Hotwork International has already successfully executed their “Oxy-Service” at glass melting furnaces. In that case, combustion air is replaced completely or partly by oxygen.

Reasons might be: Regenerators are partly or completely defective, so that the necessary combustion air quantities cannot be supplied and air preheat as well as discharge conditions become worse. Consequences are a reduction of melting capacity and glass quality.

Oxygen is then used to secure production and to increase melting capacity. The advantages of this technology are obvious:

- No constructive modifications of the furnace are necessary.
- Regenerator- or recuperator load is reduced.
- Melting capacity is secured.
- Glass quality can often be improved.
- Service life of the furnace can be extended.
- The melting process can be continued in case of regenerator- or recuperator repair.
- Investment costs are relatively low, compared to other processes.

Hotwork and UAS specialised in supply of auxiliary equipment, including full gas control stations, furnace control system (DCS), full automation, exhaust gas analysis and Oxygen probes as well as tuning, supervision and commissioning services worldwide.

Contact:
contact@hotwork.ag
www.hotwork.ag
The picture to the left shows the installation of 3 replacement Oxygen Burners on an end fired furnace during a regenerator repair. All Burners have a fully flexible flame adjustment.

Results:

Superstructe temperature didn’t change
Furnace can run under full load
Improved batch melting
Improved Quality

Complete Supply Features:
Hotwork and its partner UAS have a complete Oxygen station for a standard end port furnace in stock. It can be prepared in emergencies in short time and shipped directly to the client.
All Oxygen Replacement Burners fit perfectly well into the standard burner bracket (SBB). The Oxygen Burners are base on the regulation gas und oil burner, providing the same flame adjustment characteristics (RGB, ROB).

Swiss Quality and German Reliability .... complete engineering and supply

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