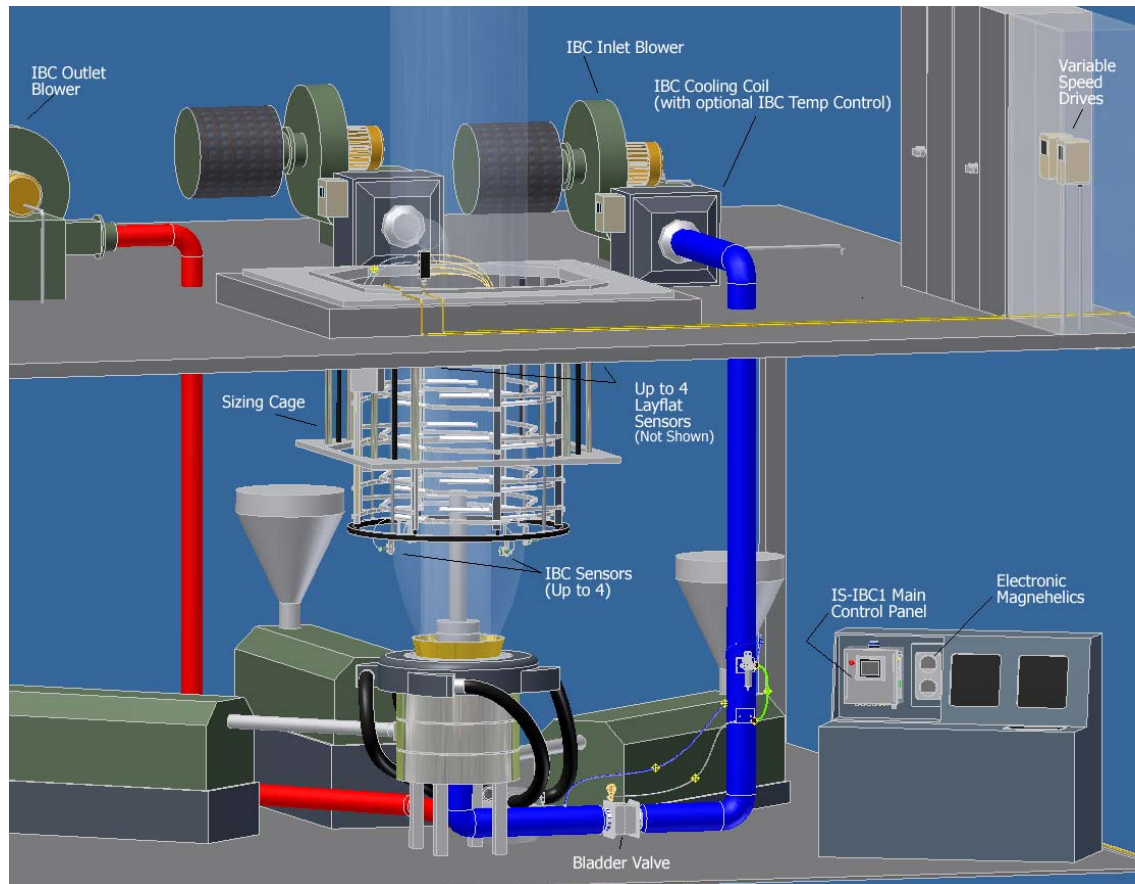


IS-IBC1[®] NON-CONTACT INTERNAL BUBBLE COOLING CONTROL SYSTEM - HIGH OUTPUT

3rd Generation IS-IBC1[®] Control System



IBC Control Systems

For over 20 years, D.R. Joseph, Inc. has been supplying the blown film industry with the most advanced Internal Bubble Cooling (IBC) control systems on the market. D.R. Joseph, Inc. understands how important it is to protect your substantial investment in your blown film extrusion line by supplying the most comprehensive IBC control system. The IBC control system is considered one of the most critical components of any blown film line. A good IBC control system manages the bubble by providing high production outputs and bubble stability resulting in higher profits by managing resin costs more efficiently.

