" w x 9" d x 9.75" h @ peak



129FLE with  
Side Hinged Door



139FLE  
Bottom Hinged Door

139FLE  
12.5" w x 9" d x 7.75" h @ peak



139FLE with  
Side Hinged Door

## 240-208 VOLT FRONT LOADING & BLADE WORK

The Olympic front-loading multi-purpose kilns are ideal for jewelry, glass beads, enameling, lampworking and ceramics. Models are available to run on 240 or 208 volt. The front-loading feature allows easy access while the kiln is hot and a vent hole in the top of the firing chamber allows for the escape of wax and other vapors when the kiln is being used for wax burnout. Front loaders equipped with an electronic controller give accurate temperature control, essential for blade, jewelry and enamel work. An observation hole provides a view of the inside of the kiln during firing. 240-208 volt front-loading model doors are designed as either bottom-hinged (the door unlatches and opens in the down position) or with an optional guillotine lift, which lifts the door open above the firing chamber.

Top loading Blade kilns can be built in any size width or depth. Blade models are designed for production work and come equipped with stainless steel rods to hang blades vertically when heat-treating. A gas inlet is included on the kiln to control the atmosphere with inert gas. The Studio Front Loading and Blade models fire to Cone 8 – 2300°F/1260°C.



1818FLE  
17.5" w x 18" d x 12" h @ peak  
Shown with Guillotine Lift Option



1823FLE  
17.5" w x 22.5" d x 12" h @ peak



Blade 1418E  
14.5" w x 18" d



## CREATE BEAUTIFUL RAKU PIECES IN AN ELECTRIC KILN



### Fire Ceramics & Glass in One Easy Loading Kiln

The TopHat and Electric Raku firing chambers are designed to keep heat inside when it is lifted up for fast turn-around. These models with their design provide easy access to your work on all sides of the kiln.

You can do it all in an Olympic Electric Raku or TopHat – raku, bisque, glaze and glass fire!



TopHat 189  
17.5" w x 9" d



Hand Crank to lift firing chamber



TopHat 2323  
23 3/8" w x 22 1/2" d



1214E Raku  
11.25" w x 13.5" d

**120 VOLT  
TOO!**

## 240-208 VOLT DUAL MEDIA KILNS

Olympic's Dual Media (DM) kilns are designed for firing ceramics and glass. Dual Media models are built with 3" brick for energy efficiency and will fire to 2350°F/1288°C for high firing pottery and ceramic projects. A lid element for glass fusing is included and is activated by an infinite switch. Any 240 or 208 top loading model can be built for dual media firing, so model selection is endless and can be determined by you. Dual Media 23" wide and larger are equipped with a lid lift assist for easy opening and closing of the kiln lid.



DM2323HE  
23 3/8" w x 22.5" d



DM3018HE  
30" front-to-back x 42" w x 18" d



## 240-208 VOLT SMALL HIGH FIRE TEST

The Olympic 1214HE, 1414HE and SQ169HE test kilns are a crucial tool for high production studio potters. Their small size makes them ideal for developing and trying new glaze recipes as well as running a new batch of glaze to see results before putting it on a full load of ware. The High Fire Test kilns are very efficient for firing smaller loads when not in use for testing. Olympic Kilns small test kilns are powered to run on 240-208 volt and high fire to cone 10 -2350°F /1288°C . The models are small yet larger than the typical 120 volt test kiln. Choose from cylindrical 12" - 14" wide or square 16" wide models equipped with electronic controllers for accurate programming to match results when items are fired in a larger production kiln.



**1214-240HE**  
11.25" w x 13.5" d



**Square 169HE**  
16.5" x 16.5" w x 9" d  
Available with short or tall stand



**1414HE**  
14.5" w x 13.5" d

## 240-208 VOLT 18" WIDE STACKABLE

Stackable 18" wide electric kiln models can be used in the home, school or studio. The kilns come apart in sections, making it easy to move to another location or through a small opening, and because they are stackable 18" maintenance work is easily accessible when work is only required on one section of the kiln. Models are cylindrical in shape, top-loading with multiple widths and depths. Models built with 2 ½" brick fire to cone 8 – 2300°F/1260°C. Cone 10 model (fire to 2350°F/1288°C) names are designated with a "H" for high fire and are built with 3" brick for extra insulation and energy efficiency. The cone 10 models maintain the same interior width as the cone 8 versions but fire to higher temperatures, so the same shelving can be used for both models. Stackable 18" wide electric kilns are equipped with an electronic controller providing automatic programming for cone fire methods or ramp-hold firings, an 8" stand, observation plugs and instruction manual.



