


L & L Kilns (U.S.A. Brand)

Item Code	Description	Cubit Feet	Internal Dimensions	Price
	<p>FUEGO (Test / Home Studio Kiln)</p> <ul style="list-style-type: none"> • Rated Cone 10, 1280C • 1 Phrase/ 3000W (79 KG) • One Touch Intuitive Controller (one touch controller) • 1 year: parts and labour warranty, • Heavy Duty Element • Includes 1 Full Set Furniture Kit (3 shelves with props) • Includes 1 lb kiln wash 	<p>1.4 (40l)</p>	<p>33cm Diameter x 45.7 cm Height (7 sides)</p>	<p>\$ 2 800</p>

Remarks:

- ❖ Recommended for home studio and use as test kiln.
- ❖ 1 phrase plug into normal home or office power point
- ❖ Fully rated to fire to 1280 degrees
- ❖ Furniture Kit: 3 pieces full round shelves with skinny props (to maximize internal space)
- ❖ Easy to use, 'one touch' intuitive controller
- ❖ Custom Kiln Fumes Venting Ducting System (Vent-Sure™) available from \$1300 (supply and install of ducting from kiln to window outlet – 4 metres) Additional ducting @\$150 for 5 metres. (excludes provision of power point)
- ❖ In stock item. (Cash on Delivery)
- ❖ Showroom model available for viewing at Goodman Ceramic Studio.

ONE-TOUCH INTUITIVE CONTROLLER



The new **One-Touch™** Intuitive Kiln Control was designed for busy school teachers, contemporary studios, and hobbyists. One touch and you are ready to fire the bisque and glaze programs. No programming is necessary, simple adjustments are easy, yet sophisticated programming is possible.

Simplicity Without Compromise

1) **One-Touch:** Press one of two buttons marked **BISQUE** and **GLAZE**.


You will then see either **bISC** or **GLA**

- Press **ENTER** and the kiln fires a slow Cone 04 Bisque or a 06 Glaze.
- You can add a **Delay** time to the program by pressing the **DOWN** arrow when you see **FIRE** and before you press **ENTER**
- Press the **REVIEW** button to review the program. You can do this when you see the **FIRE** display or while firing

2) **Simple:** It is easy to change simple parameters to customize your program. When the user presses **BISQUE** or **GLAZE** and then holds the button for 5 seconds then a series of options will appear:


- **CndL** Candle at a low temperature to dry out the work – expressed in hours and minutes
- **COne** Choose the cone that the program fires to
- **HLd** Add a soak time at the end of the firing
- **COOL** Cool the kiln – Fast, Medium or Slow for special effects or thick work
- **HEAT** Speed of firing – Fast, Medium or Slow
- **rStr** Restore the original default settings
- The **UP** and **DOWN** button will allow adjustment of these values
- The internal program ramps are transparent to the user

3) **Advanced:** Press **CUSTOM** and you have four regular Ramp/Soak programs open for custom programming. Each program has eight segments with a ramp, set point and hold for each segment.

	SCHOOL-MASTER - SM23T-3 <ul style="list-style-type: none"> • Ideal for Schools - 3" Premium Firebrick • Rated cone 6 :1220 degrees • 3 Phase / 17.3 AMP • 3 Control Zones, 2 Thermocouples • One Touch Intuitive Controller • Inclusive furniture kit • High Powered Elements • Limited 3 years Warranty 	6.7 (190l)	22-3/8" Diam x 27" High 56.8 cm Diam x 68.6 cm High	\$ 6 000
	SCHOOL-MASTER FURNITURE KIT <ul style="list-style-type: none"> • 8 psc. Of 21" Half Round Shelves • 6 psc each of 1/2", 1", 2", 4", 6" & 8" High 1.5" diameter square posts / props • 1 pair heat resistant gloves • ½ lbs kiln wash 			\$ 800
	KILN COMISSIONING <ul style="list-style-type: none"> • Electrical work for connecting controller to circuit breaker (installation of breaker not included) • Inclusive of 2 metres wiring to circuit breaker. • Inclusive of test firing 			\$ 480

Remarks: Supplier's Top Recommendation for Schools


- ❖ Easy to use One-touch Intuitive Controller. 3 Control Zones, 2 thermocouples.
- ❖ Custom Kiln Fumes Venting Ducting System (Vent-Sure™) available from \$1300 (supply and install of ducting from kiln to window outlet)
- ❖ Delivery to first floor or floor with lift access (Additional cost per floor for labour \$300 per floor)
- ❖ Kiln comes in 3 phrase, 415V. (One phrase setting available upon request)
- ❖ Lead-time for delivery: including delivery 3 - 6 months. (50% deposit for order confirmation. Non refundable)
- ❖ Custom Kiln Fumes Venting Ducting System (Vent-Sure™) available from \$1300 (supply and install of ducting from kiln to window outlet – 4 metres) @\$150 for 5 metres. (excludes provision of power point)
- ❖ Demonstration model available at Goodman Ceramic Studio. View by appointment

