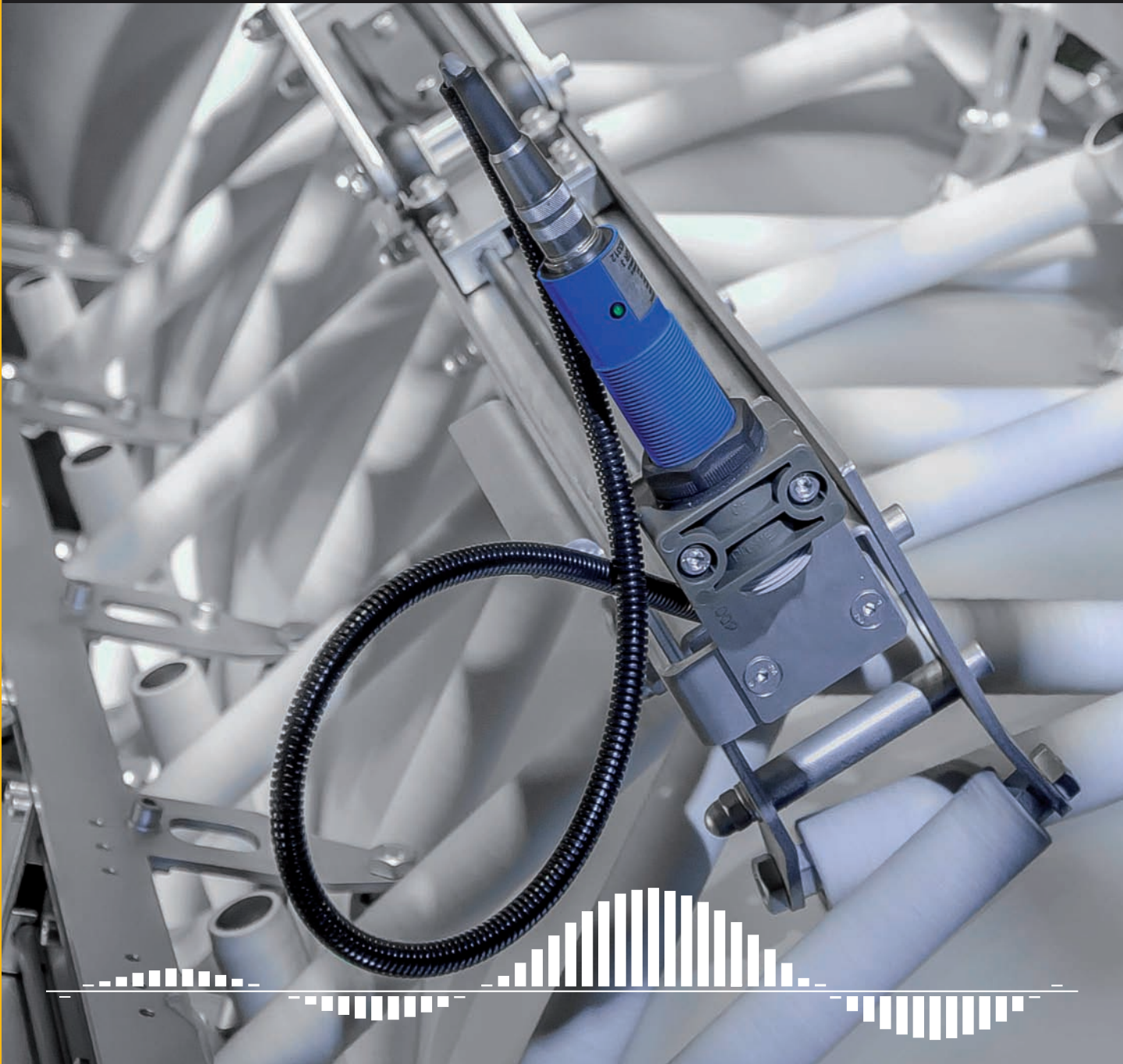


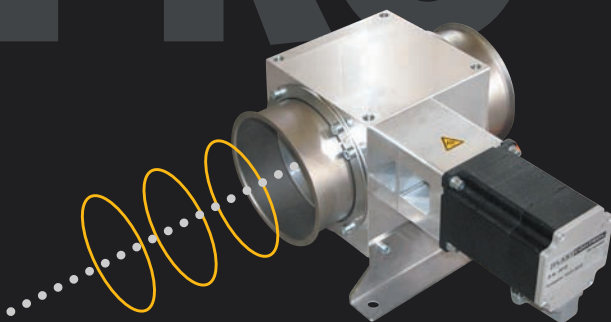
IBC. YOU'D BETTER GET THE PRO!



