



GAS & ELECTRIC KILNS

for Your Creative Spirit!



More Choices • More Styles • More Models • More Shapes

Mass Production or One-of-a-Kind Ware

The best kiln for getting
the job done right?

An Olympic!
Olympic Kilns Gas or Electric



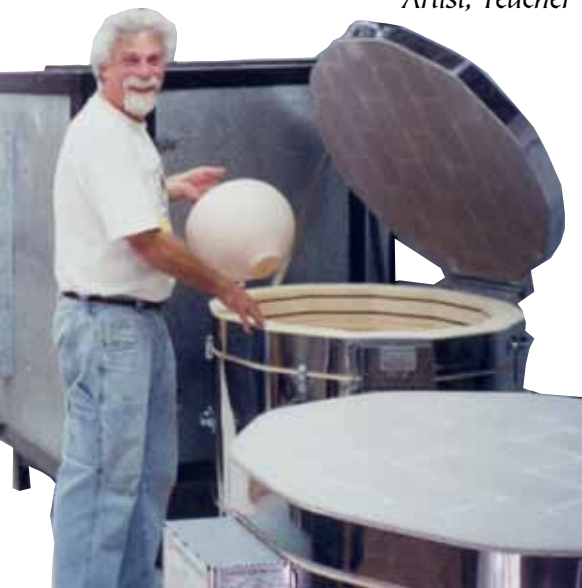
Kim Lemonakis Miller
Artist, Teacher



Nancy Harbon
Artist, Teacher



Marlene Serafine Gaudio
Artist, Teacher



Harvey Sadow
Artist, Teacher

Sal Greico
Business Owner



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.



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 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, 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!



Olympic Model Identification

The majority of Olympic Kilns standard of kilns are designated by the model's inside dimensions, width and depth. Letter abbreviations with the model number explain how a kiln is equipped.

Studio Line Pottery/Ceramics –

2327HE – 23 3/8" wide x 27" deep

H – Fires to high temperatures, cone 10–2350°F

E – Equipped with an electronic controller



2327HE

- H – High fire
- Built with 3" brick
- E – equipped with an electronic controller



23 3/8" wide inside
27" deep inside



FL12E

24" w x 24" d x 35" h
12 cubic feet



1827G

Torchbearer Updraft Gas Kiln

17 1/2" w x 27" d

Corrections of Errors & Omission
We have made every effort to ensure the accuracy of the information provided in this catalog; however, we reserve the right to correct an errors and/or omissions found in this catalog.

Olympic commercial kilns are identified by their design and cubic foot firing space within the model.

Commercial High Volume Line –

Gas – DD12 – DD for Downdraft gas kiln with 12 cubic feet of usable firing space within the chamber

Electric – FL20E – FL for Front loading electric with 20 cubic feet of usable firing space within the chamber; E – equipped with an electronic controller

Abbreviations –

DD – Downdraft gas kilns

DM – Dual media for firing glass and ceramics, 3" brick; fires to cone 10–2350°F; lid element for glass fusing

E – Equipped with an electronic controller

FL – Front loading

G – Updraft gas kiln (Raku and Torchbearer)

GF – Glass fusing kiln with lid element

GFTLC – Glass fusing kiln that has duplicate openings, either top or clamshell loading capabilities

H – 3" brick and the kilns fires to cone 10–2350°F

HB – "Hot Box" 120 volt small high fire model

P – Equipped with pyrometer

S – Solid stainless jacket (ex: S1823E)

T – A kiln sitter and timer equips the kiln (older models); new models are equipped with an Orton Auto-Cone

TL – Top loading

TLC – Top and clamshell loading capabilities

TopHat – Electric raku designed model for high fire and glass fusing

FAQs answered about electric kilns

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.

120 Volt Kilns

For Ceramics, Glass & PMC

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 2350°F/Cone 10. The HB89E has a hinged lid, but the HB64, HB84 and HB86 do not. Blank or Bead Collars are an available option to add depth to kiln.

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. Options for equipping the 120 volt models include 3 Key-Cone Fire, 12 Key Controller or Auto-Cone.



HB64E
6.5" x 6.5" w x 4.5" d



Happy Clam
8" x 8" w x 6.5" d



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



HB89E
8" x 8" w x 9" d

The **Happy Clam** boasts sleek, designer style lines. It is perfect for the jewelry artist with its clamshell loading feature for item placement. The Happy Clam fires to 2350°F, has a wood handle for cool operation, and is equipped with a 3 Key-cone fire controller providing the user with four programs for ramp/hold and cone fire programming.