**1818HE**  
17.5" w x 18" d



**1823HE**  
17.5" w x 22.5" d



**1827HE**  
17.5" w x 27" d



## What Makes an Olympic 23H" & 28H" Kiln a Better Choice?

- **Smart Investment** – Olympic 23H" and 28H" models are recognized as a smart investment because of longevity and durability. These models are perfect for the classroom because they are tough and can handle continuous firings.
- **Extra Insulation** – Energy Efficiency - The 23H" and 28H" models are built with 3-inch brick which provides extra insulation resulting in energy efficiency. Olympic's proven electrical box design, with heat shields and perforations, in the top and bottom, keep the electrical components cool. Balanced heating elements insure even heating of the firing chamber under all firing conditions.
- **Stackable** – Olympic 23H" and 28H" models are stackable because they are built in sections. This means the kiln can be easily taken apart or changed in size without having to remove the entire electrical box.
- **Versatility** – Olympic 23H & 28H models come in depths ranging from 18", 22 1/2", 27" and 31 1/2" deep. You can add an optional lid element enabling your kiln to fire both ceramics and glass.
- **Electronic Controller Choice** – You can equip your kiln with a one of the four electronic controllers Olympic carries based on what works best for you. Choose either the 3 Key/Cone Fire, digital V6-CF or RTC-1000, or the Genesis touchscreen controller.
- **Lid Lift** – Olympic 23H" and 28H" models are built with Lid Lift Assists for easy opening or closing of kiln lid.
- **Multiple Options** – Choose from additional accessories to enhance your kiln, including 2-3 zone control, solid state or mercury relays, castors, and/or an automatic lid shut-off.
- **Customer Service** – we love our products and we love our customers! We're here for you when you need assistance.

***A Better Choice –  
Olympic 23H" & 28H" Kilns!  
Cone 10 – 2350°F/1288°C***

## READY, WILLING & ABLE

These big, bad oval boys are wired single or three phase and their walls are built with 3" thick firebrick providing extra insulation resulting in more energy efficiency. We'll wire and build the Oval to tailored to your electrical specifications. They ride hard, can handle large loads and unusual size pieces. Ovals are equipped with standard relays but optional solid state or mercury relays are always a choice. Olympic Ovals are equipped with touchscreen or digital electronic controllers you can control from your PC. These big, bad boys are equipped with a lid assist for easy opening and closing of the kiln lid and the top ring has a 2" brick lip for added strength.



### Big, Bad Boy Olympic Ovals Cone 10 – 2350°F/1288°C

#### 30" WIDE MODELS

2018HE 30" w x 20" d x 20" h  
2023HE 30" w x 20" d x 24.5" h  
2027HE 30" w x 20" d x 29" h

#### 37" WIDE MODELS

2518HE 37" w x 25" d x 20" h  
2523HE 37" w x 25" d x 24.5" h  
2527HE 37" w x 25" d x 29" h  
2531HE 37" w x 25" d x 33.5" h

#### 42" WIDE MODELS

3018HE 42" w x 30" d x 20" h  
3023HE 42" w x 30" d x 24.5" h  
3027HE 42" w x 30" d x 29" h  
3031HE 42" w x 30" d x 33.5" h



## GET THE FULL KILN DEAL



Every Freedom Package is turn-key. Each Freedom kiln is equipped with a 12-key digital controller for cone-fire and ramp/hold programming, kiln furniture kit, VentMaster, and a Freedom Kit containing an Assorted Stilt Package for glazing ware, two elements with element pins and high temp connectors, a thermocouple, a pint of mortar, and a crimping tool. You're ready to fire, ready for fun!

And you can size up with seven (7) Freedom cone 10 models. sizes range from the petite Freedom 1414HE, 14 1/2" wide x 13.5" deep, to the super size Freedom 2527HE, 37" wide x 25" front to back x 29" deep. Upgrade options are available, such as the Genesis touchscreen controller, solid state or mercury relays, castors to be able to wheel the kiln around, and a lid element for fusing glass, to name a few.

