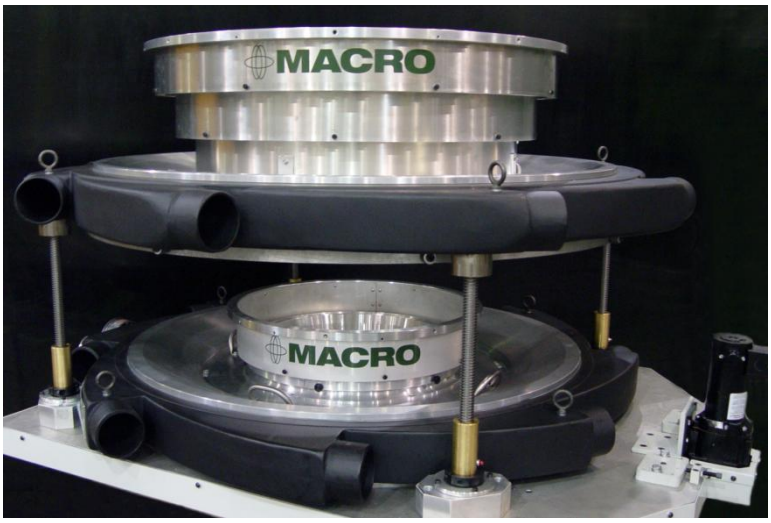
D10-B Binary Air Ring System

Increased Output and Improved Film Properties



Key Features:

- Increase output rates more than 30%
- Efficient cooling with exceptional bubble stability
- Quick locking bubble for faster startups
- Easy adjustment features allows for full adjustments to be made during production
- Superior gauge uniformity

Macro's D10-B Binary Air Ring System provides processors with the means to increase output on blown film lines, while also improving the gauge and clarity of the film.

The system consists of two D10 Dual Lip Air Rings mounted to an elevating assembly.

The primary air ring pre-cools the resin, stabilizes the bubble and provides high velocity air to shield the bubble from plant fluctuations that can disrupt gauge uniformity.

The secondary air ring supplies a highly turbulent second air stream to enhance cooling and generate significantly higher throughput rates. The enhanced cooling also allows the bubble to be drawn to its final shape quicker and produces film with improved clarity and gauge.

Height adjustments to the secondary air ring are easily made with the elevating mechanism to optimize the amount of cooling supplied by the primary air ring.

Optional items:

- Interchangeable lipsets
- Additional stabilizers
- Insulated chamber to reduce condensation
- Air distribution manifold
- Complete air blower package

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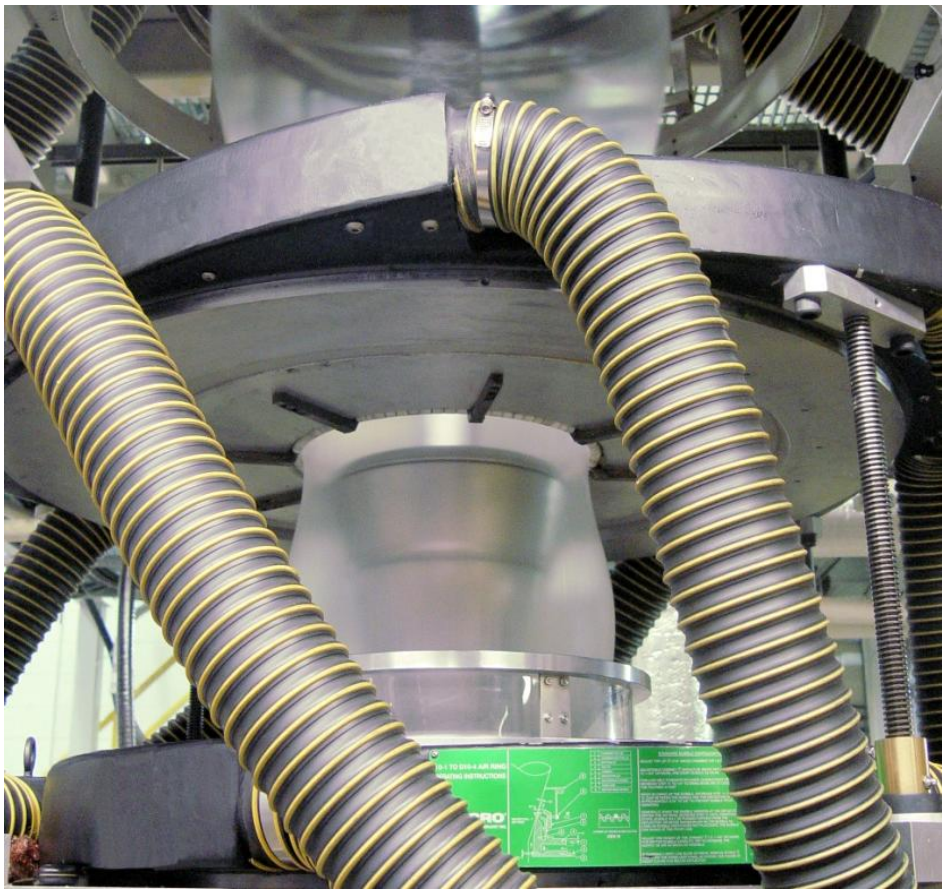

Model	ME-14BC-18C	ME-14BC-24D	ME-18C-24D	ME-18C-30E
Die Diameter Range (mm)	152 - 254	254 – 305	356	356
Layflat Range (mm)	480 - 1600	990 - 2260	1118 - 2083	1397 – 2030
Air Ring Chamber Outer Diameter				
Primary (mm)	1168	1168	1448	1448
Secondary (mm)	1448	1575	1575	1930
Expected Specific Output (Kg/hr per mm die diameter)	1.3 – 1.8	1.3 – 1.8	1.3 – 1.8	1.3 – 1.8
Expected Gauge Variation	± 2 - ± 5%	± 2 - ± 5%	± 2 - ± 5%	± 2 - ± 5%

* Maximum output and gauge variation is based on field data and lab trials. Results will depend on many factors including, but not limited to, resin types, film thickness, blow-up ratio, and air temperature for air rings and IBC.

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