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



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



1214-120E
11.25" w x 13.5" d



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



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



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



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

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 and may be equipped with 3 key or 12 key controller.

Front Loading Electric Kilns

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.



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

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 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.



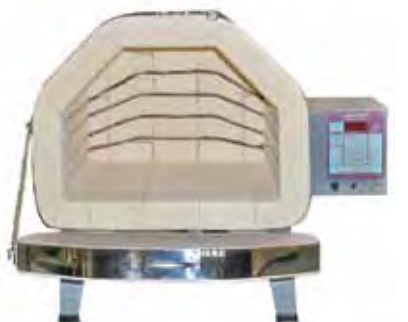
1818FLE
17.5" x 18" d x 12" h @ peak
Shown with Guillotine Lift Option



149FLP
14.5" w x 9" d x 10" h @ peak
Shown with Guillotine Lift Opti



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



Solid Jacket Electric Kilns

Olympic Solid (S) Jacket Electric Kilns provide compact space for small to medium loads. These models are equipped with a hinged lid and lid locking brace, 8-inch stand, and can be equipped with a 3 key or 12 key controller. The S1814E comes with a tall 18" stand or the shorter 8" may be ordered with the kiln.



Electric Raku Kilns

Create beautiful raku pieces in an electric kiln!



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



Firing chamber is designed to keep heat inside when it is lifted up for fast turn-around. You can do it all in an Olympic Electric Raku or TopHat – raku, bisque, glaze and glass fire!



Hand Crank to lift firing chamber

**120 VOLT
TOO!**

Stackable Electric Kilns



Kilns pictured above fire to 2350°F/Cone 10 and are built with 3" brick for extra insulation and energy efficiency. Choose from these stackable electric models or many more available from Olympic Kilns.

- **Easy to Operate** – Electronic controller provides automatic programming for cone firings and ramp/hold programming. An optional counterweight lid system provides ease in opening and closing kiln lid.
- **Easy to Identify** – Olympic models are named by their inside dimensions primarily (width and depth) and additional letters to the name provide meaning with H for high fire; E, electronic control; T, kilns equipped with kiln sitter and limit timer.
- **Easy to Maintain** – Electronic controllers are component based and replacing parts is simple and quick to do. Olympic stackable kilns come apart in sections which makes it easy to move to another location and easy for maintenance when you only need to work on one section.
- **Easy to Afford** – Make your investment in kiln equipment count – Olympic Kilns is near the raw materials (kiln firebrick) and the savings we receive by not having to ship raw materials across country are passed onto you.

Electronic controllers can be installed directly on a kiln or be built as a wall unit. We install a factory faceplate so that we can upgrade to latest version of controller available. Branded faceplates limit the user to having upgrades until new faceplates are manufactured.

Controllers for Pottery & Ceramic Kilns



- 3 Key – Cone Fire**
- 4 user ramp/hold programs
 - 8 segments per program
 - Cone-fire programming



- V6-CF Controller**
- 6 user ramp/hold programs
 - 8 segments per program
 - Cone-fire programming



- Wall Units or Remote Control**
- 120 volts
 - 30, 50 or 100 amp

18", 23", & 28" stackable electric kilns are available in cone 8/2300°F and cone 10/2350°F models. The "H" after the model number indicates the model will fire to cone 10.

23" and 28" wide stackable electric kilns are built with lid lift assist for easy closing and opening of the kiln lid. See price list for complete size range available.

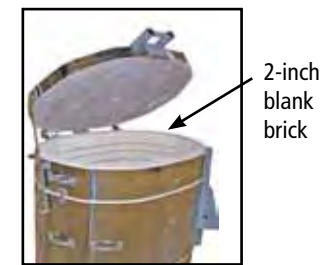
**The Incredible,
Affordable Oval ... Often
Imitated, but Never
Duplicated!**

Oval Electric Kilns

Production, School, Studio & Home

The Olympic Oval was created to fill many needs. First, to provide a kiln for large ceramic pieces and big commercial loads, while requiring little more floor space than the cylindrical kiln; and second, to offer an extremely energy efficient kiln for larger loads. Long the workhorse for the busy studio or ceramic factory, the Olympic Oval is designed for fast-firing requirements and ceramic production. Olympic Oval kilns are constructed of three-inch brick for added insulation and strength. The top section has an additional 2 inch blank row of bricks to protect the first row of elements. The top and bottom sections are connected to the center section by an interconnecting plug, allowing the sections to be easily separated and reducing the amperage carried by the interconnecting plug to just one element. Balanced heating elements insure even distribution of heat within the kiln regardless of the load being fired. The lid of the ovals has a lid lift assist for easy opening and closing of the kiln lid and the lid has a hole in the center for venting (lid wedges are not to be used with an oval lid). Each ring has handles for easy lifting and Olympic's unique ring lock to prevent shifting of the kiln rings when in use.