**SO MUCH FREEDOM, SO MUCH FUN!**

**Every Freedom Kit includes:**

- 2 Elements with Element Pins and Hi-Temp Connectors
- Crimping Tool
- Thermocouple
- Pint of Mortar
- Assorted Stilt Package
- Freedom Kiln Wiring Schematic

**Freedom Kit –**  
+ \$200 value of merchandise for FREE!

**The Freedom Package –**  
Freedom Kiln with Accessories  
Furniture Kit – Shelves, Posts & Kiln Wash  
VentMaster  
Freedom Kit

# MEDALLION ARTIST SERIES



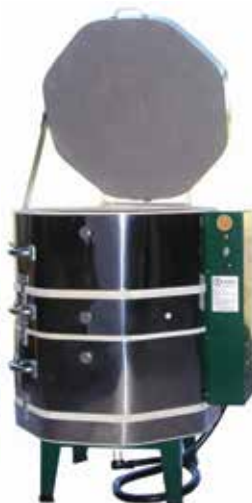
*Go Green with a Dream Machine that Saves You Green!*

## OLYMPIC'S MEDALLION ARTIST SERIES

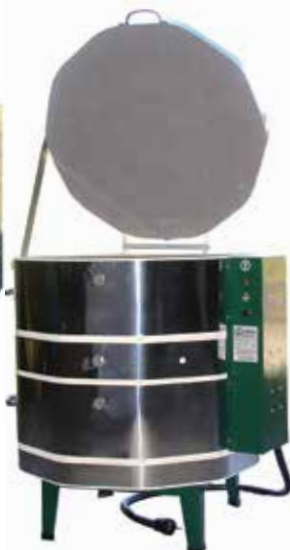
STUDIO LINE OF ELECTRIC KILNS



MAS1818HE  
17.5" w x 18" d



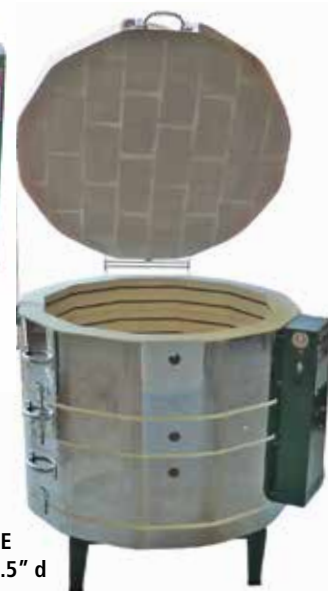
MAS1823HE  
17.5" w x 22.5" d



MAS2323HE  
23 3/8" w x 22.5" d

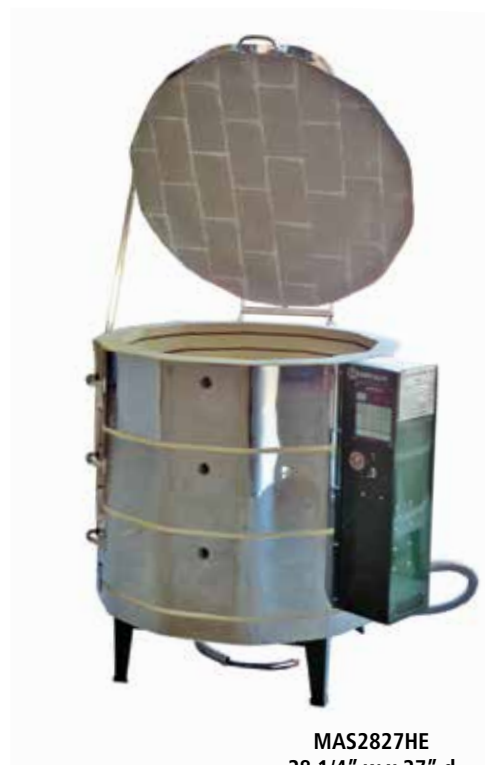


MAS2327HE  
23 3/8" w x 27" d



MAS2823HE  
28 1/4" w x 22.5" d

- Go green by saving dollars buying a Medallion Artist Kiln.
- Go green with green electrical boxes
- Go green with less energy consumption using 3" brick which provides extra insulation for more efficient firings
- Go green with high fire cone 10 kilns
- Go green with six models to choose: MAS1818HE, MAS1823HE, MAS2323HE, MAS2327HE, MAS2823HE, MAS2827HE
- Go green with kilns equipped with an electronic controller for convenient, precise firings



