

Extrusion lines for
plastic foil & sheet

PLASTICSHEET

 CIRCULAR
PACKAGING

AGRIPAK
Plastic Processing Machinery

ONE EXTRUSION LINE: MANY FIELDS OF APPLICATION

MAIN CHARACTERISTICS OF SOLID PLASTIC SHEETS which determine the diffusion of this material in dozens fields of applications:

- High transparency for packaging applications
- Excellent processability for building and furniture applications
- High impact strength
- Lightweight, rigid & durable
- Not affected by chemical agents & mineral oils
- Water resistant & fire retardant
- UV resistant
- Low T° conductivity
- Corona treated grades for ink adhesion



EXAMPLES OF APPLICATIONS



PACKAGING



APPLIANCES



AUTOMOTIVE



BUILDING



FURNISHINGS



HOUSEWARES

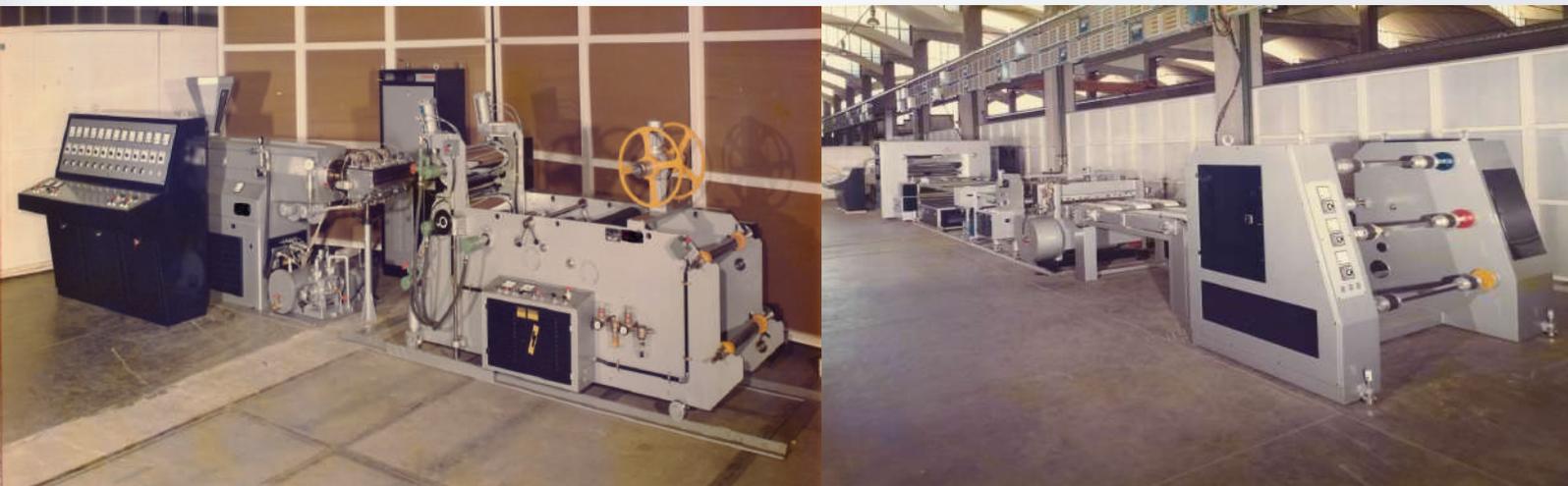


SANITARY



STATIONERY

Since 1953, our technicians were pioneers in the engineering, design and construction of the firsts flat film extrusion lines.

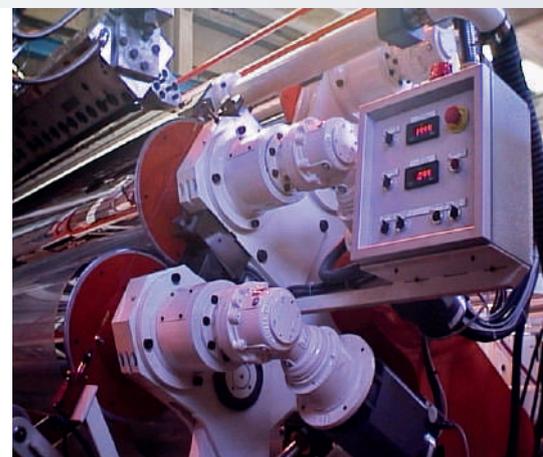
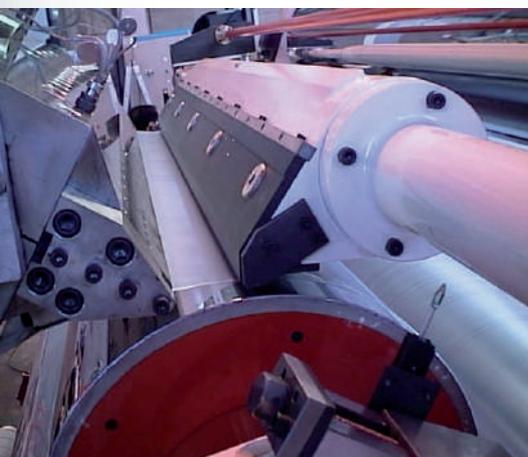


