

**Computer Servo Motor Control High
Speed 2 Layer / 3 Layer Co-extrusion
Inflation Machine With 360° Oscillating
Haul-off Device**



AM-55/65/55LT-ABC AM-65/75/65LT-ABC AM-65/85/65LT-ABC

MECHANISM OF OSCILLATING HAUL-OFF DEVICE

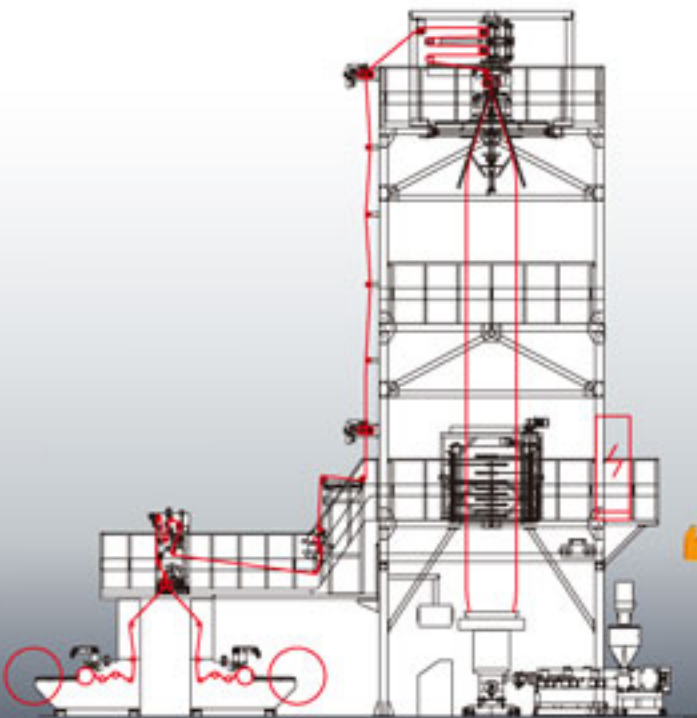
To maintain rotating stability, this device is assembled with heavy-duty bearings to support the entire transmitting system. Special surface treatment is applied on all idlers to enhance the production quality (to avoid dragging).



360° OSCILLATING HAUL-OFF DEVICE

This device is designed to oscillate 360 degrees (horizontally) and distributes the thickness variations across the entire roll surface. Its reinforced structure design is able to maintain its rotating stability. In addition, the oscillating speed is controlled by inverter so the operator is able to adjust the speed according to his job.

FILM DRAGGING ILLUSTRATION FOR LT-ABC SERIES



AM-55/65/55LT-ABC

COMPUTER SERVO MOTOR CONTROL HIGH SPEED 2 LAYER/3 LAYER CO-EXTRUSION INFLATION MACHINE WITH 360° OSCILLATING HAUL-OFF DEVICE



3-LAYER CO-EXTRUDERS AND DIE HEAD

All extruders are driven by AC servo motors. It is able to maintain stable screw speed and ensure constant thickness in the machine direction. All the core components are special designed as follow:

1. Screws geometry with unique surface treatment to extend their life cycle.
2. Unique material used on die head.
3. Air flow path for I.B.C. system.

2 STATION WINDER WITH HIGH PLATFORM

The computer controlled fully automatic rewinder automatically cuts the film when it reaches the prescribed length. Next, a hydraulic arm unloads the film, making it ready to be moved to the next stage of production. An optional slitting unit can also be added on to the film rewinder.



INFLATION MACHINE GENERAL SYSTEM

A very special design of the air ring on this line blows an even volume of air at every point along the film. This creates an especially effective thickness control of the film, and improves ease of operation.



		AM-55/65/55LT-ABC-1500	AM-55/65/55LT-ABC-1800	AM-65/75/65LT-ABC-1800	AM-65/85/65LT-ABC-2300
FEATURE	Material to be Used	LDPE & LLDPE	LDPE & LLDPE	LDPE & LLDPE	LDPE & LLDPE
	Max. Layflat Width of Film (mm)	1400	1700	1700	2200
	Film Thickness (mm)	0.02~0.25	0.02~0.25	0.02~0.25	0.02~0.25
	Max. Extrusion Output (kg/hr)	320	320	400	450
	Driving Motor	50 hp AC servo motor x 2 100 hp AC servo motor x 1	50 hp AC servo motor x 2 100 hp AC servo motor x 1	100 hp AC servo motor x 2 125 hp AC servo motor x 1	100 hp AC servo motor x 2 150 hp AC servo motor x 1
EXTRUDER	Screw Dia. (mm)	Ø55 x 2, Ø65 x 1	Ø55 x 2, Ø65 x 1	Ø65 x 2, Ø75 x 1	Ø65 x 2, Ø85 x 1
	Screw L / D	30 / 1	30 / 1	30 / 1	30 / 1
	Screw Material	Bi-metallic	Bi-metallic	Bi-metallic	Bi-metallic
	Barrel Material	SACM-645 steel with nitrogen treatment			
	Total Barrel Cooling	1/2 hp x 9 pcs	1/2 hp x 9 pcs	1/2 hp x 10 pcs	1/2 hp x 12 pcs
	Dies Head (mm)	Ø300 / 350	Ø350 / 400	Ø350 / 400	Ø400 / 450
	Total Thermo Controller	19 points	19 points	22 points	22 points
	Air Blower	10 hp AC motor with inverter control	10 hp AC motor with inverter control	15 hp AC motor with inverter control	20 hp AC motor with inverter control
TAKE-UP UNIT	Take-up Type	Oscillating type	Oscillating type	Oscillating type	Oscillating type
	Take-up Roller (mm)	Ø165 x 1500 L	Ø215 x 1800 L	Ø215 x 1800 L	Ø215 x 2300 L
	Take-up Motor	1.8 kW AC servo motor	1.8 kW AC servo motor	1.8 kW AC servo motor	2.9 kW AC servo motor
	Take-up Speed (M/min)	10~100	10~100	10~100	10~100
	Bubble Cage	By electric control	By electric control	By electric control	By electric control
	Max. Height (m)	12.8 (approx.)	12.8 (approx.)	13.8 (approx.)	14.5 (approx.)
WINDING UNIT	Type	Single station surface winder with automatic roll changing operation			
	Film Width (mm)	1400	1700	1700	2200
	Reels Max. Diameter (mm)	Ø800	Ø800	Ø800	Ø800
	Winding Rubber Roller (mm)	Ø300 x 1500L	Ø300 x 1800L	Ø300 x 1800L	Ø300 x 2300L
	Winding Motor	1.8 kW AC servo motor	1.8 kW AC servo motor	1.8 kW AC servo motor	2.9 kW AC servo motor



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