PRO-SONIC

**MODERN,
PRECISE AND FAST
IBC-CONTROL *PRO-SONIC***

**THROUGHPUT INCREASE
UP TO 50%**



PLASTCONTROL

IBC CONTROL SYSTEM

PRO-SONIC

As a fundamental part of most modern blown film processes, the IBC control system has a direct influence on machine output, bubble diameter stability and order/width change time.

High resolution ultrasonic sensors are positioned around the circumference of the bubble, mounted to the calibration basket. Used in combination with PLAST-CONTROL signal processing hardware, bubble diameter is calculated several times per second.

For closed loop control, the Stepper Throttle Valve (STV) is controlled directly by the *PRO-SONIC* system with a lag free reaction to actual bubble diameter change. Diameter tolerances are kept to a minimum. For large diameter/volume bubbles, we also offer direct inverter control of the IBC inlet fan.

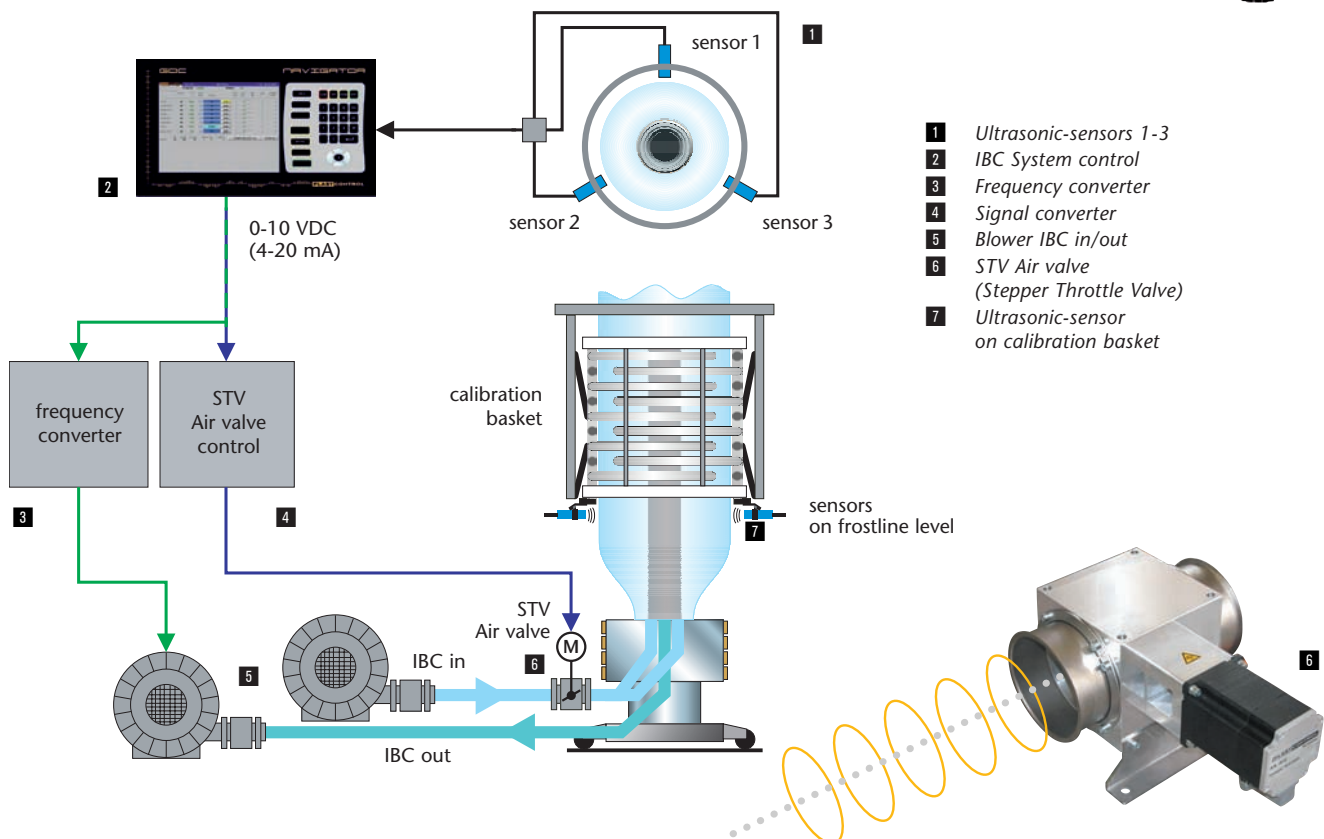
Optionally, the system can also be equipped with automatic air balance regulation of the inlet/outlet blowers speed/volume, ensuring optimum bubble diameter control from the STV unit.