MAS2827HE  
28 1/4" w x 27" d



Solid green electrical box houses either a 12-key or 3-key controller with cone fire & ramp/hold programming

Lid Lift Assist is an available option for any Medallion model



## FRONT & TOP LOADING, GUILLOTINE LIFT & CAR LOADING DESIGNED FOR LONG LIFE AND LARGE CAPACITY LOADS.

Olympic Kiln builds affordable, powerful electric Large Capacity kilns for the production potter or company where creating large quantities or big pieces is a priority. Users are provided with equipment that handles large capacity loads with ease, and best of all, is affordable. Our Large Capacity electric kilns have many outstanding features and can be designed as top or front-loading, guillotine lift, and as a car kiln with removable floor and door for convenient loading and unloading. The frames of the Large Capacity electric kilns are built of heavy angle iron and metal tubing. Kiln walls are 4 1/2" insulating brick with 1" ceramic fiberboard and 1" air space created by the tube frame. The result is an energy efficient electric Large Capacity kiln with a cooler skin and outside temperature. Olympic Large Capacity electric kilns fire to Cone 10 – 2350°F/1288°C.



**FL8E**  
24" w x 24" d x 24" h  
8 cubic feet  
Shown with optional castors



**FL20E**  
28" w x 28" d x 45" h  
20 cubic feet



**FL12E with Guillotine Lift**  
24" w x 24" d x 36" h  
12.1 cubic feet



**TL5432E**  
54" w x 36" d x 32" h  
36 cubic feet



**FL31E**  
36" w x 36" d x 41.5" h  
31 cubic feet with floor element  
Shown with optional right to left  
opening door





Custom FL78E  
60 cubic feet Car Kiln

Olympic's Large Capacity electric models are built with double insulated floors consisting of brick and ceramic fiberboard. The doors are built with heavier steel. The 4 1/2" brick insert, for the elements in the front-loading models, is backed by 1" x 1" steel tubing and 1" ceramic fiberboard. The ceramic fiber in the door or lid is energy efficient and forms a tight seal between the opening and body of the kiln. Top loading electric kiln walls and floors are constructed of brick and board insulation, and modern pyro-brick modules comprise the easy opening counter-sprung lid. There is a binder in the ceramic board insulation that will emit an odor during the first firing. This is normal and will not occur after the first firing.

Floor elements, when selected as an option, are controlled by infinite switches which can be adjusted by the kiln operator as needed. All Large Capacity electric kilns are equipped with heavy gauge elements and industrial relays for long life. Olympic Large Capacity electric kiln electrical boxes are hinged for easy access for kiln maintenance. Custom-made Large Capacity electric kilns quoted upon request.



Olympic car kilns are built with a roll out door and floor. Door elements are standard and floor elements are an optional feature. The car tracks are 6 feet long for ample space to load and unload ware. High volume electric kilns and car kilns are equipped with their own breaker boxes for safety and lockout. A power cord connects floor element to electrical box when door is closed.



- 3 Phase Wiring
- 120, 240, 208, 480 volt
- 2 or 3 Zone – Two or three thermocouples installed inside kiln to regulate temperatures at the top, center and bottom sections of the kiln
- Automatic Lid Shut-off – Element shut-off when the lid is opened
- Blank Rings for Stackable 18", 23", 28" & Oval Models
- Castors – Kiln Wheels for Studio & Large Capacity Models (Not for after-market installation. Must be installed when kiln is built.)
- CE Wiring – European wiring
- Dual Media – Lid element addition to non-dual media model at the time of ordering
- Furniture Kits (assorted shelves and posts for each model and kiln wash)
- Lid Lift Assist – Smaller kilns that do not come standard with a lid assist
- Electro Sitter – Makes any brand manual kiln an electronic kiln
- Electronic Wall Unit – 120 volt, 30 – 50 Amp, 100 Amp
- Guillotine Lift for Front Loading Studio & Large Capacity Kilns
- Kiln Wash – 1 & 5 lb. bags
- KISS Kiln Interface Software System – PC monitor and control kiln firing
- Observation Hole Plugs
- Pyrometer – Analog & Digital with Type K Thermocouple
- Raku Tongs–38" long for gripping ware when rakuing
- Shelf Rack for Large Capacity Kilns – Built into the frame underneath the firing chamber to store shelving
- Square Kiln Posts – small & large
- Type S Thermocouple
- VentMaster – Downdraft vent system for electric kilns
- VentMaster Expansion Kit – Downdraft vent system for two electric kilns to run off the same vent

## THE EPK – ELECTRICAL PARTS KIT

Olympic Kilns EPK – Electrical Parts Kit – provides all the electrical components you need to revive, restore and extend the life of your kiln.



