



High Performance Automatic Air Ring

FLYER is an automatic air ring designed for high efficiency and high output. Elevators lift up the automatic triple lip air ring almost doubling the line throughput while improving physical properties of the film such as haze, tear, elongation and especially puncture resistance.



PRINCIPLE OF OPERATION

FLYER provides segmented airflow to localised areas around the blown film bubble through the air ring while stabilising the film exit due to the third special counterflow lip. The automatic thickness improvement system offers simplicity and state-of-the-art visualisation giving the highest operational reliability.

MAIN FEATURES

EASY INSTALLATION

FLYER can easily replace an existing air ring improving the performances of the line such as throughput and profile control with an average ROI (return on investment) of 6-9 months.

SINGLE AIR INLET CHAMBER

Single air inlet chamber ensures area around the die for easier maintenance.

DOUBLE LAYER CARBON FIBRE CHAMBER

The FLYER chamber is made of a double carbon fibre skin with an insulation layer in the middle for moisture free operation.

LIFTING SYSTEM

Flyer lifting system managed by SYNTROL ensures repeatable positioning minimizing the time via the product recipe.

PLC, INDUSTRY 4.0 & IoT

Flyer's control cabinet is equipped with PLC & PC ready with OPC-UA protocol for industry 4.0 along with PC touch screen, keyboard, mouse and printer.

BOOSTER STABILIZER

Booster stabilizer available for better bubble stability and higher output.

TECH 2.0

Extreme Performances on Auto Profile Control, FLYER is available with air volume and temperature control working together in order to reduce the original profile deviation. With Tech 2.0, FLYER has one motor and two heaters for each control point and it can achieve up to an 75% reduction of starting profile deviation.

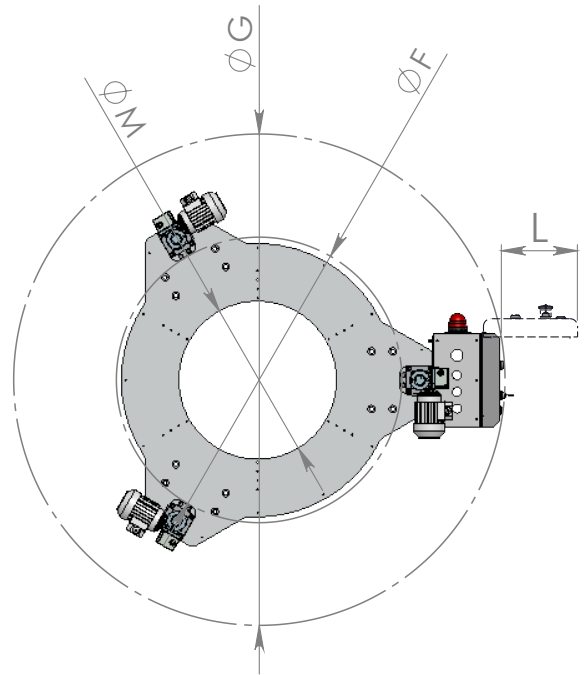
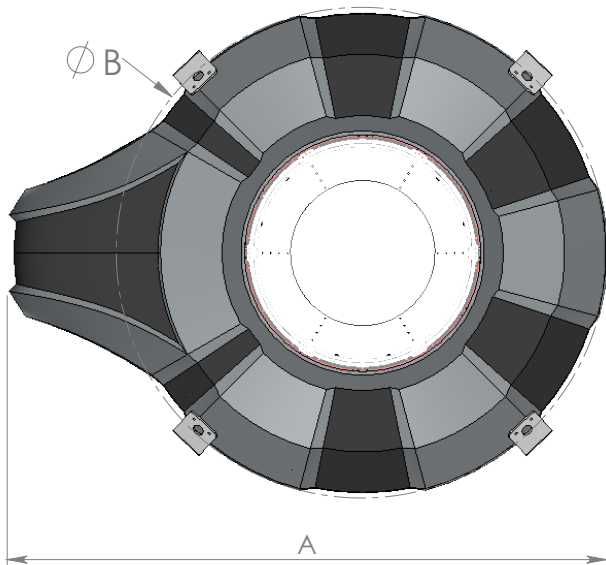
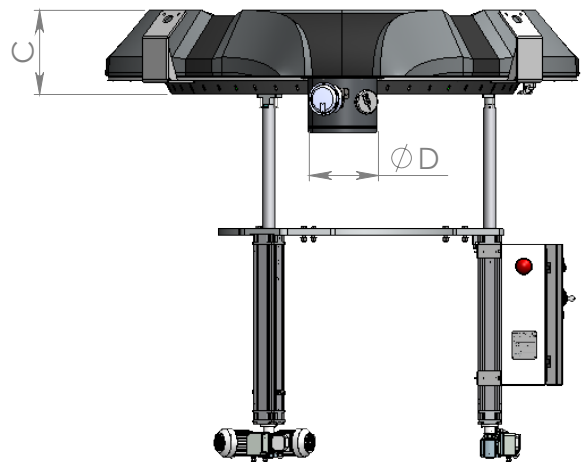
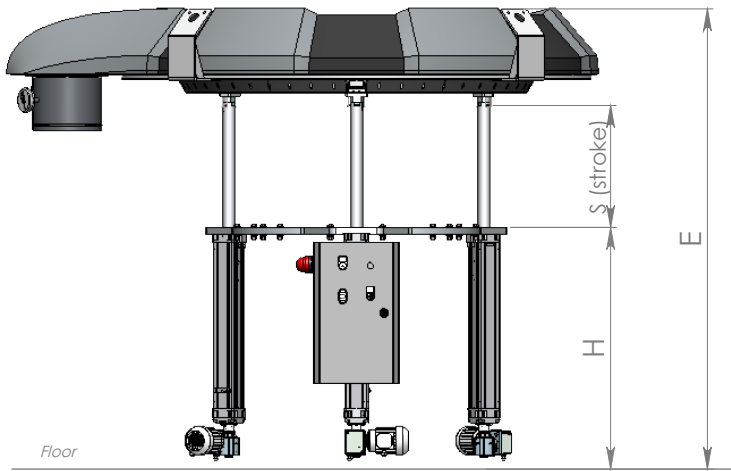
WIDE BUR RANGE

FLYER is suitable for large and small BUR thanks to its innovative and dedicated lip-set design.

EASY ACCESS FOR MAINTENANCE

FLYER has been designed to guarantee easy access for maintenance operations.

TECHNICAL DATA



	Y1	Y2	Y3	Y4
Ø A (mm)	1720	2150	2380	2880
Ø B (mm)	1470	1720	1965	2450
C (mm)	300	300	318	450
Ø D (mm)	200	250	300	350
S (mm)	25-450	25-450	25-450	25-450
E (mm)	~1600	~1600	~1600	~1600
F (mm)	~665	~940	~1140	~1460
Ø G (mm)	~1335	~1620	~1820	~2140
H (mm)	875	875	875	875
Ø L (mm)	250	250	250	250
Ø M (mm)	300	520	700	1100

	Y1	Y2	Y3	Y4
Die Range (mm)	60÷250	200÷500	450÷650	650÷850
Points Control	32	48	60	88
Heater	64	96	120	176
Power kW	16	23.5	29	42
Weight Kg/h	~370	~510	~672	~1015