GLASS KILNS
for Your Creative Spirit!

More Choices • More Styles • More Models • More Shapes
Happy Clam

Designed for the PMC & glass artist, Olympic's Happy Clam is the ideal tabletop kiln with its clamshell opening and non-scratch slide feet. Happy Clam provides versatility for PMC, glass and ceramics with the capability of firing to 2350°F. The wood covering eliminates heat on the handle when opening or closing the firing chamber. You will be happy as a clam with the accessibility and convenience the Happy Clam offers. 8” x 8” wide x 6.5” deep, 0.24 cubic ft.

Hotboxes

OLYMPIC HotBoxes (HB) provide easy portability and flexibility. Hotboxes are built in sections and the depth can be increased with blank or bead collars. Olympic Hotboxes can fire multiple type ware including glass, ceramics and silver clay and are equipped with either an analog pyrometer or 3K-CF controller for ramp/hold and cone fire programming. HOTSEIs are built with a fiber lid with a quartz porthole in the lid for viewing pieces during the firing; a fiber bottom that serves as the kiln stand, and a brick firing chamber. The HB84 and HB86 are built entirely of kiln firebrick and are 8” x 8” wide, with depths of 4.5” and 6.5”.

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126GFE

The 126GFE is an all brick 120 volt kiln with a lid and body element. It comes with a tall 18” stand for easy accessibility.

146 GFE, Square 146GFE & Square 146GFETLC

The 146 GFE and the Square 146GFE are designed with a lid element for the fusing segment of the firing and a body element for the ramping up/down and annealing segments of the firing. The kilns are equipped with a selector switch for designating either the lid or body element to fire. Only one of the elements can be used at a time because of the limited power on 120 volts. Kilns are designed with a selector switch for using either the lid or body element. The RTC-1000 (12 key controller) provides 6 user programs/8 segments per program for ramp/hold programming. Fiber walls will generate some smoke and odors on the first firing, which is normal, and should not cause alarm.

Please see price list for complete product specifications.
The Annealer

The Annealer has two doors lined with heavy fiber for reducing heat loss, and the multiple doors allow different pieces to anneal at different times. A mandrel can be inserted with confidence that an electrical part will not be touched with the element and thermocouple in the top of the kiln. Another outstanding feature are the wooden door handles which allow the kiln operator to open the doors without gloves. The Olympic Annealer can be built with four doors for accessibility on all sides as well.

139FLE

139FLE is great for annealing and fusing glass and for firing PMC silver clay. The front loader can be built with a bottom or side-hinged door or, for additional ease, an optional guillotine door lift. A bead door installed on kiln door flips up for annealing pieces.

1210FLE

1210FLE is a compact portable front loader designed with fiber walls and floor. The lid element is set securely in the top of the kiln, eliminating the fear of a mandrel hitting an electrical part. Easy accessibility is possible with the guillotine door lift and the lower punty door flips down for annealing pieces. Fiber walls will generate some smoke and odors the first firing, which is normal and should not cause alarm.

The Traveler

The Traveler runs on 120 volts and can be easily moved from one location to another with the attached wheels. When the lid is closed, the Traveler can travel in your vehicle to your destination of choice (23” wide x 19” deep x 28.25” high). It is equipped with a 3K-CF controller for ramp/hold and cone fire programming. A selector switch on the kiln determines whether the lid or body elements are used when firing the kiln. The Traveler is built in sections but is not designed to come apart.

186GFE

Lots of room to fire glass with either 18” shape. If you only have access 120 volts, you are no longer limited by the size pieces you fire. Both Olympic 18” wide models are great for the studio artist who wants to expand his or her work space but doesn’t have a lot of room.

Please see price list for complete product specifications.
• Multi-sided, Multi-Choice Glass Fusing •

So many choices ... glass fusing models 240-208 volt, round or square

14.5” Wide Models

149GFETLC
14.5" wide x 9" deep, .86 cu. ft., top & clamshell and top loading

149GFE & 149GFETLC
14.5" wide x 9" deep, .86 cu. ft., top & clamshell and top loading

1414GFE
14.5" wide x 13.5" deep, 1.4 cu. ft.

