

# NECK COOLER



**HORN**  
GLASS INDUSTRIES

*innovation*  
ENGINEERED IN GERMANY

# NECK COOLER

An inconspicuous, but nonetheless essential detail at a float glass melting furnace is the neck cooler, which has a considerable impact on the quality of the float glass.

## Neck coolers have three main tasks:

1. Controlling the flow in the glass and generating a barrier effect, which contributes to the homogenisation of the glass melt
2. Cooling the glass, especially the glass surface
3. Forming a barrier where unmolten defect particles are stopped and do not get into the downstream process and working end

The neck coolers have a major influence on both the homogeneity of the glass melt and the thermal efficiency of the float glass melting furnace and are therefore essential in producing high-quality float glass.

The HORN® neck cooler (HNC) enables glass quality improvement in a very simple way.

The coolers are always used in pairs. The cooling element is a welded construction of rectangular pipes fixed on a mobile carriage. The height of the cooler can be adjusted manually. Insertion and retraction are effected manually.

The cooling element is available as a spare part and can be exchanged quickly and easily.

## BENEFITS

- Easy and ergonomic handling
- Simple and compact design
- Fast and easy installation



HORN® neck cooler HNC