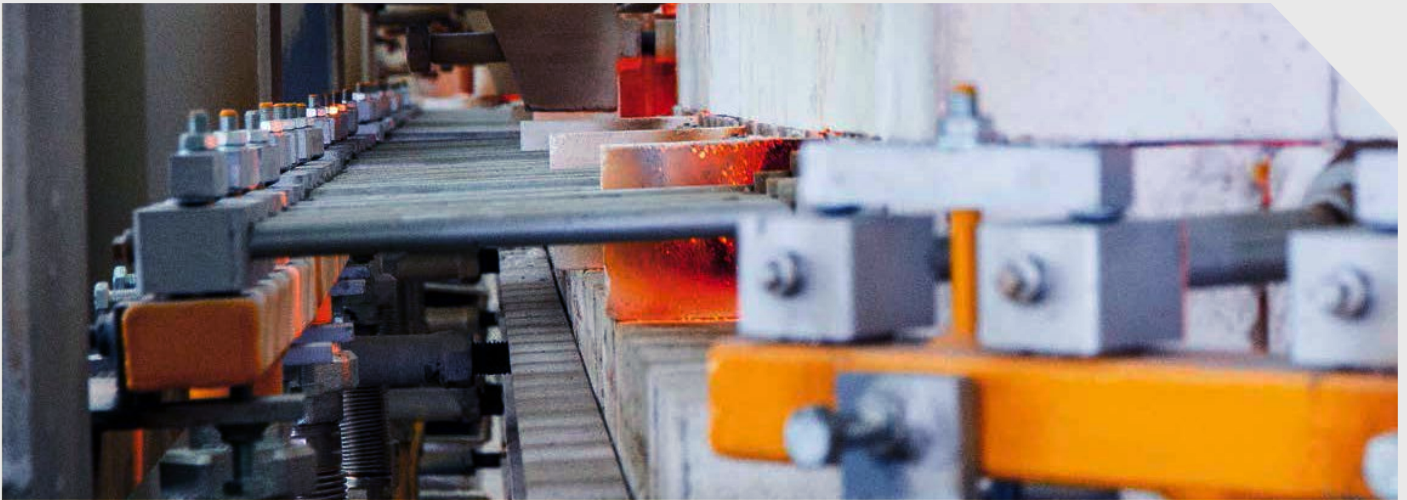


## BURNERS

The burners are installed on the forehearth sides and they are fed with an air-gas mix, that is introduced in the room over the glass and that burns thanks to the ambient high temperature.

The air-gas mix ratio must be kept constant, since any change compared to the optimal value could cause defects (most of all seeds and blisters).

Each nozzle has a working area calculated on the basis of the energy required in each zone, according to the outcome of the thermal balance calculation. In order to prevent any possible damage in case of backfiring, safety heads are installed, which purpose is to open in case the operating pressure exceeds the normal values.



## STIRRER

With BDF stirrer mechanisms it is possible to achieve better quality in glass homogenization and better production flexibility of coloring forehearths.

The system consists of a steel structure and a couple of mixing units typically installed on forehearths equalizing zone.

The mixing units, made of refractory material, are drawn with special profile, apt to improve the glass temperature homogeneity and thus contributing to reduce any possible defect, such as the “cat scratches”, by mixing mechanically the Zirconium in the molten glass.

- Sliding bracket motion for easy maintenance or refractory parts replacement
- Different configuration up to 4 stirrers
- Independent rotation for left/right 4-stirrer group
- Same rotation or counter rotation for each stirrer
- Remote electronic control for speed and direction