








Application

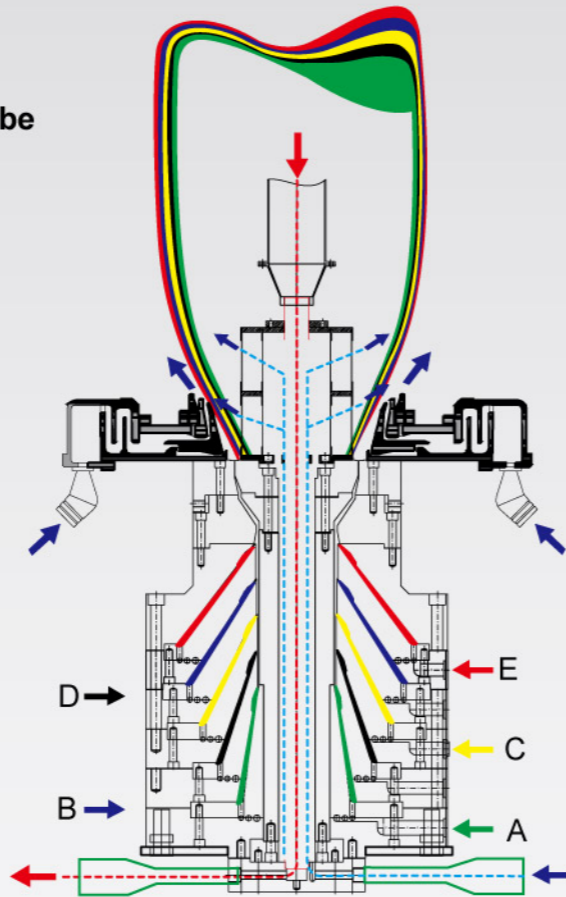
The multilayer film has become more and more prevalent in the packaging industry. The film could be used for below applications:

-  Food packaging
-  Soft drink pack
-  Thermo shrinkable film
-  Stretch Film
-  Vacuum bags
-  Laminating Film
-  Protection Film



Technical data

Used material	HDPE, LDPE, LLDPE, EVA, PP, PA
Screw diameter	25, 35, 45, 55, 65, 80mm extruder are selected depending on film application & structures
Film width	500-2300mm, depending on customer's demand
Gear box	Germany made Flender brand high quality gear box
Drive motor	By AC drive inverter control, directly connection with gear box, less power consumption
Die head	5 layers stack type die head with IBC system (equips with HMI touch screen control panel), Die size depending on film width
Air ring	High efficient dual lip air ring with inverter controlled cooling blower (Optional Air cooling type chiller & heat Exchanger are available)
Take-up unit	Horizontal type oscillating take-up unit or Vertical type rotary take up unit
Take-off unit	AC torque motor, with Edge position control system which ensure the edge of film reel straight
Winder	Standard type SM type mechanical manual back to back winder, with auto Tension control system (Optional SA type semi automatic & FA type fully automatic winder are available)



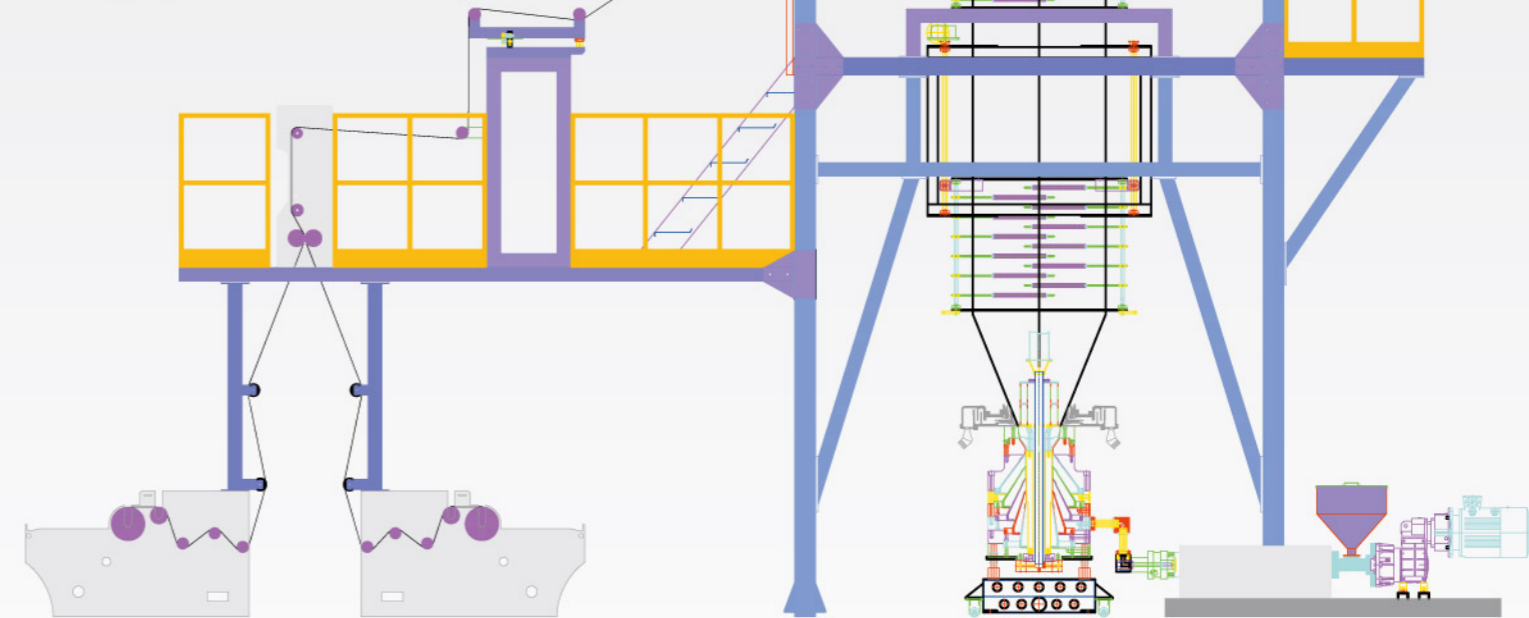
5 layer stack type die head + IBC Internal bubble cooling system + dual lip air ring