Square 149GFETLC
14.5" x 14.5" wide x 9" deep, 1.09 cu. ft. Top & clamshell loading shown with optional quartz viewing window

18” Wide Models

1814GFETLC
17.5" wide x 13.5" deep, 1.97 cu. ft. Top & clamshell loading, top loading available; shown with quartz viewing window

189GFE, 189GFETLC
18" wide x 18" wide x 9" deep, 1.69 cu. ft. Top & clamshell loading, top loading available

Square 189GFETLC
18" x 18" wide x 13.5" deep, 2.5 cu. ft., Top, clamshell, top & clamshell loading

TopHat 189E
17.5" wide x 9" deep, 1.3 cu. ft. Access available on all sides of the kiln!

Please see price list for complete product specifications.
**23” Wide Models**

10-sided 23 3/8” wide x 9” or 13.5” deep with multiple loading options: top, clamshell, top & clamshell & TopHat design. 23” wide loaders are built with a lid lift assist for easy opening and closing of the lid.

**239GFETLC**

23 3/8” wide x 9” deep, 2.33 cu. ft.
Top & clamshell loading

**239GFE**

23 3/8” wide x 9” deep
Top loading – shown with optional round quartz viewing window

**TopHat 2323E**

(23 3/8” wide x 22.5” deep
5.83 cu. ft.
23” TopHat available in 9” & 13.5” depths

**2314GFETLC**

23 3/8” wide x 13.5” deep, 3.5 cu. ft.
Top & clamshell loading

**2314GFE**

23 3/8” wide x 13.5” deep
3.5 cu. ft.
Top loading – shown with optional round quartz viewing window

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**Multi-sided, Multi-Choice Glass Fusing**

Precision is critical to any glass or PMC firing. For glass and PMC kilns, two controller options are available: the 3K-CF 13 key-cone fire and the RTC-1000 (12 key). The 3K-CF is programmed by pressing up/down and scrolling to the desired target. For the RTC-1000 controller, programming is entered digitally.

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**Bartlett Instruments Electronic Controllers**

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>RTC-1000</th>
<th>3 KEY CONE FIRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keypad</td>
<td>12 key</td>
<td>3 key momentary switch with overlay</td>
</tr>
<tr>
<td>No. of Thermocouples or Zones</td>
<td>1 or 3</td>
<td>1</td>
</tr>
<tr>
<td>Thermocouple Type</td>
<td>K or S</td>
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<tr>
<td>Method of Control</td>
<td>PID</td>
<td>on/off</td>
</tr>
<tr>
<td>Vary-Fire (Ramp/Hold)</td>
<td>Stores up to 6 programs (last fired program remains in memory)</td>
<td>Stores up to 4 programs (last fired program remains in memory)</td>
</tr>
<tr>
<td>Segments per program</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>(each segment has a ramp rate to a temperature, and a soak period)</td>
<td>(can combine User programs 5 and 6 to get a 16 segment program)</td>
<td></td>
</tr>
<tr>
<td>Skip-Step</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>(move from one segment to the next ramp)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Add Time</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>(adds time in 5 minute increments)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preset Cone Fire Programs</td>
<td>3 Speeds</td>
<td>3 Speeds</td>
</tr>
<tr>
<td>(Slow, Medium, Fast)</td>
<td>(Slow, Medium, Fast)</td>
<td></td>
</tr>
<tr>
<td>Cone Fire to Ramp Hold</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Temperature Scale</td>
<td>°F or °C</td>
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<tr>
<td>Multi Zone Control</td>
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<td>No</td>
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<tr>
<td>Delay Start</td>
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<tr>
<td>Alarm</td>
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<td>No</td>
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<tr>
<td>Error Codes</td>
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<td>Limited</td>
</tr>
<tr>
<td>(power failure, 1c FAIL, 1c leads reversed)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Interface</td>
<td>Yes</td>
<td>No</td>
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</tbody>
</table>

*Chart information from www.bartinst.com, Bartlett Instruments web site.