7

With an easy operator interface and logic control, *PRO-SONIC* quickly becomes an invaluable tool for the machine operator.

PRO-SONIC control principle (scope of delivery)



- 1 Ultrasonic-sensors 1-3
- 2 IBC System control
- 3 Frequency converter
- 4 Signal converter
- 5 Blower IBC in/out
- 6 STV Air valve (Stepper Throttle Valve)
- 7 Ultrasonic-sensor on calibration basket

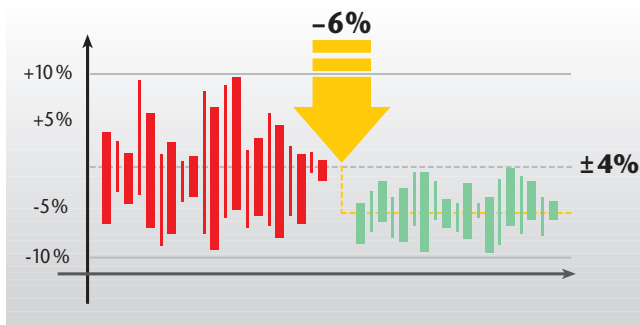
IBC – INTEGRATED OR STAND-ALONE

The IBC-Control *PRO-SONIC* can either be fully integrated into all PLAST-CONTROL systems (for example in a gravimetric or a profile control system), or be used as a stand-alone system.

Upgrading to *PRO-SONIC* offers full non-contact high resolution sensors and ultra-fast acting STV control valve, reducing edge trim width (increased wound output) and reduction in order change time.

HIGHER EFFICIENCY ... *PRO-SONIC* + *PRO-WIDE*

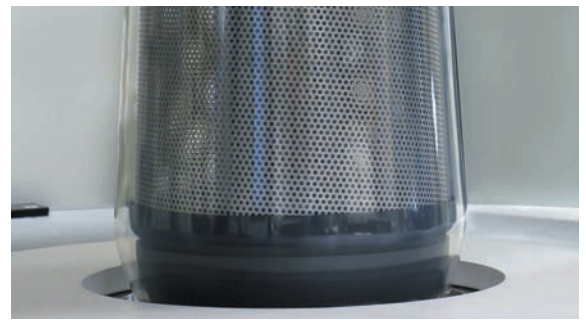
Our IBC-control system *PRO-SONIC* works at its best in combination with *PRO-WIDE*, the width and measuring control tool from PLAST-CONTROL.



- 1 IBC-Tower
- 2 Straight rolls without trimmed edges
- 3 Width fluctuations reduction
- 4 *PRO-WIDE* width measurement
- 5 Display screen

Advantages:

- Reduction of the edge trim through more stable width
- Higher reeled film output with less production output lost to edge rim
- Increase in output through higher cooling capacity
- Less waste through faster changeover
- Non-contact measurement
- Very fast and precise measuring
- Precise throttle valve with stepper motor
- Fully integrated or stand-alone versions



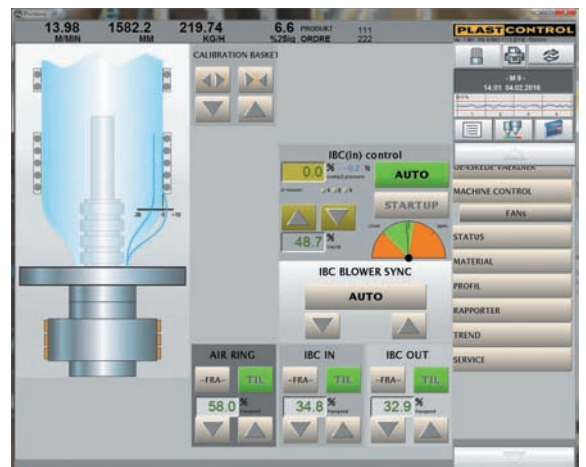
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