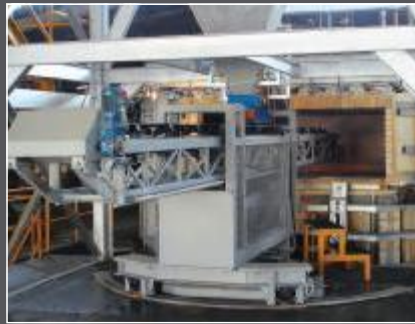


All Electric Furnaces

Electroglass has earned a worldwide reputation for technical innovation in the development of all-electric glass melting furnaces with exceptionally low energy consumption, coupled with high glass quality and flexibility of operation.



- Capacities from 200kg/day to over 250 tonnes/day
- Cold-top melters with superstructure temperatures typically less than 125°C
- Exceptionally low energy consumptions, typically 20% to 40% less than other designs
- Negligible volatilisation and consistent thermal history mean high glass quality
- Minimal environmental pollution, even from volatile glasses
- Silent operation
- Flexible operation with turndown to 50% of rated output or less
- Ability to withstand long power interruptions without emergency measures
- Even energy distribution for minimum refractory-glass contact temperatures and low refractory wear
- Uniform refractory wear pattern and extended furnace life
- Short cold repair time for maximum productivity
- Low cold repair costs: glass contact equipment and substructure refractories only
- No wall cooling or electrode changing required
- Programmable CNC-controlled batch charging system on most furnaces
- Critical equipment, such as control panels, electrode holders, batch chargers, designed and manufactured in-house
- Choice of control systems using advanced PC/PLC technology and user-friendly software with options to suit particular customer requirements
- Individual physical modelling and design studies carried out for each furnace project





Typical Energy Consumptions

- 850kWh/tonne for 20 tonnes/day Borosilicate Cookware
- 780kWh/tonne for 40 tonnes/day Fluoride Opal Tableware
- 750kWh/tonne for 80 tonnes/day Soda Lime Cosmetics
- 720kWh/tonne for 160 tonnes/day Soda Lime Containers

Glass Types and Products

- Soda Lime Flint, Green and Reduced Amber and Greens
- Fluoride Opal
- Borosilicates
- Lead Crystal
- Glass Wool
- Fibreglass
- Containers
- Cosmetic
- Tableware
- Ovenware
- Lighting
- Automotive
- Insulators

Electroglass Ltd

4 Brunel Road, Manor Trading Estate
Benfleet, Essex, SS7 4PS, England

t: +44 (0)1268 565577
f: +44 (0)1268 565594

e: info@electroglass.co.uk
w: www.electroglass.co.uk