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**Please see price list for complete product specifications.**

www.greatkilns.com
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. Initially used primarily in pottery kilns, Olympic met the demand of glass kiln customers who needed the oval shape. Today's glass fusing ovals come in the three widths – 20, 25 and 30, with 9" and 13.5" depths. Each model comes with a tall 18" stand providing a height that makes unloading and loading the kiln easily accessible and with a lid lift assist to open and close the oval lid, which has an element installed for use during the fusing segment of the firing program.

If additional height is needed inside the kiln, Olympic can build the oval to accommodate the depth required. Lid lift assist is standard on all ovals but models may be purchased without it. Cordierite shelving for ovals consists of two half round shelves and one rectangle shelf to make the shape of the oval; CoreLite full shelves are available for the 25 & 30 ovals and smooth ceramic fiberboard can be cut to fit the oval models.

Created, designed & refined by Olympic...

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OLYMPIC’s top and clamshell loading square kilns make loading and unloading your work a breeze and the clamshell loading works well for flash venting, combing or viewing a piece during firing. The struts make the clamshell loading option smooth and effortless. Olympic has multiple widths available that give you large square dimensions without the price of a commercial-sized kiln. Olympic’s GF5ETLC and GF514ETLC allow room for larger square glass pieces and are equipped with counter weight lid systems for easy opening and closing of the kiln lid when using the top loading option.

When you are ready to expand, go with an Olympic Square Clam!

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All of the Olympic 240-208 volt square TLC models have lid and wall elements. An infinite switch controls the intensity of the lid element. Models can be ordered with either the 3 Key or RTC-1000 controller, and when you need more depth, let Olympic build it for you like the GF323E! When you need to expand, order an Olympic clam! Two kilns in one – top & clamshell loading!
Olympic Kilns introduces the Crucible 18 for hot glass. The Crucible 18 is built with heavy insulation consisting of 3” thick brick walls and 1” fiber blanket surrounded by a solid stainless steel jacket. A 1’ ceramic fiberboard gasket retains the heat in the kiln when gathering glass from the crucible. When ordering, customized gasket openings can be cut to the size of the crucible which will be used. The 2” thick separate kiln bottom may be turned over or easily replaced if damaged.

The kiln is built with a counterweight lid cover making gathering glass safe and easy. The counterweighted cover lifts to reveal the opening in the lid. A stainless steel trough on the lid directs glass back into the crucible, minimizing lid damage.

Four (4) sets of elements can be used for rapid heat up. Two (2) sets are required to maintain temperature, two (2) sets in reserved to prevent unwanted cooling if an element is lost while firing. The Crucible 18 is equipped with an automatic lid shut-off which shuts the elements off when the lid of the kiln is opened, a Bartlett 2 Key electronic controller with four ramp/hold programs, and a Type K or Type S thermocouple may be chosen when ordering.

The Crucible 18’s inside dimensions are 17.5” wide x 18” deep, 2.63 cu. ft. and the outside dimensions are 31” wide x 13.5” deep x 10.5” high (kiln), 51.5” high (counter weight) with a shipping weight of 370 lbs. The kiln runs on 48 amps, 240 volts, 1,150 watts, and NEMA 6-50 power cord. A NEMA 6-50 receptacle and 60-amp breaker are required. Copper wire size is #6 or #4, if circuit is longer than 40 ft. Maximum temperature – 2350°F.

