



**ADDEX**

## HIGH-PERFORMANCE AUTOMATIC PROFILE CONTROL

### **EGC** External Gauge Control

- Single Inlet Plenum
- Multi-Inlet Plenum
- With or Without IBC
- Rotating or Stationary Die

Now  
available  
for rotating  
dies!



### **ADDEX INC.**

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**3 Sigma Performance at a 2 Sigma Price!**

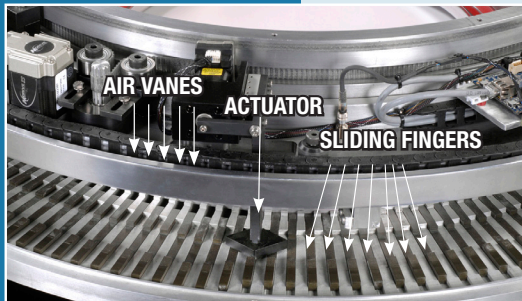
**Intensive**  
**Cooling**  
TECHNOLOGY

**3 SIGMA PERFORMANCE AT A 2 SIGMA PRICE!**

**HIGH-PERFORMANCE/AUTOMATIC PROFILE CONTROL**

# EGC External Gauge Control

PATENT: [www.addexinc.com/patents](http://www.addexinc.com/patents)



## THE AIR RING

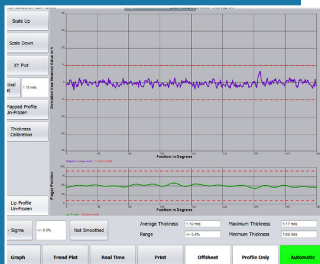
Horizontally sliding teeth adjust air flow through radially located channels, in response to mapped thickness profiles. The Addex EGC air ring controls 100% of the airflow providing maximum control over gauge variation.

## THE MAPPER

Raw profile input from the thickness measuring system combined with signals from the reversing haul-off & nip roll speed achieves 1° film profile mapping—best in industry! Automatic twist compensation without operator input!

## THE GRAPHICAL USER INTERFACE

A wall-mounted control panel with 17" touchscreen monitor. Allows gauge profiles and control profiles to be displayed together with trending and profile statistical analysis. Super easy to install—only requires power and Ethernet connection between the UI and the Gen3 EGC controller.



**WE MEASURE BETTER, WE CONTROL BETTER**

## AVAILABLE SENSOR OPTIONS

### AROUND THE BUBBLE

Located on a scanning live ring between the highest frostline and the collapsers, rotating around the bubble.

- CAPACITIVE (LIGHT CONTACT)
- AIR-CUSHIONED CAPACITIVE (NON-CONTACT)
- AIR-CUSHIONED NUCLEAR (NON-CONTACT)
- AIR-CUSHIONED X-RAY (NON-CONTACT)

### AFTER THE PRIMARY NIP ROLL

Oscillating haul-off required.

- CAPACITIVE LAYFLAT (NON-CONTACT)
- IR SCANNER (NON-CONTACT)
- NUCLEAR SCANNER (NON-CONTACT)

## INTENSIVE COOLING AIR REQUIREMENTS

US

METRIC

$$(D'' + 2) \times 200 = \text{CFM}$$

@ 80°F & 25"H<sub>2</sub>O

$$(D \text{ mm} + 50) \times 13.3 = \text{m}^3/\text{h}$$

@ 27°C & 6.2 kPa


### LEGEND

D'' = Die diameter in inches  
CFM = Cubic feet per minute  
F = Degrees Fahrenheit  
H<sub>2</sub>O = Inches water pressure unit

D mm = Die diameter in mm  
m<sup>3</sup>/h = Cubic meters per hour  
C = Degrees Celsius  
kPa = Kilopascal pressure unit

NOTE: Precision blower & die profile information required at time of order.

## SPECS

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

Larger sizes are available upon request

Note: For Intensive Cooling specs, see the Addex Intensive Cooling Air Rings Data Sheet.

## FEATURES

- Available with Intensive Cooling technology to boost output by 10–15% & improve stability, or with Intensive Cooling Short-Stack, 20–30%.
- Film's thickness variation corrected by automatic air flow adjustment.
- Total air flow & cooling capacity preserved regardless of adjustments.
- Very high resolution of the control.
- Ethernet and single power source connection.

## HOW DO WE DO IT?

**A SINGLE ACTUATOR  
ADJUSTS ALL SLIDING FINGERS.  
SIMPLIFY THE SYSTEM  
MAXIMIZE THE RESOLUTION**



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