The EPK includes a full set of elements for the specific model, high temp connectors, element pins, transformer, fuse, crimping tool, pint of mortar, lead wires with slip-on connectors, thermocouple, and relays. Never experience down time again because you didn't have a part on hand. Keep your great kiln a great kiln with an EPK. And you receive significant savings when purchasing an EPK compared to purchasing individual parts. Contact your Olympic Kilns distributor to order and specify your model and serial number with the voltage and wiring – single or three phase.

## CHOICE OF 4 CONTROLLER BOARDS



Electro Sitter will replace your obsolete kiln sitter model! The Electro Sitter comes complete with electronic controller of your choice for cone-fire or ramp/hold programming, an attached Type K thermocouple, ceramic fiber, and electronic controller manual.

Installation is easy. The Electro Sitter will fit where the kiln sitter/timer is attached to the kiln. Simply remove the screws from the kiln sitter on the front of the kiln, then detach wires connecting to the kiln sitter. Wires will be attached to the back of the Electro Sitter exactly as they were attached to the kiln sitter terminal block. The thermocouple from the Electro Sitter goes through the kiln sitter hole and is exposed 1" inside the kiln. Use fiber to fill space in kiln sitter hole. After the Electro Sitter is installed, read the controller manual that came with it. When you are ready to program the controller, turn kiln switches to high. You now have an electronically controlled kiln!

Electro Sitters may be used in any brand kiln that has a kiln sitter. The units are rated up to 50 amps, higher amperages available at an additional charge.



Back of Electro Sitter



Install the Electro Sitter in the same location as the former kiln sitter plate, on the front of the electrical box. Connect wires to the back of the Electro Sitter like the wires were connected to the back of the kiln sitter.



Insert thermocouple with ceramic fiber through kiln sitter hole. The thermocouple will show through the brick (maximum exposure is 1"). Pack kiln sitter hole with ceramic fiber to seal it.



Install Electro Sitter in the same location as the former kiln sitter plate.



Attach electrical box and your kiln is electronically controlled with the Electro Sitter.

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*Read the electronic controller instruction manual that accompanies your Electro Sitter. When you are ready to program the electronic controller, turn switches to HIGH. Enter your program and begin many happy firings!*

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**DOWNDRAFT  
GAS KILNS**



**UPDRAFT GAS KILNS**

**You demand robust, dependable equipment.**

**Olympic high fire cone 10 DownDraft & UpDraft gas kilns perform firing after firing.**

Bisque, Raku, Reduce and Glaze in Olympic Gas kilns. The frames of the Olympic DownDraft gas and gas car kilns are built of heavy angle iron and metal tubing. Kiln walls are 4 ½" insulating firebrick with 1" ceramic fiberboard and 1" air space created by the tube frame. The exterior of the DownDraft kilns are durable stainless steel. Fiber and brick DownDrafts are built with double insulated floors, consisting of brick and ceramic fiberboard. The additional strength and insulation enables the kiln to fire at high temperatures, and to maintain temperatures, without damage or deterioration. The roofs of the Olympic DownDrafts are designed with bolt in pyro-block modules for energy efficiency and easy repairs. The DownDraft car kilns have a heavy gauge iron track for rolling the kiln floor and door in and out of the kiln chamber. Burners can be built on the side of the kiln chamber or forced-air burners are an available option.

Olympic UpDraft gas kilns are constructed from durable firebrick and are equipped with venturi burner systems to ensure even temperature firings. Raku and Torchbearer gas kilns with their portability offer many advantages such as low initial cost, convenient movement for demonstration use and in situations where space does not permit the installation of large permanent kilns. The multiple burner configuration gives the Raku and Torchbearer gas kilns even heating characteristics, fast controllable firing times and economical operation.

