

hEADING for perfection



Gob Assist

Hot end camera solution
for monitoring and controlling the gob
loading for process and quality control

xPARvision

The Gob Assist - an add-on to XPAR Vision's IR camera systems - assists container glass manufacturers to improve their product quality and increases the glass forming process capabilities by monitoring and controlling the gob loading at all cavities.



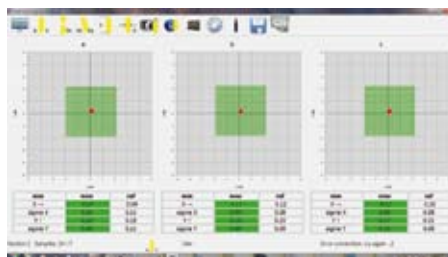
Gob Assist operating principle

At the hot end XPAR Vision's IR-D system detects the intensity and asymmetry of infrared radiation emitted by the hot glass containers. The pre-conditional IR-D measures the variation of intensity and asymmetry of all glass containers over time. An increase in intensity variation at a certain cavity is an indication for bad gob loading. Through an intuitive user interface, the optimal gob loading for this cavity can be obtained and retrieved.

The Gob Assist ensures to find, to maintain and to retrieve the optimal gob loading within seconds, thus eliminating an important source of process variation, thus eliminating critical defects related to bad gob loading.

Connected to the company's network the Gob Assist and IR-D enable remote access for production specialists to review the status of the forming process and apply changes to settings and configurations.

Combined with other XPAR solutions, XPAR Vision provides real-time process information of the hot end forming process from the cutting of the gob until the glass containers enter the annealing Lehr.



Capabilities of the Gob Assist

- Real-time cavity related
- Position of entrance of the gob into blank mould
- Orientation of the gob
- Trajectory of the gob
- Speed of the gob
- Time of arrival
- Gob length
- Gob diameter
- Gob shape
- Closed loop with IR-D system for determination of optimal gob loading
- Single, double, triple and quad gobs support
- Multi product support
- All glass colours
- Round and non-round ware
- Blow-Blow process support
- Press-Blow process support
- Wide Mouth Press & Blow support
- NNPB support
- Production speed: up to 1200 containers per minute

Technical characteristics

- Fixed to the blank side of the IS machine, the Gob Assist camera module is moving on a guiding rail without interfering with the operator's workspace.
- A Gob Assist user interface console is to be positioned flexibly
- Centralized & networked computer architecture (no exposure to hot end environmental conditions)
- Reliability and serviceability for maximized uptime
- Insensitive to pollution
- Open interface with many production information systems
- XPAR SQL-Database support enabled

XPAR Vision partner in implementation

An important part of all XPAR Vision's hot end solutions is the complete and customized implementation program with training, assistance and support from XPAR Vision's consultants. The consultants combine their expertise in glass forming with many years of experience with XPAR solutions. This ensures an embedded and sustainable implementation resulting in increased performance and improved product quality.

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