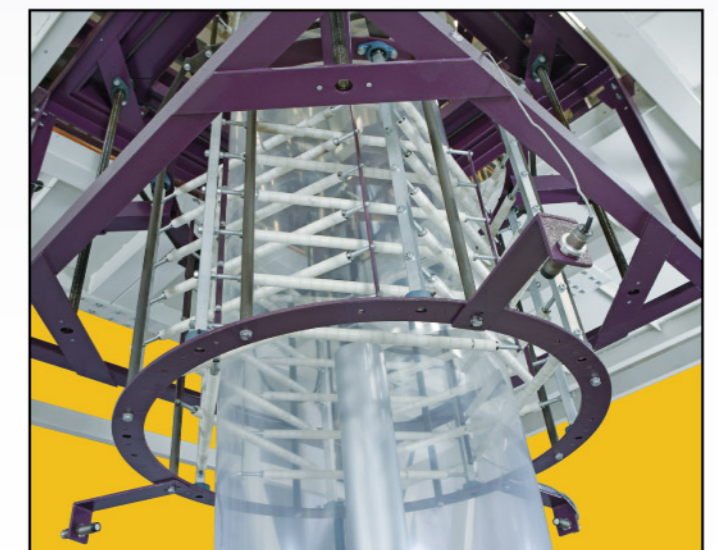
Horizontal type oscillating take-up unit (Pattern No. M285528)