From this longlasting experience in the extrusion field, AGRIPAK has been able to realize the widest choice of extrusion and co-extrusion lines configurations, dimensions and options.

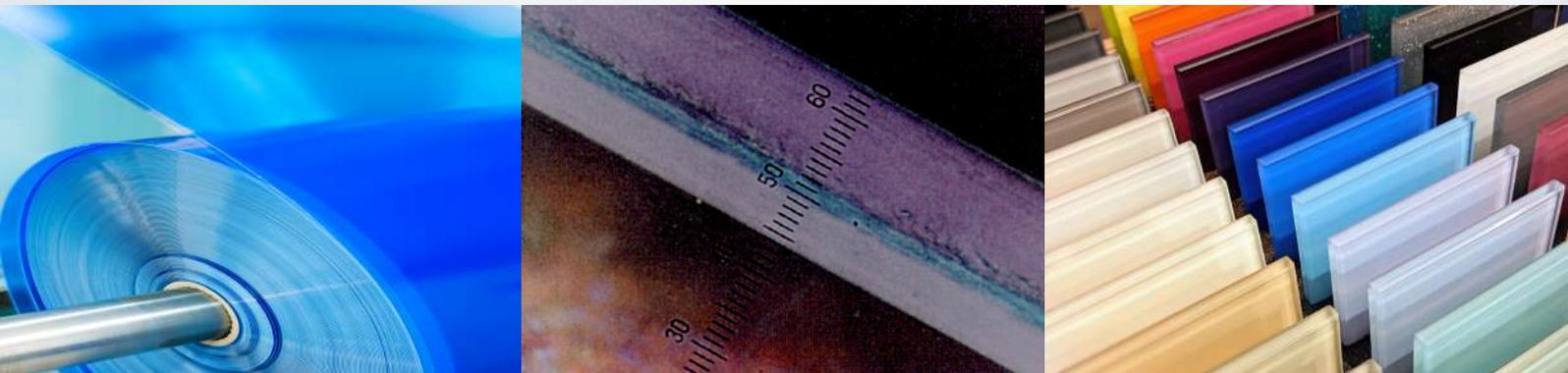
The PLASTICSHEET series extrusion plants are designed to process film & solid sheets of PP, EPP (Expanded PP), HDPE, PET, CPET, PETG, PC, PA, EVOH, PS, EPS (Expanded PS), ABS, PMMA, K.RESYN, STYRLUX, PVC & PLA mono-layer or multi-layers, via Tdies & co-extrusion feedblock, with manual or automatic adjustment.

Our extruders are reliable, energy-efficient and have excellent plastification features. Screws profiles & designs are optimized for different resins.

The possibility of screw removal from backside results extremely advantageous, especially in the case of most complicated co-extrusions.

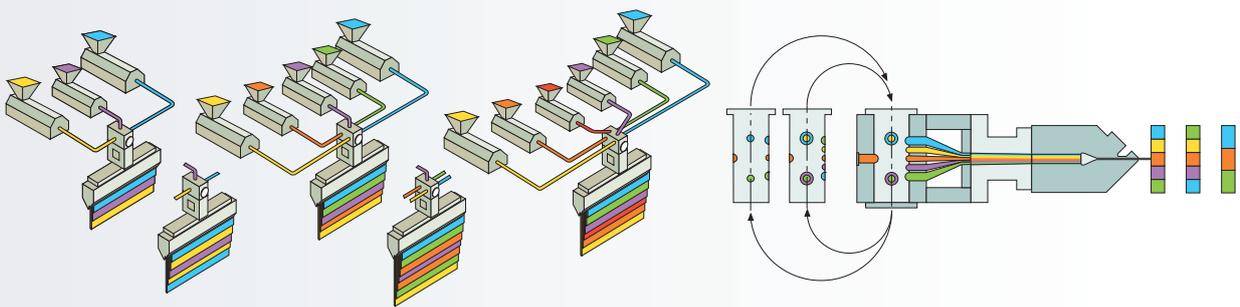


The combination of Cast and Roll-stack technologies allows us to cover Foil production thicknesses ranging from 80 to 2000 micron, using the same extrusion plant; by changing the only Tdie and with a guillotine at the end of the extrusion process, our Sheet extrusion plants can reach up to 30mm thickness, mono & multi-layer.



