

# Tomorrow's Technology Today

## Genius is an infinite capacity for taking pains

Fortunately for the Glass Furnace industry, FIC, the world's leading furnace technology innovator, manages to embrace both of the qualities described in this well-known proverb.

The very first company in the industry to be accredited in 1993 with ISO9001, FIC has an international reputation for not only pushing back the barriers of technological creativity but for approaching every client request as an exciting opportunity to draw on its experience and many fields of expertise in order to provide the optimum solution. To FIC there is no such thing as a 'problem': only the working towards the resolution of an assignment.

Whether the client is merely seeking expert advice, adopting a positive attitude to pre-emptive maintenance or needs FIC for a specific task such as re-positioning its electrode holders, the company's approach is always the same: to appraise the task in hand, draw on its force of over 200 experts world-wide, each with their own individual specialism, and then provide the ultimate in client satisfaction at a cost-effective price.

- Analysis.
- Modelling.
- Boosts installed on the run.
- Electrode advancing.
- Electrode re-positioning.
- Pre-emptive maintenance.
- Task resolution (problem-solving to others!).
- Consultation.
- FIC is a long-established company.
- Over 200 experts world-wide with diverse specialisms.
- Draining.
- We undertake operations involving competitors hardware.
- Regenerator packing (top courses and full replacement).
- Reverse burn-out of sulphate blockages.
- Diagnosis and repair.
- Heat-up, charging and controlled cool-down.

- Glass blister gas analysis.
- Environmental protection.
- Optimizing thermal-technological furnace parameters.
- Project management.
- Efficiency evaluation.
- Furnace surveys for new installations.



- Fitting of: electrode holders, bottom blocks, drains, temperature measuring equipment, electrodes, forehearth electrodes, Tin Oxide electrodes.
- Emergency call-out.
- 21 corporate years of experience.

- Design and Build
- Electric Furnaces
- Electro Boost
- High Q Holders
- Electrode Holders
- HVP Forehearth
- Iso-Thermal Unit
- Bubbler Systems
- Electrode Maintenance Unit
- Drains
- Mathematical Modelling
- Engineering Services



**The World's  
Number One  
in Furnace Technology**



# Genius is an infinite capacity for taking pains

FIC is able to not only undertake full 'Turn-key' projects, commissioning work and hot installations but also a full range of engineering assignments.

Whether it is a boost system that needs replacing or a non-FIC electrode holder, FIC is always on-hand to resolve the task. You may have a boost system that is not being operated correctly or which has intrinsic design failures; electrodes may be worn and need advancing and re-sealing, or electrode holders may need re-positioning.

In a boost system the refractory of the furnace wears in time (far less with an FIC system!). FIC can very precisely calculate the optimum operational position for the holder in the block. As the front block wears, ideally the holder should be retracted but there comes a point in a furnace campaign where it is necessary to pull back the nose of the holder from the now much thinner refractory surface. FIC can ensure that such a major task is carried out with minimum down-time and effect on production commitment.

It is worth noting that all FIC's own holders can be quickly and easily repositioned using the specially designed adjustable fixing means.

Whatever the task, big or small FIC gives its commitment to capitalizing on not just its vast experience and extensive range of specialisms but also that radical and innovative thinking that sets it apart from every other company in the industry.



The World's **Number One**



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