## Before Purchasing Your Gas Kiln

### Determine Kiln Location

- Adequate space – at least 12 inches of space between the kiln and the wall. All flammable materials such as curtains, plastics, etc. in the area of the kiln should be removed.
- Proper ventilation – if the kiln is located in a confined area, it is essential that an exhaust hood be placed above the kiln and vented to the outside. This ensures removal of heat and exhaust gases including carbon monoxide. Even if the kiln is outside, be sure that the hot exhaust gases do not cause damage.
- A 120 volt outlet will be needed if either the High Limit Controller or Auto-Cone were purchased with the kiln.
- Torchbearer, Raku and the DownDraft 9 models require a 3/4" gas pipeline; however if the kiln is a long distance from the gas source, a 1" pipeline may be necessary. The 1" gas pipeline is required on all other DownDraft models.
- Because all kilns generate heat, the burner system/stand should be placed on a cement floor. Tiles or linoleum could be damaged without this precaution. It is important that the kiln be fired only on the metal stand or frame provided. The height of the burner system/frame (11") is necessary for proper burner positioning and adequate cooling beneath the kiln. Remember to use sheet metal or non-flammable material to shim the legs when leveling the kiln.
- If the kiln is to be placed outside, ensure that moisture is not permitted. Use a roof over the kiln or some type of water resistant tarp when the kiln is not being fired.

### Gas Usage

#### Propane

Olympic gas kilns burners are factory set for use on either propane or natural gas determined by the customer's order. If propane is used, your tank must have a low-pressure regulator like those on a camper or trailer. If an adjustable regulator is used approximately ½ pound of pressure is necessary. The larger the tank the better; however, a five (5) gallon tank is the minimum size for the 1827G or 18 Raku and a 15 gallon tank is the minimum size for the 2327G/23 Raku and 2827G/28 Raku kilns. Due to gas flow, the propane tank may have a tendency to freeze solid. If ice is observed forming on the outside of the tank, water can be run over it to help keep it melted. The tank can also be lowered into a large bucket of warm water.

The table below is the minimum size tank for a cone 10 firing for each DownDraft model. You need to purchase a larger tank than the cone 10 firing requirement so that you are not refilling the tank after each firing.

|      |    |      |    |
|------|----|------|----|
| DD9  | 10 | DD20 | 24 |
| DD12 | 15 | DD24 | 29 |
| DD14 | 18 | DD30 | 40 |
| DD17 | 21 | DD40 | 48 |

#### Natural Gas

A larger burner orifice is necessary when used on household gas pressure of six (6) to eight (8) inches of water column. If your kiln was ordered for use on household natural gas, it is equipped this way.

## Receiving Your Kiln Shipment

Olympic Kilns packs and ships its merchandise so that it will arrive at its destination undamaged. Olympic orders are FOB origin when they leave our loading dock. This means we hold the carrier's receipt that your order left in good condition. We do not allow any deductions from invoices for damaged ware.

It is the receiver's responsibility to understand and comply with, practices as described in this section. The carrier is responsible for transporting your freight but not for unloading it.

Shipments delivered by freight carrier require a lift gate if a loading dock is not available at the delivery location. If you do not have a loading dock a lift gate for kilns on pallets no larger than 6 ft. x 6 ft. is available for transporting the freight from the truck to ground level.

You will need to request lift gate service when ordering your kiln from your Olympic dealer. Otherwise additional freight charges will be incurred upon delivery of freight. It is your responsibility to move the freight from the truck to its place of use.

Olympic gas kiln models 17 cubic feet and larger cannot be shipped on pallets as small as 6 ft. x 6 ft. You will need to have a forklift that can move the kiln from the truck to the desired location. If you do not have access to a forklift, check your phone or web directory for small moving companies that can take the freight off the long distance carrier and move the freight to the desired location. Give any prospective mover a physical description of the kiln, the weight, and inform them that it is designed to be picked up with a pallet truck or forklift only. Check several sources for quotes so that you can get the best price.

## RAKU & TORCHBEARER MODELS

Olympic Raku designed models firing chambers retain the heat when lifted up with a hand crank and provide fast turn-around time when raking. Rakus provide easy access all around the kiln to the pieces being fired. The Torchbearer style is a top loading stackable gas kiln which makes for easy portability when needed. Additional rings can be added to the Torchbearer kiln to add more depth yet maintain the same temperature range.