Olympic Ovals come in three exciting widths – the Olympic 20 Oval is 20 inches deep by 30 inches wide; the Olympic 25 Oval is 25 inches deep by 37 inches wide; and the Olympic 30 Oval is 30 inches deep by 42 inches wide – with numerous depths ranging from 20 to 32 1/2 inches. Olympic Ovals can be built to fire to cone 8 or cone 10 on 208, 240 or 480 volts and are equipped with an electronic controller. Additional options are mercury relays, solid electrical box, and three-zone control for sensing and maintaining temperature at three levels within the kiln.



Back in the 70s, Bob Haugen had a customer interested in a 23" wide kiln but needed it "stretched" for some of the items he was firing. Bob took the stretched idea and created the first 25 oval so what was a 10-sided kiln 23 3/8" wide became an oval 14-sided kiln with an interior width of 37" wide by 25" front-to-back. The popularity of the oval shaped kiln would later emerge into two other sizes by stretching the 18" wide 8-sided kiln to a 30" wide by 20" front-to-back oval and stretching the 28" wide, 12-sided model to 42" wide by 30" front-to-back.

Standard cordierite shelving for ovals – 2 half shelves, 1 rectangle



CoreLite full oval shelves for 25" & 30" models

Freedom Series

Freedom Kilns Free You Up!

Choose from a select series of kilns that ship as a complete package – Freedom kiln, furniture kit (shelves, posts and kiln wash), VentMaster, Freedom Kit & FREE assorted stilt package for glaze firings!



The Freedom series is comprised of seven different sized kiln packages. A variety of kiln widths are available – 14.5", 18", 23", 28", and 25" – choose the kiln package design to fulfill your every firing requirement.

- **Free to Go Green!** – Freedom Kilns are made of 3" brick for extra insulation and energy efficiency and fire to cone 10/2350°F.
- **Freedom in Convenience** – Freedom Kilns are equipped with a 12-key electronic controller that has cone firing mode and vary fire mode for ramp/hold programs which eliminate the need to sit with a kiln and turn dials up and down. The digital controller gives you precision firings so you get it right the first time!
- **Freedom from Hassle** – There's no hassle when you order a Freedom package. Everything is included so you have what you need to begin firing. Freedom kiln packages come with a kiln furniture kit, including a free set of 33 assorted stilts and include the Orton VentMaster for venting the kiln.
- **Freedom from Worry** – Freedom kiln packages come with their own Freedom Kit, an emergency repair kit (2 elements, crimping tool, pint of mortar, thermocouple, and kiln's wiring schematic).



ELECTRIC KILNS
pottery, ceramics, heat treating



Medallion Artist Series

Go Green with a Dream Machine that Saves You Green!
Olympic's Medallion Artist Series

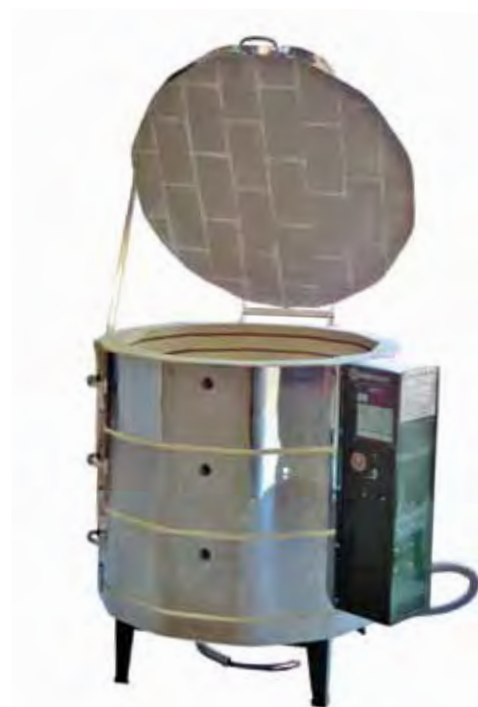


- Go green by saving dollars buying a Medallion Artist Kiln.
- Go green with green electrical boxes
- Go green with less energy consumption using 3" brick which provides extra insulation for more efficient firings
- Go green with high fire cone 10 kilns
- Go green with six models to choose: MAS1818HE,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



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

Lid Lift Assist is an available option for any Medallion model



MAS2827HE
28 1/4" w x 27" d

240-208 Volt Dual Media Kilns



DM2323HE
23 3/8" w x 22.5" d

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 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.



