

Table Top Kiln Firing Comparison



	Specialty & Economy Firing			Ceramic Fiber Insulation				Fire Brick Insulation					
	Ultralite Studio Kiln	Ultralite Beehive Kiln	Amaco Trinkit Kiln	Paragon SC2	Evenheat Kingpin 88	Paragon SC3	Paragon Home Artist*	Paragon Firefly	Evenheat Studio Pro STP	Paragon Caldera	Paragon E9A Xpress	Paragon E12A	Paragon E12T
Bisque Firing				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bronze Clay				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
China Painting				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Copper Clay				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Enamel on Copper Sheet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Enamel on Silver Clay	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fine Silver Clay	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glass Bead Annealing	✓	✓		✓	✓	✓				✓		✓	✓
Glass Bracelets				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glass Cabochons	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glass Clay				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glass Plates							✓						
Glass Tiles 4" or smaller				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Gold Clay				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Granulation – Silver or Gold	✓	✓	✓										
Heat Treating	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Keum Boo	✓	✓	✓										
Lost Wax Burnout				✓	✓	✓							
Luster Glazes				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Metal Annealing	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Overglaze Enamels	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Porcelain Firing								✓		✓			
Stoneware Firing								✓		✓			
Maximum Temperature	1600 °F/ 871 °C	1560 °F/ 849 °C	1600 °F/ 871 °C	2000 °F/ 1093 °C	2000 °F/ 1093 °C	2000 °F/ 1093 °C	2000 °F/ 1093 °C	2350 °F/ 1287 °C	1800 °F/ 982 °C	2350 °F/ 1287 °C	2000 °F/ 1093 °C	2000 °F/ 1093 °C	2000 °F/ 1093 °C
Door Type	lid	lid	lid	front	front	front	hinge lid	hinge lid	dual	loose lid	front	front	front
Weight (in pounds)	2	2	8	36	40	41	47	45	32	46	55	55	55
Accessories included	spatula	spatula	spatula	shelf	none	shelf	none	none	furn kit	none	none	none	none

*The Home Artist is 12 inches deep. © 2018 Cool Tools All Right Reserved | KLNfiring Comp.2018 | cooltools.us | 888.478.5060

Table Top Kilns Comparison by Model

	Specialty & Economy Firing			Ceramic Fiber Insulation				Fire Brick Insulation					
	Ultralite Studio Kiln	Ultralite Beehive Kiln	Amaco Trinkit Kiln	Paragon SC2	Evenheat Kingpin 88	Paragon SC3	Paragon Home Artist	Paragon Firefly	Evenheat Studio Pro STP	Paragon Caldera	Paragon E9A Xpress	Paragon E12A	Paragon E12T
Maximum Temperature	1600°F/ 871°C	1560°F/ 849°C	1600°F/ 871°C	2000°F/ 1093°C	2000°F/ 1093°C	2000°F/ 1093°C	2000°F/ 1093°C	2350°F/ 1287°C	1800°F/ 982°C	2350°F/ 1287°C	2000°F/ 1093°C	2000°F/ 1093°C	2000°F/ 1093°C
Control Type	manual	manual	manual	digital	digital	digital	digital	man/dig	digital	man/dig	digital	digital	digital
Door Type				front	front	front	hinge lid	hinge lid	dual	loose lid	front	front	front
Interior Width	3.5 in dia	3 in dia	5 in dia	5.75 in	6 in	7.75 in	12 in dia	7.75 in	8 in	8 in	8.5 in	8.5 in	8.5 in
Height				8 in	8 in	7.75 in	12 in	4.5 in	4.5 in	6.75 in	4.5 in	4.5 in	4.5 in
Depth				7.75 in	8 in	7.75 in	12 in dia	8 in	8 in	8 in	9 in	9 in	9 in
Maximum Shelves				2	2	3	4-5	1	1	2	1	1	1
Exterior Width				13.24 in	13.5 in	13.3 in	16 in	15 in	13 in	13 in	14 in	14 in	14 in
Height				15.5 in	15.75 in	17 in	18.7 in	12 in	9.5 in	11.8 in	16.25 in	16.25 in	16.25 in
Depth				14 in	14.5 in	14 in	23 in	18.5 in	15.5 in	19.5 in	18 in	18 in	18 in
Window Option				yes	yes	yes	no	yes	yes	yes	no	yes	yes
Bead Door Option				yes	yes	yes	no	no	no	yes	no	yes	yes
Window/Bead Option				yes	yes	yes	no	no	no	yes	no	no	yes
Portable	yes	yes	yes	yes	yes	yes	yes	caution	caution	caution	caution	caution	caution
Element Location	floor	floor	floor	3 sides	3 sides	3 sides	4 sides	4 sides	4 sides	4 sides	3 sides	3 sides	3 sides
Wattage	250	250	900	1680	1440	1800	1800	1680	1440	1800	1100	1100	1100
Voltage	110V	110V	110V	110V	110V	110V	110V	110V	110V	110V	110V	110V	110V
Available for Europe	no	no	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Weight (in pounds)	2	2	8	36	40	41	47	45	32	46	55	55	55
Accessories Included	spatula	spatula	spatula	shelf	shelf	shelf	none	none	none	none	none	none	none

Studio Kiln Facts to Help You Make Your Decision

- Brick kilns take longer to heat than fiber kilns, so firing in a brick kiln takes longer
- Brick kilns cool slowly, so they are perfect for glass annealing.
- Brick kilns have exposed heating elements and can be replaced by the user.
- The higher the wattage, the faster the kiln heats up.
- Manual kilns require that the entire firing is closely monitored. Cannot be left unattended.
- Carbon firings for bronze and copper clays are more even when surrounded by heating elements on 4 sides (Brick Kilns).
- Ceramic Fiber kilns heat faster than brick kilns.
- Ceramic Fiber kilns cool more quickly than brick kilns.
- Ceramic Fiber kilns have elements in the muffle which is replaced when elements burn out.
- The larger the interior, the longer it takes to heat.
- Digital kilns allow programs to fire unattended.
- All heating elements have a lifespan and how long they last depends on use.