These gas models are available in three widths: 18", 23" and 28" with depths ranging from 22.5" to 31.5" deep. Raku and Torchbearer designs fire to Cone 10 – 2350°F/1288°C and use propane or natural gas for fuel.



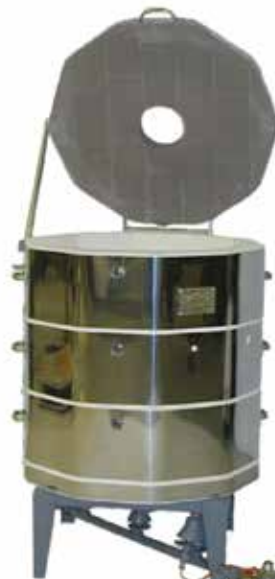
**18 Raku**  
17 1/2" w x 22 1/2" d



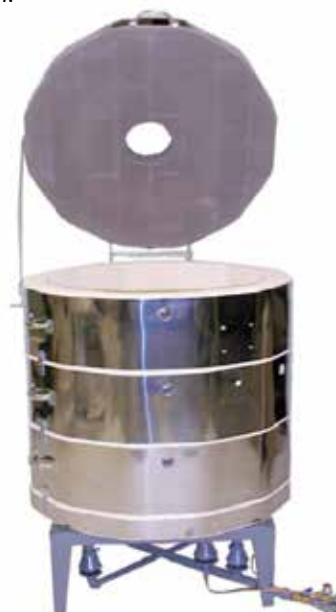
**23 Raku**  
23 3/8" w x 27" d



**1827G**  
17 1/2" w x 27" d



**2327G**  
23 3/8" w x 27" d



**2827G**  
28 1/4" w x 27" d



**28 Raku**  
28 1/4" w x 27" d



Firing raku pottery using Olympic 18 Raku at  
Quinlan Arts Center, Gainesville, GA



## HIGH VOLUME, LARGE CAPACITY GAS KILNS – FIBER OR BRICK



**DD30 Car Kiln**  
with optional High Limit Controller  
30 cubic feet of setting space  
36" w x 36" d x 40" h



Rotating Door – 360 degree revolving door for DownDraft models.

The DownDraft kiln's exhaust and its intake, is at the bottom. DownDrafts require a chimney or stack to induce enough draft to pull in fresh air for combustion. Olympic DownDrafts fire to Cone 10 – 2350°F/1288°C and can be built of brick or fiber to run on propane or natural gas.

The frames of the Olympic downdraft gas kilns are built of heavy angle iron and metal tubing. Kiln walls are 4 1/2" insulating brick with 1" ceramic fiberboard and a 1" air space created by the tube frame. The exterior of the downdraft kilns are durable stainless steel. Fiber and brick DownDrafts are built with double insulated floors, consisting of brick and ceramic fiberboard. The additional strength and insulation enables the kiln to fire at high temperatures, and to maintain temperatures, without damage or deterioration. The roofs of the Olympic DownDrafts are designed with bolt in pyro-block modules for energy efficiency and easy repairs. There is a binder in the ceramic board insulation that will emit an odor during the first firing. This is normal and will not occur after the first firing.

Olympic DownDrafts are built with high efficiency venturi burners; or as an option, forced air burners with the output of 500,000 BTUs, either burner providing excellent temperature and reduction uniformity.

Olympic DownDraft gas kilns have the option of having the walls built with brick or fiber. Fiber walls allow the kiln to heat up and cool down faster than kiln brick, which is designed for a slower heating up and cooling down program. Pictured at right is a custom fiber built downdraft gas kiln with an optional feature of the venturi burners on the side of the chamber wall instead of underneath the kiln.



**DD40 Brick Kiln**  
equipped with optional High Limit Controller  
40 cubic feet of setting space  
41" w x 41" d x 41" h

Optional High Limit Controller acts as a digital pyrometer and can be set to the desired target temperature of the firing. Once the kiln reaches temperature, the High Limit Controller will shut down the kiln.