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



See **ELECTRIC RAKUS** for more **DUAL MEDIA** models, and Olympic's **Glass Kilns Catalog** for a complete line of glass firing kilns.

**Hello convenience, hello precision,
Hello, ELECTRO SITTER!**



Today, kiln firings need precision, convenience and safety that only comes with an electronic controller.

- Electro Sitter replaces all kiln sitter and kiln sitter timers. It's easy and best of all, parts are available!
- The Electro Sitter box is complete with thermocouple attached. Simply remove the screws from the kiln sitter on front of the kiln, then detach wires connecting to kiln sitter. Wires will be attached to the back of the Electro Sitter exactly as they were attached to the kiln sitter and will attach to the kiln's wiring just as the kiln sitter previously had.
- Available as a 3 key cone-fire or 12 key controller. Fits any brand kiln!



Installed Electro Sitter

Electric Kiln Accessories & Options

- 3 Phase Wiring
- 120, 240, 208, 480 volt
- Automatic Lid Shut-off
- Castors – Kilns with wheels
- CE Wiring
- CoreLite Shelves
- Electro Sitter
- Furniture Kits (assorted shelves and posts with kiln wash for specific models)
- Lid Lift Assist
- Electronic Controller Wall Unit – 3 Key or 12 Key Controller
 - 120 volt
 - 30 or 50 amp
 - 100 amp
 - 3 phase wiring
- Guillotine Lift for Front Loading Studio Kilns
- Kiln Wash – 1 & 5 lb. bags
- Observation Hole Plugs
- Square Kiln Posts – Large and Small
- Pyrometer – Analog with Type K Thermocouple
- Pyrometer – Digital with Type K Thermocouple
- Type S Thermocouple
- VentMaster
- VentMaster Expansion Kit

High Volume Commercial Electric Kilns

Front, Top & Car Loading Designed for Long Life and Large Capacity Loads

Olympic Kiln builds affordable, powerful electric commercial kilns for the production potter or company where production is a priority. Users are provided with equipment that handles large capacity loads with ease, and best of all, is affordable. Our commercial electric kilns have many outstanding features and can be designed as top or front-loading, and as a car kiln with removable floor and door for convenient loading and unloading. The frames of the commercial 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 commercial kiln with a cooler skin and outside temperature.



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



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



FL12E
24" w x 24" d x 36" h
12 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



High Volume Commercial Electric Kilns

Olympic's commercial electric models are built with double insulated floors consisting of brick and ceramic fiberboard, and 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.

Floor elements, when selected as an option, are controlled by infinite switches which can be adjusted by the kiln operator as needed. All commercial electric kilns are equipped with heavy gauge elements and industrial relays for long life. Olympic commercial electric kiln electrical boxes are hinged for easy access for kiln maintenance. Custom-made commercial 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. Power cord connects floor element to electrical box when door is closed.



ELECTRIC KILNS

pottery, ceramics, heat treating

FAQs answered about gas kilns

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 1/2 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.

Updraft Gas Kilns

Raku & Torchbearer Models

With Olympic's Raku design kilns, the chamber retains heat and is lifted up with a hand crank. Rakus provide easy access to pieces being fired. The Torchbearer style is a top loading stackable gas kiln which makes for easy portability when needed.

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 and use propane or natural gas for fuel.

Great for
Bisque,
Glaze &
Raku!



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



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



28 Raku
28 1/4" 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



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

GAS KILNS

Downdraft Gas Kilns

High Volume, Large Production 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



Test firing DownDraft 120 cubic ft. Car Kiln



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



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

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 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. 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.

Gas Kiln Accessories & Equipment Options

- Auto-Cone & Electric Solenoid Valve, 120 volt
- Blower Burner 200k for DownDraft Models
- Electronic High Limit Controller – 120 volt
(Set controller to target temperature and when reached, controller will shut down kiln.)
- Ignition System with Thermocouple Safety Shut-off
(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 Gas & Electric Kilns

Custom Kilns for Aeronautics, Heat-Treating, Ceramics, Pottery, Glass



We set a high standard of quality and design for Olympic kilns. Many of the kilns produced over the years have had some custom feature or features based upon customer requests to enhance a kiln's design or performance. We listen to our customers.

We are innovative, pioneering new concepts and designs, and we have a vision for the future. Many of our cutting edge ideas have become industry standards today. We have the ceramic engineering expertise and business savvy to create the kiln of your dreams and make it affordable as well.



*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.
P.O. BOX 1347 • 4225 THURMON TANNER PARKWAY • FLOWERY BRANCH, GA 30542