

# Manufacturing

## PFG'S FLOAT GLASS MANUFACTURING PROCESS



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**3. Float Bath:** A continuous ribbon of molten glass floats along the surface of molten tin. All irregularities are melted out of the ribbon, to give the glass a flat, parallel surface.

**2. Furnace:** The batch is fed into the furnace and melted at a temperature of around 1,500°C.

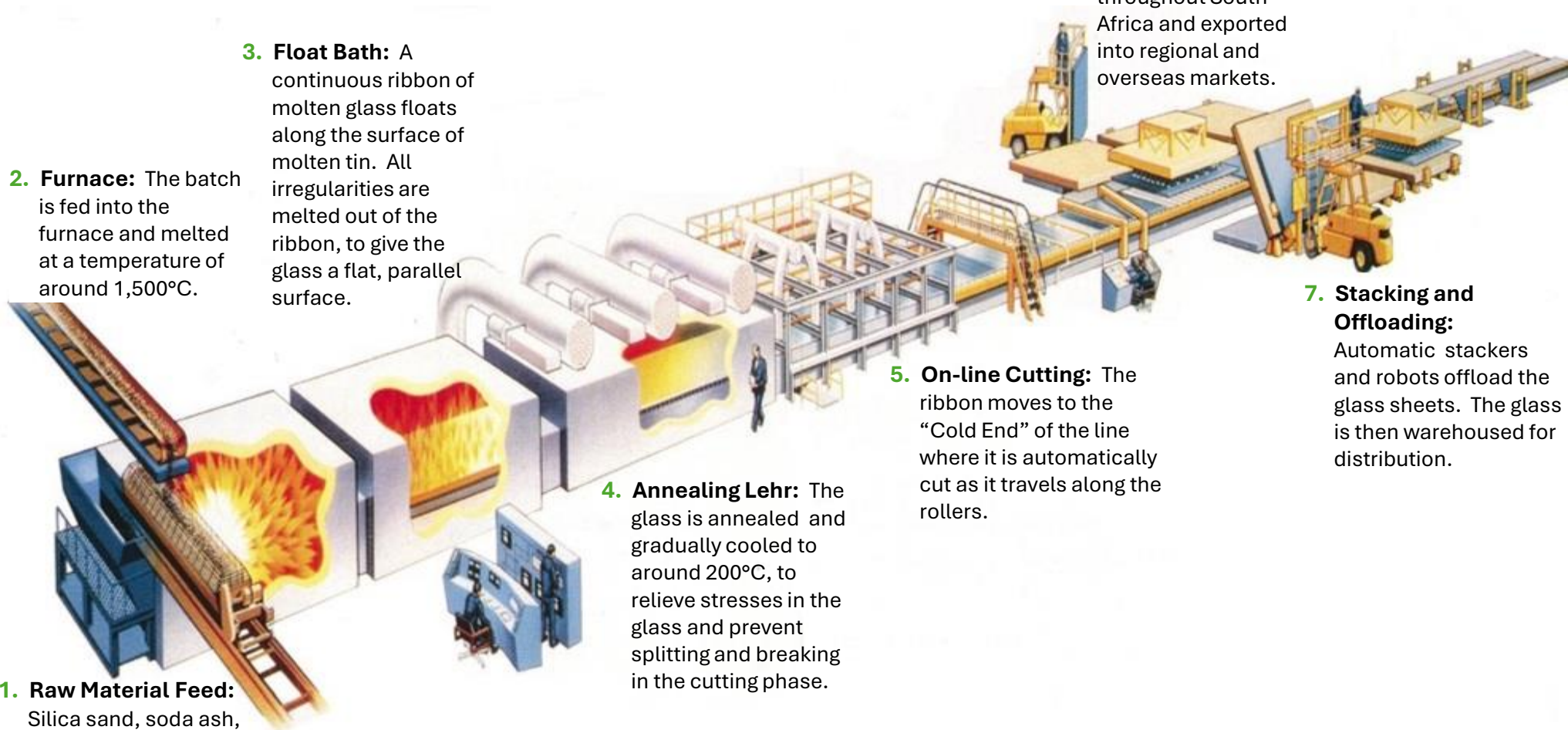
**4. Annealing Lehr:** The glass is annealed and gradually cooled to around 200°C, to relieve stresses in the glass and prevent splitting and breaking in the cutting phase.

**5. On-line Cutting:** The ribbon moves to the "Cold End" of the line where it is automatically cut as it travels along the rollers.

**6. Distribution:** The glass is distributed throughout South Africa and exported into regional and overseas markets.

**7. Stacking and Offloading:**

Automatic stackers and robots offload the glass sheets. The glass is then warehoused for distribution.



**1. Raw Material Feed:** Silica sand, soda ash, dolomite, limestone, sodium sulphate and cullet are mixed together to form the raw material batch.