Development of MAGIFLOW air ring design not only advanced the performance of air ring design in terms of cooling efficiency and bubble stability but also improved profile control and reduced the amount of operator adjustment required to produce high quality films at high outputs.

After extensive development the second generation double air ring has been released and labeled PRO-CON DUO II.

The Duo version utilizes a primary plate designed to stabilize the film prior to it entering the Magicflow PRO-CON air ring. The unique design allows the film to orientate in the length direction without any initial transverse expansion.

This design does not restrict the B.U.R (Blow up ratio) range and has several advantages. The zero transverse expansion can increase film tear strength, dart drop and improve film clarity and can produce some co extruded films on mono lines and complexity of film blend can also be reduced. Time between die cleaning is increased due to the film being more tolerant to drop outs and wax.

Machine and product permitting the system also increases machine output by up to 30% above that of the standard Magicflow design or 60% over older air ring designs.

For ease of use the PRO-CON Magicflow is also fitted with an electrical lifter to raise and lower the air ring for machine start up and maintenance plus allows for varying the process results at different heights.
Easy to use Software with single push-button operation

If you are a user of PLAST-CONTROL systems you will appreciate that they are easy to use and manage, with simple push-button layout via an industrial quality touch screen system. Information is displayed through easy to read and understand screen displays.

PRO-CONs superb clear screens means that even sophisticated profile control systems can be used by all levels of operators and in any operating conditions.

PRO-CON is completely automatic, with no manual valves for the operator to adjust. The system will adjust to suit process conditions and various films without the need for calibration procedures or control set-up.

When more advanced data is required for quality control or customer information, then several sophisticated reporting packages and connection to our PCC central reporting system can be purchased.

On-line Profile measurement systems

The PRO-CON system can be adapted to suit most types of dies and air ring configuration.

Die size range accommodated from 4" to 30" depending of model

The profile measurement system can be mounted either on our range of rotational scanners for a maximum bubble diameter 21' or fixed within the collapsing frame.

We have profile measuring systems for all applications including fixed capacitive head for standard films, diamond like coating for aggressive materials, non-contact for surface sensitive films on the bubble and non-contact layflat C-SCAN mounted after the nips for barrier films.