	DAVINCI SQUARE KILN – X2827-D RECTANGLE LARGE INDUSTRIAL STANDARD PRODUCTION MODEL <ul style="list-style-type: none"> • Rated cone 10: 1280 degrees • 3" Premium Firebrick • 3 Phrase / 22.6 AMP • 3 Control Zones, 2 Thermocouples • Multi-zone DynaTrol Controller • High Powered Elements • Limited 3 years Warranty 	11.7 (331l)	67.3 cm Wide x 67.3 cm Deep x 68.6 cm High	\$12 500
	DAVINCI SQUARE KILN – X2827-D Furniture Kit Set <ul style="list-style-type: none"> • 6 pcs of 23" X 11½" Rectangular Shelves • 6 pcs each of ½", 1", 2", 4", 6", and 8" Square Posts • 1 pair Heat Resistant Gloves • 5 pounds Cone 10 Kiln Wash 			\$ 980
	KILN COMISSIONING <ul style="list-style-type: none"> • Electrical work for connecting controller to circuit breaker (installation of breaker not included) • Inclusive of 2 metres wiring to circuit breaker. • Inclusive of test firing 			\$ 480

Remarks: Supplier's Top Recommendation:

- ❖ The highest performing kiln with very even firing with the use of 3 zonal control with Dyna-trol Controller. Davinci Kiln most ideal for square tiles and geometric shaped forms.
- ❖ Sophisticated Controller (Dyna-trol™) promotes very even heating including the bottom 2 shelves.
- ❖ Computerized monitoring system (Windows-based) available upon request (price starting from \$950)
- ❖ Delivery to first floor or floor with lift access (Additional cost per floor for labour \$300 per floor)
- ❖ Kiln comes in 3 phrase, 415V. (One phrase setting available upon request)
- ❖ Custom Kiln Fumes Venting Ducting System (Vent-Sure™) available from \$1300 (supply and install of ducting from kiln to window outlet – 4 metres) @\$150 for 5 metres. (excludes provision of power point)
- ❖ Lead-time for delivery: including delivery 3 - 6 months. (50% deposit for order confirmation. Non refundable)
- ❖ Demonstration model available at Goodman Ceramic Studio. View by appointment

FRONT LOADING KILNS (USA BRAND: L & L KILNS: HERCULES SERIES)

	<p>HERCULES EL2436 FRONT LOADING KILN</p> <ul style="list-style-type: none"> • Rated cone 10: 1280 degrees • Parts and labour (1 year warranty) Limited warranty: 2 years • 2 thermo-couples • 3 zonal control with Dyna-trol Digital controller • Heating elements at the door • Fast firing rate 	12 cubic feet	63.5 cm Wide x 66 cm Deep x 91.4 cm High	\$ 13 800
	<p>HERCULES EL2436 FURNITURE KIT</p> <ul style="list-style-type: none"> • 8 psc 11" x 22" Rectangular Shelves, • 12psc 1/2", 1", 2", 4", 6", and 8" Square Posts, • 1 pair Heat resistant gloves • 5 pounds cone 10 kiln wash 			\$ 900
	<p>KILN COMMISSIONING</p> <ul style="list-style-type: none"> • Electrical work for connecting controller to circuit breaker (installation of breaker no included) • Inclusive of 2 metres wiring to circuit breaker. • Inclusive of test firing 			\$ 480

Remarks: Supplier Recommendation:

- ❖ The highest performing kiln with very even firing with the use of **3-zonal control** with Dyna-trol Controller. Hercules Kiln ideal for all forms.
- ❖ Sophisticated Controller (**Dyna-trol™**) promotes very even heating including the bottom 2 shelves.
- ❖ Elements on door. Fast firing rate and even firing.
- ❖ Custom **Kiln Fumes Venting Ducting System** (Vent-Sure™) available from \$1300 (supply and install of ducting from kiln to window outlet)
- ❖ Computerized monitoring system (Windows-based) available upon request (price starting from \$950)
- ❖ provision of power point)
- ❖ Delivery to first floor or floor with lift access (Additional cost per floor for labour \$300 per floor)
- ❖ Kiln comes in **3 phrase, 415V**. (One phrase setting available upon request)
- ❖ Lead-time for delivery: including delivery 3 - 6 months. (50% deposit for order confirmation. Non refundable)

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VENT-SURE SYSTEM BY L & L KILNS (USA BRAND)

<p>Wall Mounted Fan Fan can also be mounted on floor next to kiln or on wall with outlet in vertical position - with up to 60 feet of 4" duct</p> <p>3" Flexible Aluminum Duct</p> <p>KILN</p> <p>Bypass Box</p> <p>d</p>	<p>VENTURE SURE SYSTEM Vents harmful fumes away from a kiln to the outside. Fumes are generated by carbonaceous materials in clay, china paints and glazes. This system includes a bypass/collection box that gets mounted to your kiln, a blower system and exhaust pipe that gets mounted to your wall and 15 feet of flexible connection duct. The bypass/collection box features an adjustable damper that allows you to control how much vacuum the vent system pulls on your kiln. In addition to ventilation, it provides better kiln uniformity.</p>	<ul style="list-style-type: none"> • One motor with a switch on wire • c/w 15 feet hose • Limited 1 year warranty. 	<p>\$1300</p>
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Remarks: Supplier Recommendation:

- ❖ Installation a vent-sure system is a must for air-conditioned studios or studios with poor air circulation.
- ❖ Additional hose at \$150 per 5 metres
- ❖ Installation cost ranges from \$300 to \$800, depending on mounting specifications and requirements.
- ❖ Please enquire with us for a no-obligations site assessment.

