

Container Glass Application

The glass containers such as bottles, jars and bowls etc are the various products manufactured in this process. It involves the transfer of molten metal from the working tank to one or more for hearths/feeders. The molten glass then flows into the gob from where it is dropped into the various moulds where the glass forming is done.

The most important and critical region is the Fore hearth/Feeder. Proper temperature is to be maintained in the Fore hearth. By doing so it can be ensured that the molten glass reaching the gob is in homogeneous state. As we know change in temperature is critical to glass viscosity. A slight change leads to changes in viscosity as well.

1. Application : Working Tank

Recommended Product : AST 450G2

Temperature measurement is crucial for maintaining homogeneous condition of the molten glass exiting the tank.

2. Application : Feeder/Forehearth

Recommended Product : AST 450G2

The AST 450G2 is the right solution for the monitoring of temperature in the Fore hearth. The fast response time is useful in monitoring changes in temperature range. Pyrometer contains small optical head which makes it easier to reach the harsh locations and the Fibre Optic Cable can withstand ambient temperature up to 250°C very easily. The accessory such as air purge unit helps in purging and keeps the optical lens clean and the mounting system provides proper support to the pyrometer.

3. Application : Glass Gob

Recommended Product : AST A450C

Efficient temperature control helps in achieving the desired container wall thickness. With the use of infrared pyrometer the correct gob temperature is achieved before entering the next stage. This application demand fast acting infrared pyrometers. The two color pyrometer provides a response time of 20msec. Pyrometer with water cooling jacket is recommended for this application.

4. Application : Glass Mould

Recommended Product : AST A250 single wave infrared non contact on-line digital pyrometer with peak picker and software for continuous data storage and available Small spot sizes.



AST 450G-2

AST 450G2 Mounting systems



Airpurge unit with Sighting Tube



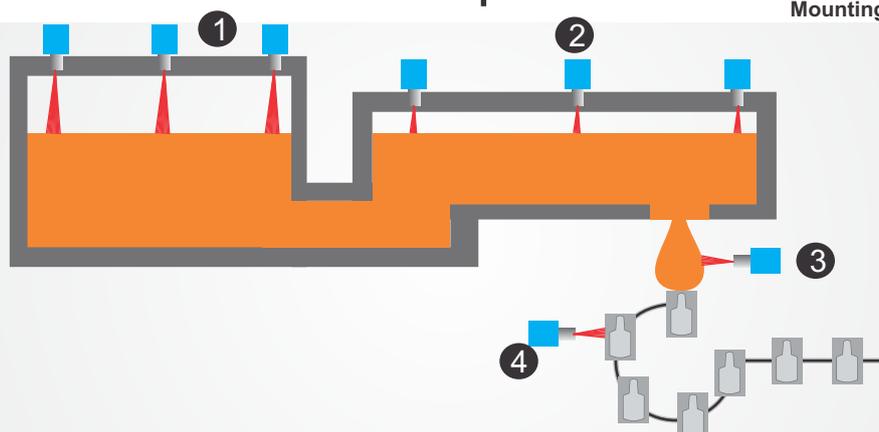
Airpurge unit with Ceramic Tube



AST A450C



Water Cooling Jacket with in-Built Air purge and Mounting Stand



We measure temperature accurately even in extreme conditions