Olympic 240-208 volt front loaders for annealing and lamp-working make these models a great combo with the Crucible 18. Guillotine lift door or bottom hinged door provide easy access for placing pieces in or out of the kiln. Several models are available to choose from:

- 1214FLE – 11.25” wide x 13.5” deep x 9.75” high, .72 cu. ft.
- 149FLE – 14.5” wide x 9” deep x 10” high, .93 cu. ft.
- 1414FLE – 14.5” wide x 13.5” deep x 10” high, 1.4 cu. ft.
- 1818FLE - 17.5” wide x 18” deep x 12” high, 1.95 cu. ft.
- 1823FLE – 17.5” wide x 22.5” deep 12” high, 2.44 cu. ft.

Custom models available upon request.

Please see price list for complete product specifications.
Olympic Kilns builds affordable powerful electric commercial kilns. 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 clamshell loading, and as a bell kiln with removable floor 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. These models are all built with double insulated floors consisting of brick and ceramic fiberboard. Top loading electric kiln walls and floors are constructed of brick and board insulation, and modern pyrobrick 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 glass fusing kilns quoted upon request.

GF10E
10 cu. ft. top loading shown with optional castors – 48” wide x 30” front-to-back x 12” deep

GF15CSE
15 cu. ft. clamshell loading – 60” wide x 36” front-to-back x 12” deep

GF32E Bell
32 cu. ft. shown with optional removable floor – 96” wide x 48” front-to-back x 12” deep

3 Phase Wiring Option
120, 240, 208, 480 Volt
Automatic Lid Shut-off
Bead Door for Studio Models
Castors – Kilns with Wheels
Ceramic Paper
Clamshell Loading
CoreLite Shelving
Electro Sitter
Lid Lift Assist
RTC-1000 Wall Unit 120 Volt
RTC-1000 Wall Unit 30 or 50 Amps
RTC-1000 Wall Unit 100 amps
3 Phase Option for Wall Unit
Flash Arm
Floor Element
Guillotine Lift for Front Loading Studio Kilns
Kiln Wash – 1 lb. or 5 lb. bag
Observation Hole Plugs
Square Kiln Posts – Large & Small
Pyrometer - Analog with Type K Thermocouple
Pyrometer – Digital with Type K Thermocouple
Quartz Rods for Lid Element
Quartz Viewing Window for Studio Models – Round 2” Diameter, Rectangle 4” x 2”
(Limits maximum temperature to 1700°F)
Smooth Ceramic Fiberboard Shelving
Type S Thermocouple
VentMaster
VentMaster Expansion Kit
Wood Crating for TLC Kilns

Olympic builds custom kilns – call or email for a quote
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 model names ..

...identify their size –

Square 146GFE: 
Square 146 – 14.5” x 14.5” x 6” deep
GF – Glass Fusing
E – Equipped with an electronic controller (12 key digital or 3 key scroll and enter)

Letter abbreviations ...

Bell ............ Chamber lifted by electronic wrench for ware loading on kiln floor
CS ................ Clamshell Loading
DM .............. Dual Media
E ............... Equipped with an Electronic Controller
FL ............. Front Loading
GF ............. Glass Fusing
HB .............. HotBox (small 120 volt kilns that reach high firing temperatures quickly)
P ............... Equipped with a Pyrometer
TLC ............ Top & Clamshell Loading
TopHat......... Entire chamber lifts by hand wrench to load ware on kiln floor

Double Bar - Single Bar Lid Lift Assist

The Lid Lift Assist system comes complete with stand, kiln feet and frame pieces for easy, simple installation. There are two systems, 1) double bar for oval and GF 2, 3, 5 series kilns; and 2) single bar for all other models. Olympic kilns 23” or larger are built with the lid lift assist unless specifically requested not to include at the time of order. When these models are received, the lid lift will need to be assembled. Installation instructions are included in the kiln operating manual or may be downloaded from Olympic’s web site www.greatkilns.com. Visit the Kiln Assistance page to download the Lid Lift Assist (Counter Weight Lid System) installation instructions.

Before Purchasing Your 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 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 Hookup

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.

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 or 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 the Yellow Pages 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.