MULTI ZONE CONTROLLER – DYNA-TROL CONTROLLER (MADE IN USA)



Main Features

Four Easy Programs

- Slow Bisque, Fast Bisque, Slow Glaze and Fast Glaze preset program. Change the cone level and add a Hold time, Delay and Candling time if desired.

Six User-Defined Programs

- Up to eight segment (with one ramp and soak per segment) in each program. Very flexible.

Delay Time

- Control when kiln starts and stops.

Preheat

- "Candling" fires kiln at 180°F for a time that you set.
- Completely dry out ceramic work before the main cycle begins.

Hold

- Control end of firing.
- Hold the final temperature for a time that you control.

Offsets

- Let you fine tune your firings.

Dynamic Zone Control

- The DynaTrol features Dynamic Zone Control.
- It is like having three controls in one.
- The DynaTrol separately measures temperatures in the bottom, middle and top of the kiln and automatically adjusts the heat output of three separate heating zones even as the kiln is heating up.
- Kiln temperatures are automatically evened out to within 1/2 cone or better top to bottom.
- There is no manual intervention with input switches. There are separate thermocouples (heat sensors) and contactors (power controls) for each of the three zones.
- You may place your load to best advantage without regard to temperature differences.
- There are adjustable offsets for each thermocouple as well as the ability to match control performance with actual witness cones.

Other Important Features Of The DynaTrol

Four "Easy-Fire" Preset Firing Profiles

- This makes it easy to fire ceramics.
- Even people who are shy of programming can work with this control.
- Slow Bisque, Fast Bisque, Slow Glaze and Fast Glaze all have time proven profiles for the vast majority of ceramic firing.
- Just enter cone number and optional delay time, soak time, candling time and alarm.

Six User-Defined "Vary-Fire" Profiles

- This allows you to have 6 separate repeatable stored programs with up to 8 segments (cooling or heating ramps, temperature setpoint and an optional hold time per segment).
- The DynaTrol allows you to soak at a low temperature for a long time (i.e. you can have an automatic drying period) and then automatically ramp up to your high fire at different rates.
- You can ramp slowly through critical periods or soak at end point temperatures for more consistent maturing of work. It also allows a controlled cool-down to avoid heat shock.
- You can link two of these profiles to make one 16 segment program.

Controlled Cool Down After Easy-Fire Program

- It is possible to link a Vary-Fire program that controls the cool down of the kiln to the end of an Easy-Fire program.
- This allows you to use the great Orton software that adjusts the final set point of the kiln based on heat-work but still be able to control your cool down for large work or for maturing glazes properly.

Delay Start By Up To 99 Hours, 99 Minutes

- Allows you to plan end of firing conveniently.
- This can also be useful for saving energy costs by firing kiln with night electric rates.

"Candle" (Low Temp Soak) At 180°F

- You can do this for up to 99 hours, 99 minutes to dry ware thoroughly.
- This great feature can save your pots from blowing up (water expands 1170 times when it turns to steam).

Soak At Final Set Point

- You can do this for up to 99 hours, 99 minutes.
- Soaking can dramatically improve firing results.

As of 12 Dec 2014

TECHNICAL SUPPORT SERVICES

- ❖ We repair all kilns. These include Australian kilns (Tetlow Brand), UK Kilns (Gold Series and Heat Master) as well as European Nobertherm Kilns.
- ❖ We believe in fair-price trading. Please enquiry with us with your kiln model number.
- ❖ Our repairs and maintainence is done by highly qualified industrial electrical engineers.
- ❖ COST
 - Kiln assessment \$120 (inclusive of GST, payment upon assessment)
 - Labour cost for repairing/replacement of parts from \$120 onwards

SATISFIED CUSTOMERS (since 2011)

- ❖ Ceramique Studio (professional artist's ceramic studio : 4 units of Davinci Production standard Kiln)
- ❖ Goodman Ceramic Studio (Open studio at Goodman Arts Centre: 3 units of L & L Kilns including high specification e-Quad Pro Series)
- ❖ Yu Neng Primary School (School Master Kiln)
- ❖ Woodsgrove Primary School (School Master Kiln)
- ❖ Punggol Primary School (Gold Series, UK Kiln)
- ❖ Kong Hwa School
- ❖ St Hilda Primary School
- ❖ Ceramic House (Artist Kim Hui)
- ❖ Euphoramics (artist)
- ❖