



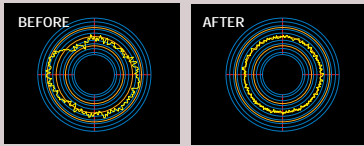
## EGC External Gauge Control



### ADDEX INC.

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# EGC External Gauge Control



## THE CONSOLE

(74"H x 31.5" x 24" / 1880 x 810 x 600mm)  
A self-standing operator-controlled station with an industrial-grade PC, a 15" (381mm) LCD display, a keyboard tray, and a laser printer.

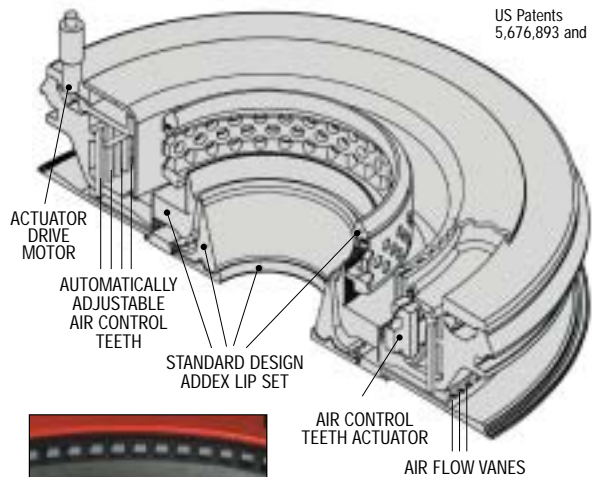
## THE AIR RING

The air ring is equipped with vertically sliding teeth that adjust the air flow through the radially located vanes in the air ring's plenum causing preferential cooling on the outside of the bubble. A scanning actuator raises or lowers a multitude (132-244 depending on air ring size) of teeth, as needed, to open or close the airflow channels (vanes).

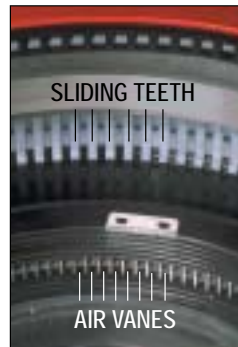


## THE LIVE RING (Carousel)

Oscillates the capacitive or air cushioned nuclear thickness sensor around the bubble. It is located between the highest frostline and the collapsers.



US Patents  
5,676,893 and 5,468,134



## FEATURES


- The film's thickness variation is corrected by the automatic adjustment of the air flow through the air ring's vanes.
- The overall air flow and thus the air ring's optimum cooling capacity is preserved regardless of the adjustments.
- The Very High Resolution of the control is assured by the multitude of teeth/control zones that can be moved to any up or down position within each vane.
- The High Control Accuracy is assured by RS-485 converted signals between sensors and computer as well as from the computer to the actuator in the air ring.

## AIR REQUIREMENTS

US	METRIC
D" x 150 = CFM @ 80°F & 25"H <sub>2</sub> O	D mm x 10 = m <sup>3</sup> /h @ 27°C & 6.2 KPa

LEGEND: D" = Die diameter in inches  
D mm = Die diameter in mm  
CFM = Cubic feet per minute  
F = Degrees Fahrenheit  
C = Degrees Celsius

## SPECS

SIZE		Number of Air Inlets x Ø	Number of Control Zones
4" - 8" 100-200 mm	48" 1220 mm	6 x 4"/102 mm	90-114
9" - 16" 225-400 mm	56" 1423 mm	6 x 4"/102 mm	120-168
17" - 24" 425-600 mm	64" 1626 mm	8 x 4"/102 mm	168-216
25" - 36" 625-900 mm	76" 1931 mm	10 x 4"/102 mm	224-288

Larger ones are available upon request

## OTHER ADDEX PRODUCTS

- Dies
- Air Rings
- Internal Bubble Cooling
- Other Automatic Gauge Control
- Extruders
- Oscillating Haul-offs
- Winders (Surface/Center)
- Complete Film Lines



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