Edge position control system



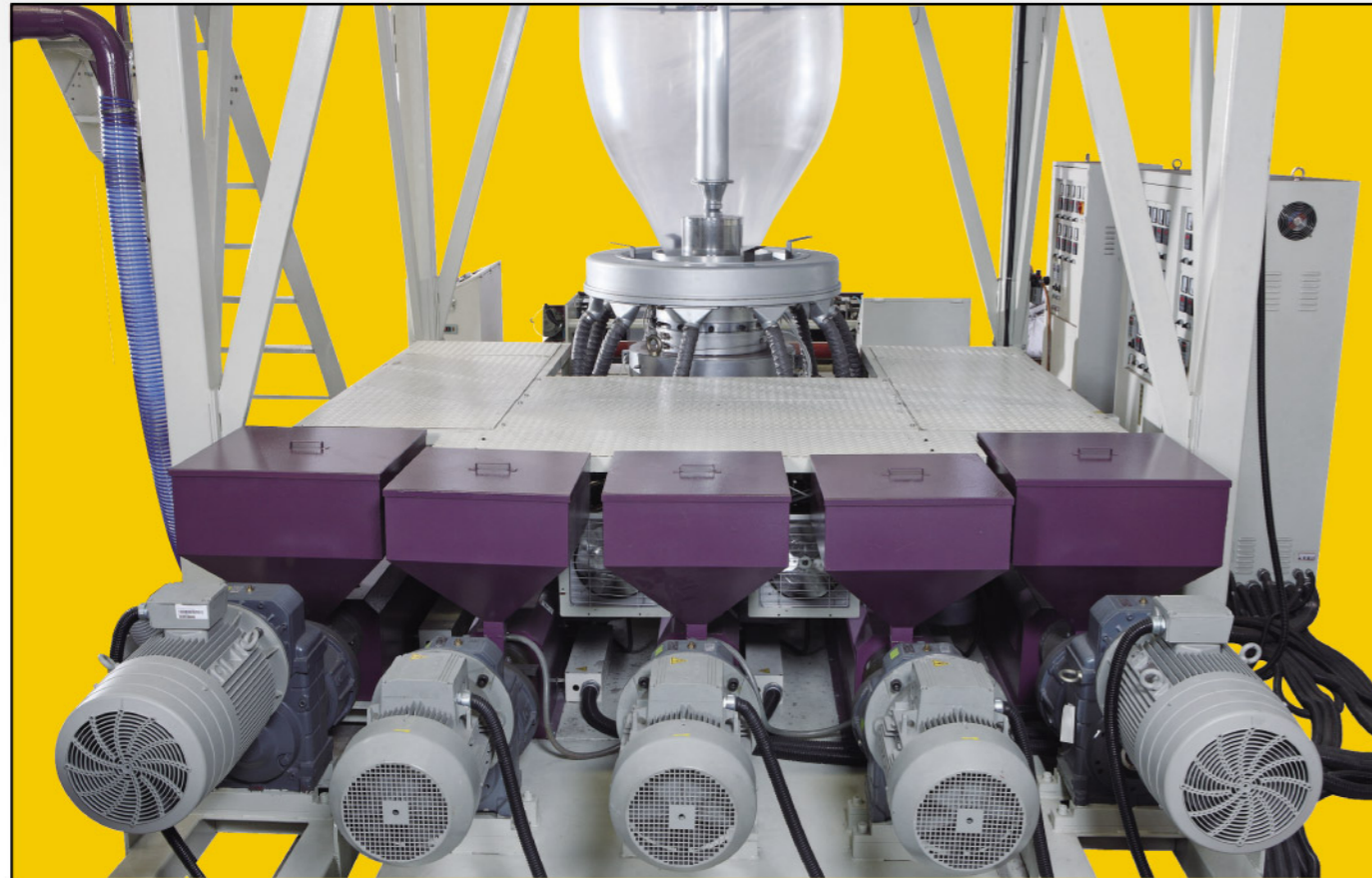
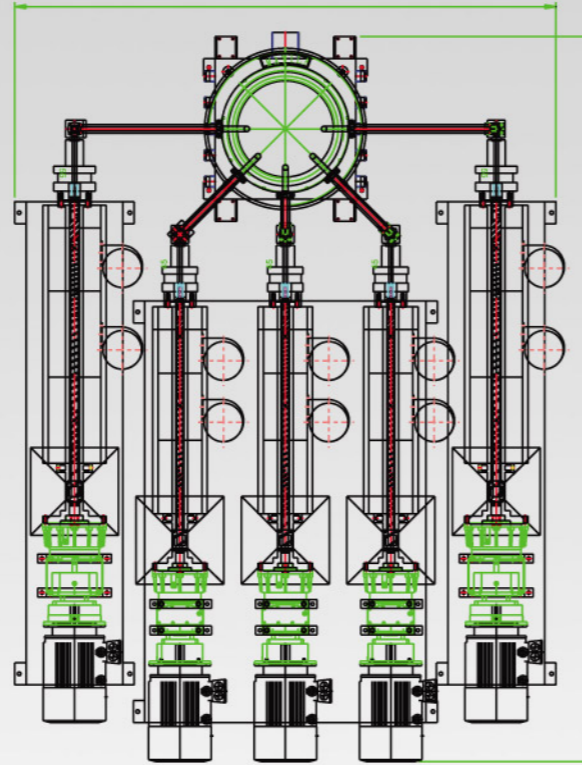
PLC Control SA Type Back to Back Winder (with optional E.P.C., hot slitting knife, auto tension control, corona & air shaft)



Adjustable Stabilizer by Electrical driving motor control

One of the configurations that
Matila can propose is :

- 2 x 55mm extruder , L/D = 30
3 x 45mm extruder , L/D = 30
- 5 layer stack type coextrusion die with a diameter
300mm complete with an IBC system
- The line has production capacity of 120– 200 kg/hr,
rate is depending on material and film products.
- A 1500mm oscillating take-off unit
- SA type Back to back winder



Optional device:

GRAVIMETRIC DOSING SYSTEM / AUTOMATIC FILM THICKNESS CONTROL SYSTEM / WEB WIDTH MEASUREMENT / AUTOMATIC WINDER / HOT SLITTING DEVICE / FILM SURFACE TREATMENT / AUTO LOADER / HOPPER DRYER / AIR SHAFT / TRIM WASTE INSTANT RECYCLING SYSTEM



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**LAYER COEXTRUSION
BLOWN FILM LINE**

MATILA

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