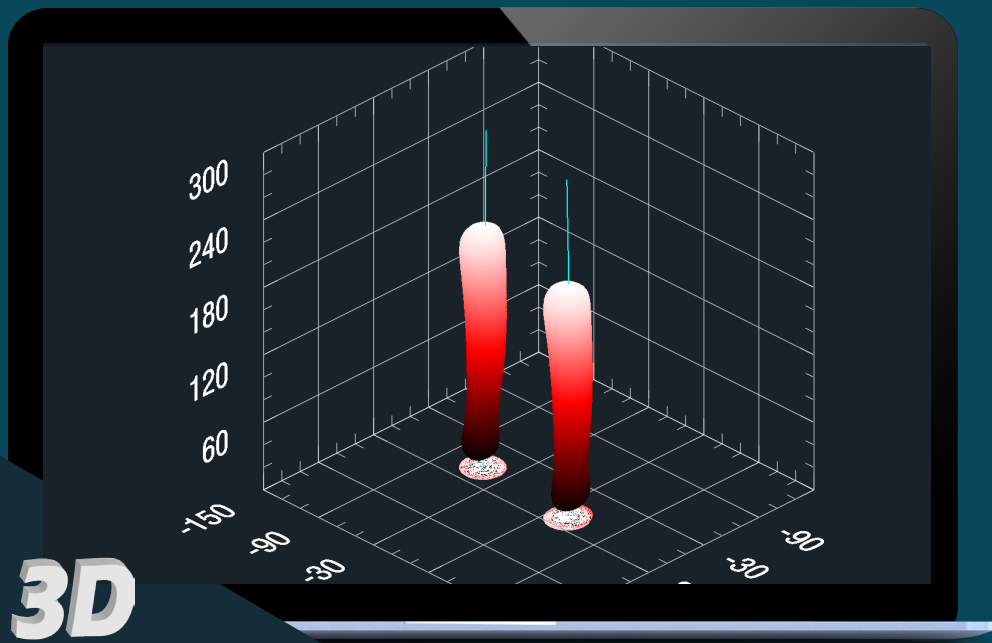


GobScan 3D

by avacon



The evolution of the GobScan. Full 3D reconstruction of the gobs.

Features and Benefits

- ✓ All the benefits of a simple GobScan: get **critical information** of the shape of the gobs and control tube and plungers motors to tune the weight. **Detection of deformations and deviations** to identify possible impurities, non-molten glass, stones, etc.
- ✓ **Positional 3D information**: get the global tilt of the gobs and position in space to ensure correct delivery to distributor.
- ✓ **Full 3D reconstruction**: **Full shape view** of the gobs from all the angles (even from the top).
- ✓ Simple, yet powerful interfaces with the operator to **analyze** deviations of the variables along time.
- ✓ **Permanent communication**: establish communications protocols with the Production Control to send photos and **3D reconstruction of the gobs**.

**More precision,
more efficiency.**



User panel.



Camera in the machine.

Positional 3D information
Continuous weight control

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Minimize the reaction time and acquire all information

The main priority of the system is to minimize the reaction time between the weight measurement and the adjustment of the weight, achieving a more effective and immediate process control. Having a 3D view of the gob allows a more stable adjustment.

In addition, having that 3D reconstruction allows a faster gob shaping in the job changes, and it makes

easier to adjust shape during production, as it shows the real deformation of the gobs.

The installation of this system makes the adjustment of the machine for the ideal weight not only accurate, but automatic and in real time.



Camera settings.



Main screen.

Capture weight of multiple gobs and reconstruct 3D shape

Each camera is able to observe multiple gobs and use the information to achieve a control on the weight. The information of both cameras is used to reconstruct the real 3D shape and achieve a more accurate information of the weight.

Databases

All data, (from each camera, and from the reconstruction of the image) is saved into databases, allowing the tracking of all the gobs and following up the trend of the production.