

Saturn **PERFECT BALANCE** Manual Air Ring System

Saturn Air Ring Technology™ the air rings that began a revolution in 1978, introduces a New generation of air rings for blown film. With a history of superior design, the performance-proven Saturn air ring will meet and match the exact characteristics of any polymer.

This new air ring delivers **segmented airflow to calculated circumferential areas**. This thickness improvement system will offer simplicity and effectiveness. The Perfect Balance manual air ring enable operators to manually manipulate airflow to desired points, increase low thickness areas to improve yield of a high quality film.

The **Saturn Perfect Balance** manual system can be upgraded to **Fully Automatic profiling** air ring as an option.

The Saturn Perfect balance air ring works with stationary, rotating and oscillating dies.

FEATURES

Benefits

- Improve thickness variations.
- Increase Cost effectiveness and correct gauge problems.
- Improve bubble stability.
- Improve frost line height control
- Achieve faster running speeds
- Improve roll geometry
- Improve width control
- Quality running of low-melt strength materials
- Ease of operation, no additional blowers
- Improve running of unique polymer blends, off-spec or wide-spec materials and reprocessed resins.
- Saturn manual profiler comes with easy to Reach control knobs to regulate airflow around the bubble.



Design

- Manufactured from light and rigid aluminum components for durability.
- The advanced dual lip design maintains the control that is necessary to produce improved roll geometry, thickness control and bubble stability. This design will maximize the cooling rate and utilize maximum blower efficiency with proven gauge deviation reduction.
- The extended height geometry of the Bubble Cone controls bubble stability and maximizes airflow control. The Adjustable Chimney also allows customized control of the airflow through the gate.
- Profiling system based on circumferential segments installed as an integral part of the air ring.
- Airflow to the segments is integrated from the main chamber supply.
- Individual gates control the airflow volume and velocity to each segment (no additional blowers required.)



Application

- We have improved the airflow characteristics of the Saturn Perfect balance air ring to accommodate the demands of new polymers and combinations, faster running speeds and tighter film tolerances. Suitable for running low melt-strength materials at higher blow-up ratios. The **Perfect Balance Manual** air ring can be upgraded to an **Automatic** air ring when needed.
- Multi layer lines where gage control is important are always a perfect example of applying the profiler air rings, however, we noticed many of our customers with mono layer lines are upgrading to the new Perfect balance air ring too, mainly to enhance their product and cut costs. If you are a customer for Saturn air ring, then you are entitled for specific discounts when upgrading.

For more information regarding the **Saturn Perfect Balance** air ring, contact our sales staff.