D.R. Joseph would like to introduce its latest achievement in IBC control technology - the new 3rd Generation IS-IBC1 Control System. The patented IS-IBC1 system can improve production rates 25-40% when going from non-IBC to IBC, and 8-15% over competing IBC systems. The IS-IBC1 has the capability to provide extremely tight layflat control including trimless applications along with the ability to run many different recipe applications. A wide range of features allow the system to be matched to any requirement including a fully automated system that manages the bubble, blowers, layflat and sizing cage.

3rd Generation IS-IBC1 Control

The 3rd Generation IS-IBC1 system now comes standard with either a 6" or 4" color touch screen with TFT technology, the automatic blower balance feature, (2) IBC sensors, the patented bladder valve, and electronic pressure magnehelics. Flexible configurations are available regardless of the space on your extrusion line.

Customizable Features

Each system is customized to fit your line and can include:

Multiple Sensors

Add 1-2 ultrasonic sensors to the included (2) IBC sensors.

Layflat Control (Patented)

Provides an instant readout of the actual layflat from 2-4 layflat sensors mounted on top of the sizing cage.

Automatic Cage Control (Patent Pending)

Allows the operator to enter the desired layflat and continue with other setup issues while the system automatically sizes the cage and the bubble.

Configurable Beacon Alarm

Configurable alerts to management when operator is running the line in less than an optimum manner.

Integration Enhancements

Configure and validate data integration through five built in protocols (Modbus RTU, Modbus ASCII, Modbus TCP, Modbus UDP, or Kundig PCD.2)

Remote Operator Station (2nd HMI Device)

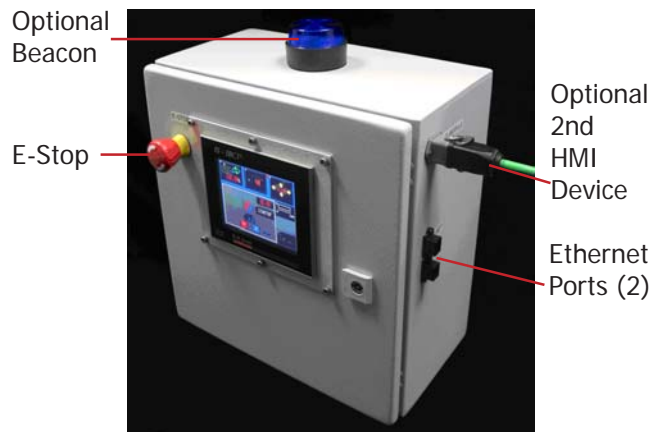
Standard Features

- NEW!** Ⓞ Automatic Valve Calibration
- NEW!** Ⓞ Auto Setting Bubble Break Detector
- NEW!** Ⓞ Auto Setting Relative Blower Ratio
- NEW!** Ⓞ Ducting Failure Detection
- Ⓞ Remote Diagnostics Capability
- Ⓞ Layflat Deviation Alarm
- Ⓞ Remote Control Operation
- Ⓞ Two External Ethernet Ports

D. R. Joseph

INCORPORATED

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Website: www.drj1.com Phone: 972-641-7711 Toll Free Number: 800-767-4470 Fax: 972-641-8747



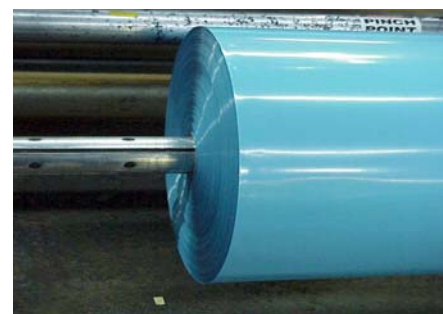
Performance and Benefits

- Ⓞ Easy Installation
- Ⓞ Flexible Configurations
- Ⓞ Automated Start-up and Sizing
- Ⓞ Improved Rate and Quality
- Ⓞ Payback in 12 months or Less
- Ⓞ Operator Friendly
- Ⓞ Reliable Operation
- Ⓞ Operating Costs Reduced
- Ⓞ Excellent Customer Care

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Go from this...



To this!



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