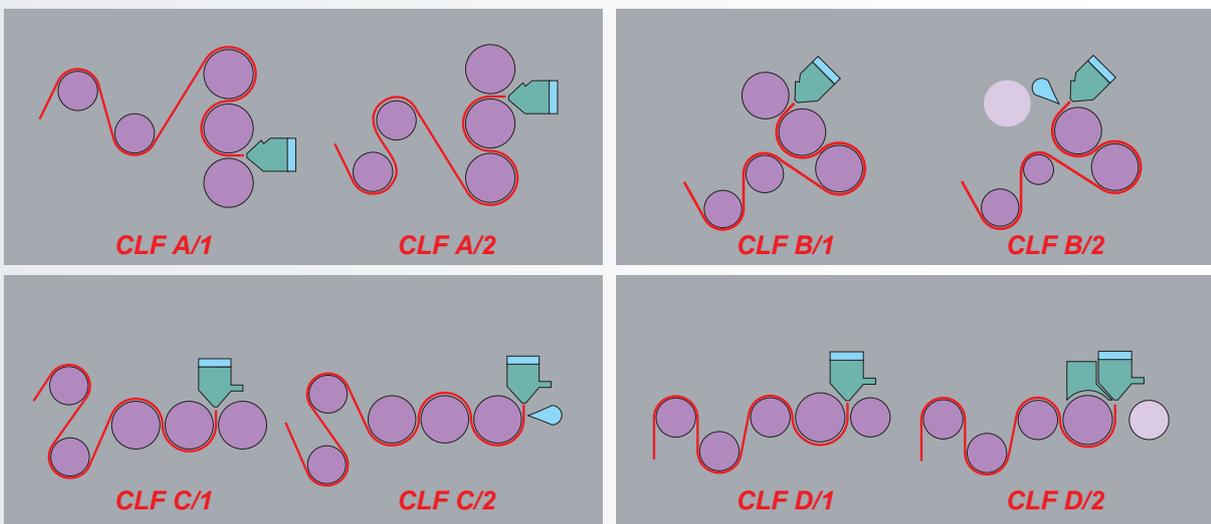
The new feedback design engineered by AGRIPAK has a modular design that allows:

1. a very fast and easy modification of the co-extruded layers sequence and percentages with low downtime and high production flexibility.
2. to process the widest range of resins in co-extruded structures up to 11 layers.

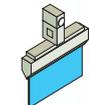


We engineer and design our extrusion dies with the most advanced and reliable techniques of simulation of polymers rheology.

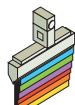
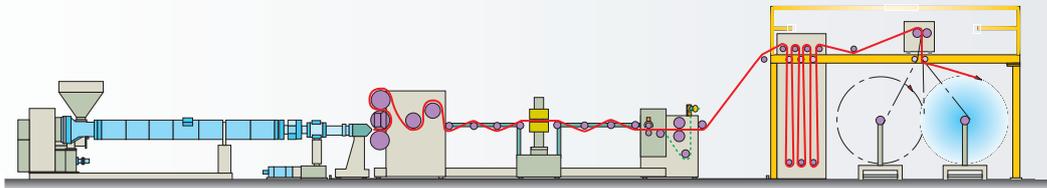
Our calenders are available in all the possible configuration: with vertical rolls, horizontal rolls or angled polishing rolls:



