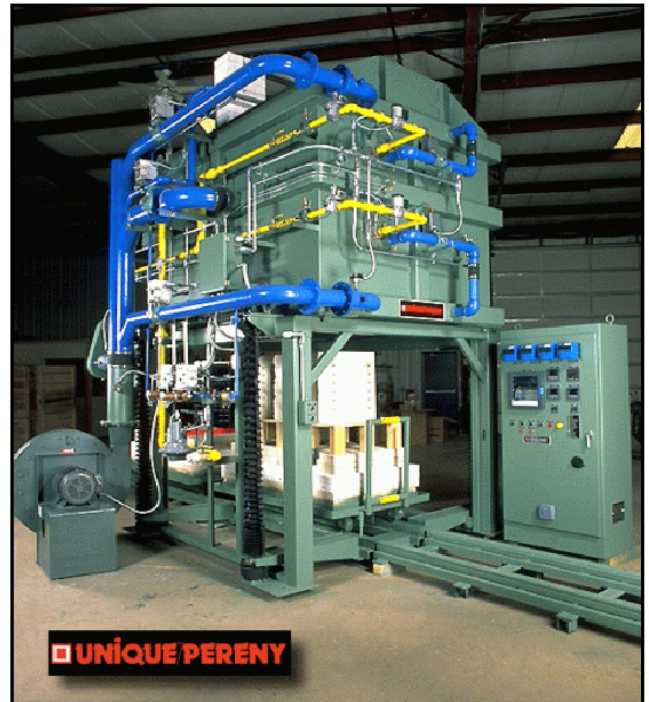




TopGun® ELG SERIES HIGH TEMPERATURE ELEVATOR KILNS MODELS FOR USE TO 1800°C

Firing technical ceramics requires a kiln with proven extraordinary accuracy, reliability, and durability. For binder burnout, sintering and other firing needs, manufacturers of advanced materials trust UNIQUE/PERENY TopGun® elevator kilns to provide repeatable results. Streamlined design includes special high velocity; high turndown burners that create dynamic circulation providing uniform heating and accurate control from 60°C to peak temperature. When dependability and precision are required in a laboratory or production setting, TopGun® kilns are a wise choice. The ELG Series of kilns are available in a selection of standard sizes from 15 to 50 cubic feet (0.42 to 1.42 m³). All are designed to provide long trouble free service. Optional features include preheated combustion air, oxygen enrichment and atmosphere capability.



Standard Features: 1600°C, 1750°C and 1800°C Models

- Rugged steel shell and COOL SKIN® exterior provides a low surface temperature.
- Water-cooled, alloy steel sand seal between the kiln and car minimizes heat loss.
- Lining is multilayered, thermally efficient refractory amply rated for long service life.
- Precision screw jacks ensure smooth car movement and a tight thermal closure.
- Two control zones with type B duplex thermocouples provide temperature uniformity, purge by-pass capability, and over-temperature safety shut-down.
- An automatic pressure controller maintains a constant set pressure inside the kiln.
- High velocity burners are positioned for high heat transfer and energy efficiency.
- Control panel and the entire system meet applicable NFPA, NEC and CE directives.



Optional Features

- Heat recovery system preheats combustion air, increases energy efficiency and enables firing to 1800°C.
- Oxygen enrichment system increases combustion efficiency, flame temperature, firing rate, and maximum temperature capability.
- Down draft exhaust system improves heat transfer, temperature uniformity, and fuel efficiency.
- Kiln atmosphere control system precisely monitors the combustion process to facilitate an oxidizing, stoichiometric, or reducing operating condition.
- After burner system incinerates effluents from combustion exhaust resulting in environmentally safe emissions.
- Custom sizes, kiln car handling system, and HMI PC process controls.

Specifications

HED Part No.	Model No.	UNIQUE/PERENY		ELG Series Kilns		(1650°C / 3000°F)	
		Capacity Cu. Ft.	Setting Space L x W x H	Chamber Size L x W x H	Overall Size L x W x H	BTU 10 ⁶ BTU/HOUR	
50-20-0122-0040	ELG-15	15.0	30"x27"x32"	42"x47"x40"	130"x104"x84"	3.0	
50-20-0122-0041	ELG-20	20.0	40"x27"x32"	52"x47"x40"	128"x104"x84"	3.0	
50-20-0122-0042	ELG-25	25.0	50"x27"x32"	62"x47"x40"	136"x104"x84"	3.0	
50-20-0122-0059	ELG-30	30.0	60"x27"x32"	72"x47"x40"	144"x104"x84"	4.0	
50-20-0122-0043	ELG-32	32.0	64"x27"x32"	74"x47"x40"	145"x104"x84"	4.0	
50-20-0122-0044	ELG-40	40.0	58"x38"x32"	68"x58"x40"	148"x115"x84"	4.0	
50-20-0122-0057	ELG-42	42.0	60"x38"x32"	70"x58"x40"	160"x115"x86"	4.0	
50-20-0122-0054	ELG-46	46.0	65"x38"x32"	75"x58"x40"	164"x115"x85"	4.0	
50-20-0122-0045	ELG-50	50.0	70"x38"x32"	80"x48"x40"	170"x105"x84"	5.0	

*Specifications are approximate and subject to change without notice.



Downdraft exhaust for superb temperature uniformity



Low Maintenance, Heavy Duty Tongue and Groove Lining