Line Control



ABC-DTM

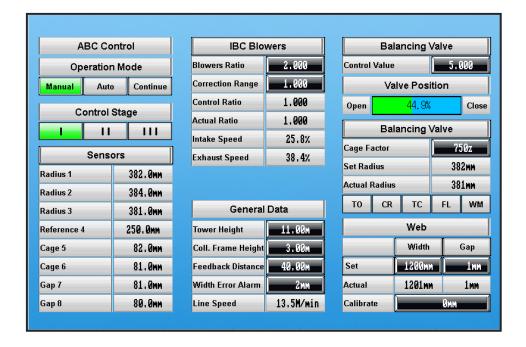
Digital Advanced Bubble Control

The ABC-D system is designed to control the production of the lay-flat in *Blown Film Extrusion*. It has fully automatic control over the IBC (Internal Bubble Cooling) blowers and the balancing valve along with the calibrator cage size thus automatically achieving the desired lay-flat width.

The ABC-D system allows continuous changes of any product parameter and/or line operation during production while maintaining superior accuracy of the bubble size.

The ABC-D system controls the following:

- Bubble size and lay-flat width
- IBC blowers
- Calibrator cage motor
- Balancing valve
- Bubble gap



Features:

- Digital reading and control for superior accuracy and zero calibration.
- Eight digital ultrasonic sensors for measuring the bubble size and cage position.
- Easy installation, wiring and tuning.
- Unique electric circuit for fast and accurate digital measurements.
- Air balancing valve operated by servo.
- Calibrator cage position control (cage diameter).
- Bubble/Cage pressure control (bubble to cage gap).
- Atmospheric compensation to maintain accurate and uniform lay-flat width over time.
- Modeling control technique ultra fast and stable width changes.
- Automatic width calibration by applying communication with the web-guide system (optional).
- Standard industrial PLC control with color touch-screen HMI.

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