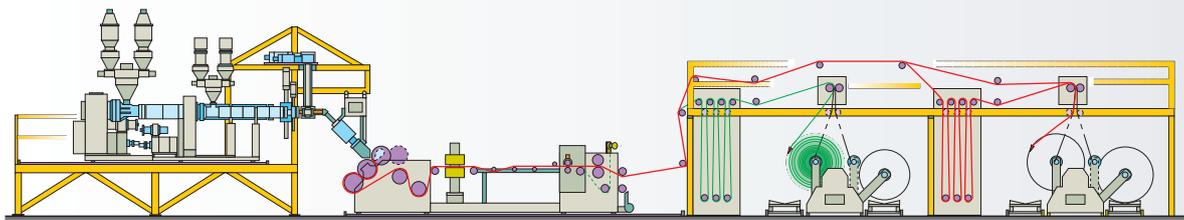
PLASTICSHEET



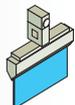
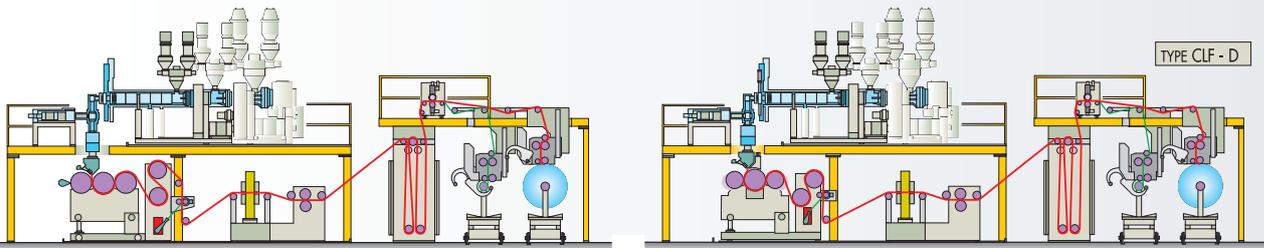
TYPE CLF - A



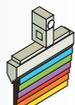
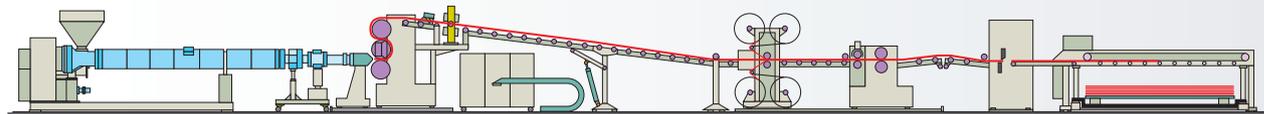
TYPE CLF - B



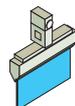
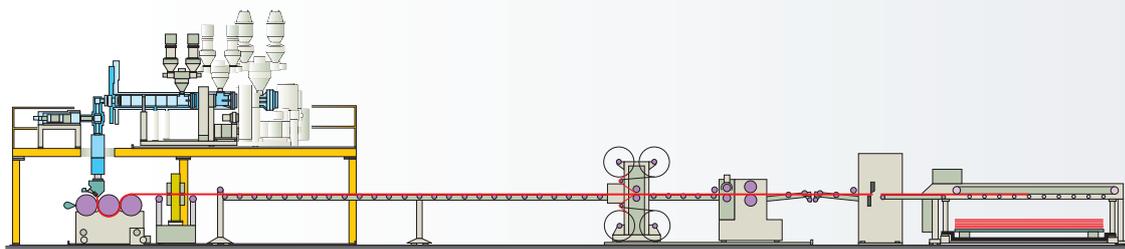
TYPE CLF - C



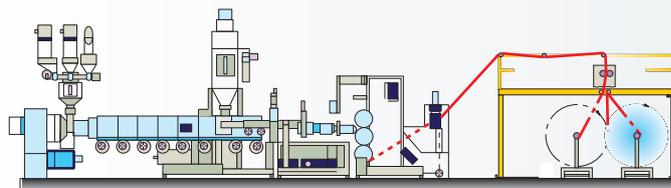
TYPE CLL - A



TYPE CLL - B



TYPE CPT - A



To complete our wide range of sheet extrusion equipment, we recently developed our COMPACT series: a family of extrusion lines for thermoforming sheet production expressly conceived to achieve fully satisfactory performances both in-line (extrusion+thermoforming) and offline to meet the exigences of the thermoforming oriented factories.

Thanks to its particular design our extrusion lines COMPACT type, can steadily assure over time:

- Line reliability
- Easy operation
- Guarantee of constant sheet quality
- Zero breakdown and maintenance activities reduction.

COMPACT serie
THERMOFORMING SHEET EXTRUSION LINE



Our COMPACT exp series is another specially designed extrusion lines family for the production of EPP & EPS Sheets, by a successful mixing-recipe of standard PP/PS with Chemical Blowing Agents (CBA). This family of extrusion lines is expressly studied to grant a perfect and homogeneous foaming of the PP & PS along the complete width of the sheet.

Our Expanded PP (EPP) and Expanded PS (EPS) produced sheets are characterized by:

- Improved impact strength
- Higher energy absorption
- Excellent chemical resistance
- Low thermal conductivity (food packaging applications)
- Easy sealing.