**DD24 Fiber Kiln**  
with venturi burners placed on the side  
24 cubic feet of setting space  
32" w x 35" d x 38" h

- Kiln Sitter with Limit Timer & Electric Solenoid Valve, 120 volt
- Rotating Door for DownDraft Kilns
- Blower Burner 200k for DownDraft Models
- Electronic High Limit Controller – 120 volt  
The High Limit controller is set to a target temperature, and when reached, controller will shut down kiln.
- Ignition System with Thermocouple Safety Shut-off for Raku and Torchbearer Models  
The ignition system lights the multiple burner system from one point. The thermocouple safety shut-off will stop the gas flow if the flame is lost entirely.
- Low Pressure Regulator Set for Correct Water Column Pressure for Propane & Natural Gas – 18", 23" & 28" Gas Kilns Only
- Observation Hole Plugs
- Pyrometer Analog with Type K Thermocouple
- Pyrometer Digital with Type K Thermocouple
- DownDraft Gas Kiln Vents, Stainless or Galvanized Steel – 20 gauge
  - Vent Dimensions 48" x 48" wide x 36" high – shipping weight 200 lbs crated
  - Vent hoods are mounted to a frame on the kiln and discharged into a 10" inside diameter double-walled pipe to the outside. The vent will increase the outside dimensions to an additional 36" in height and an additional 24" in depth.
- UpDraft Gas Kiln Vents, Stainless Steel – 20 gauge
  - 18" & 23" models – Vent Dimensions 36" wide x 36" deep x 36" high – shipping weight 175 lbs. crated
  - 28" models – Vent Dimensions 40" wide x 40" deep x 36" high – shipping weight 185 lbs. crated
  - Vents need to be mounted above the frame of the gas raku kilns and 36" above the Torchbearer gas kilns and discharged into a 10" inside diameter double-walled pipe to the outside.



**Blower Burner 200k**



**High Limit Controller**

**Gas Kiln Vent Hood**



# CUSTOM ELECTRIC & GAS KILNS

FOR AERONAUTICS, DPF, HEAT-TREATING, CERAMICS, POTTERY, GLASS



We set a high standard of quality and design for Olympic kilns. Many of the features on the kilns produced over the years have resulted from customer requests to enhance a kiln's design or performance. We listen to our customers.

We are innovative and willing to pioneer new concepts and designs. Our cutting edge ideas have become industry standards today and we have the ceramic engineering expertise and business savvy to create the kiln of your dreams for the future.



CUSTOM ELECTRIC & GAS KILNS

*Envision, Dream ...  
We Are Building the Finest Kilns for Your Creative Spirit!*



### *Limited Kiln Warranty*

THIS WARRANTY IS APPLICABLE TO ALL KILNS MANUFACTURED BY OLYMPIC KILNS THAT ARE USED FOR CERAMICS, POTTERY AND GLASS. CONE 10 KILNS HAVE A ONE-YEAR WARRANTY AND ALL OTHER KILNS HAVE A TWO-YEAR WARRANTY. CERTAIN PARTS, THERMOCOUPLE, AUTO-CONE TUBE ASSEMBLY, ARE NOT COVERED UNDER WARRANTY, NOR IS KILN FURNITURE.

Haugen Manufacturing, Incorporated guarantees to the original purchaser that any defects in OLYMPIC KILNS which become apparent within two years (one year for the Orton AUTO-CONE®, which is covered by warranty from Edward Orton Jr. Ceramic Foundation and kilns rated at cone 10) will be remedied as specified below.

Our warranty, of course, does not cover any kiln damaged or altered by you or others after it leaves our factory. Our warranty does not cover damage due to reduction or salt firing, over-firing, exceeding the maximum cone or temperature ratings, improper installation, use of electrical voltages different than those specified, or firing material other than ceramics.

If a defect of manufacturer becomes apparent, and your retailer does not resolve it to your satisfaction, we will in the following manner: Within (6) days of the first indication of a defect, tell us in writing of the defect, and the date, place and proof of your purchase. We will contact you to determine what parts seem to warrant repair and to instruct you as to shipment of the kiln parts. You will dismantle, package, and ship the parts we request (and no others), to us at your cost, freight prepaid. If the kiln has a defect of manufacture we will repair, replace or refund as is appropriate, within (30) days. We will ship to you at our cost in your package, for you to reinstall at your cost. If the parts shipped by you to us are in need of repair or replacement for something which is not covered by this warranty, we will not perform the work until you have authorized the work and made arrangements for payment. If substantially an entire kiln is returned for repair under warranty, you will prepay the cost of packaging and shipping both to and from the factory.

We shall in no event be liable for injuries to persons or property or for incidental, contingent, special or consequential damages arising from the use of our products. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

HAUGEN MANUFACTURING, INC.

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