COMPACT^{exp} serie
FOAMED SHEET FOR THERMOFORMING



Our PLASTICSHEET & COMPACT series are equipped with the SIEMENS CPU series 1500 and the whole production process is supervised through a touch operator panel managed by the software developed by AGRIPAK technicians on a SIEMENS TIA PORTAL platform.

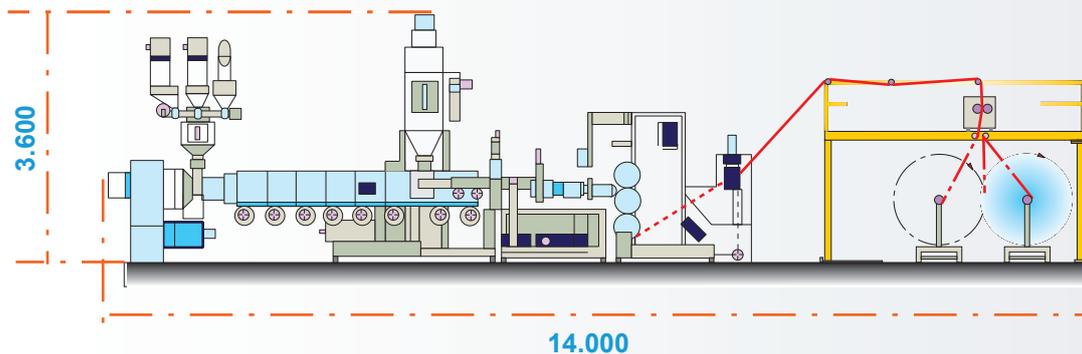
Furthermore all our extrusion lines are also equipped with an industrial router that provides complete remote access to the PLC's process data: allowing our technicians to perform remote assistance and to our equipment to interface (by our BI-BOX technology) with the process datas, with the interesting possibility of sharing & integrating the same datas with the most common management softwares.

COMPACT serie

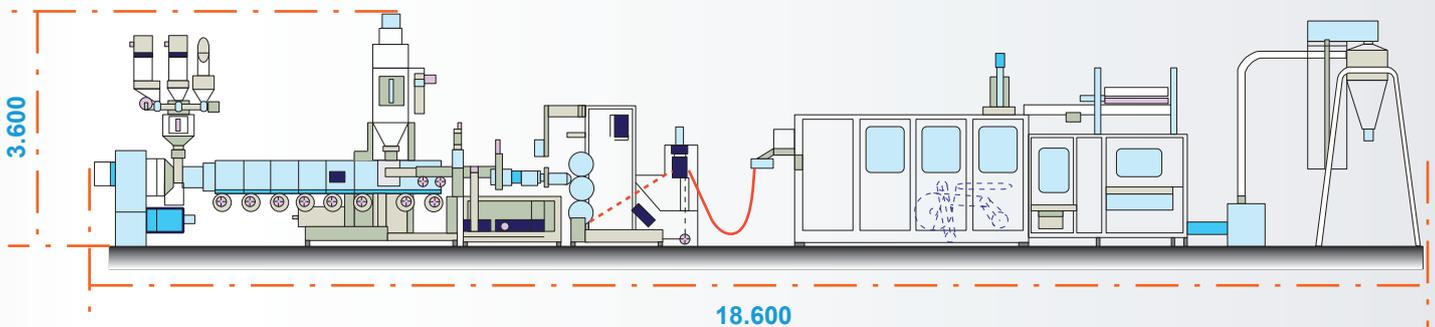
THERMOFORMING SHEET EXTRUSION LINE

	COMPACT 800	COMPACT 1000	COMPACT 1200
>Calandra / Calender - dimensione rulli (mm) / rolls dimension (mm)	800 x \varnothing 350	1000 x \varnothing 350	1200 x \varnothing 350
- dimensione 2 rulli raffreddo opzionali (mm) / 2 optional cooling rolls dimension (mm)	800 x \varnothing 250	1000 x \varnothing 250	1200 x \varnothing 250
>Avvolgitore / Winder - 2 posizioni, max. diam. bobina (mm) / 2 positions, max. bobbin diam. (mm)	1000	1000	1000
>Spessore / Thickness - spessore foglia (mm) / sheet thickness (mm)	0.2 - 2.2	0.2 - 2.2	0.2 - 2.2
- spessore foglia espansa (mm) / expanded sheet thickness (mm)	0.8 - 3	0.8 - 3	0.8 - 3

estrusione "fuori-linea" / "stand-alone" extrusion



estrusione "in-linea" / "in-line" extrusion



PLASTICSHEET



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