For more than 50 years, we have been designing and manufacturing complete lines for extrusion and coextrusion of thermoplastic materials. Our values are, and have always been:

• Inhouse design and construction of all the most critical parts of the line
• Use of high quality raw materials and components (mechanical, electrical and electronic)
• Close partnership with our customers, for development of new products and solutions
• Rapid and competent after-sales assistance, with remote diagnosis.

Choose know-how, synonymous with quality of investment. Choose Omipa.

OMIPA S.p.A. - Via Maddalena 7 21040 Morazzone (Va) Italy

tel. +39 0332.461400
Fax +39 0332.873026
omipa@omipa.it
www.omipa.it

50 YEARS AT THE TOP OF THE EXTRUSION TECHNOLOGY
APPLICATIONS PASSING ALL BOUNDS. CREATIVITY WITH NO LIMITS

Sheet & foil

EXTRUSION LINES FOR THE MANUFACTURE OF CLEAR SHEET AND FOIL OF HIGH OPTICAL QUALITY

Light. Strong and at the same time flexible. Satin-finish or smooth, solid and soft. Easy to clean. Suitable for all of design and industrial production. It is a high thermal insulation capacity and high mechanical strength material, which ensures resistance in the most severe climatic conditions. It can also be used for all applications requiring high optical quality, such as windows, solar panels, furniture and many other purposes. It is a material that has been developed in the most innovative and advanced technologies, ensuring high optical quality sheets and foils with a guaranteed performance.

EXTRUSION LINES FOR CLEAR SHEET AND FOIL OF HIGH OPTICAL QUALITY

Innovative design, high performance extrusion and coextrusion technology. High optical quality, high thermal insulation capacity, high mechanical strength and fireproof capacity. High precision production and quality assurance. High transparency and superior light transmission factor.

Sheet & foil

When produced with an extrusion line from Omipa, they have an even greater value: all the experience, expertise and passion of a company that has earned its leadership in the market through quality with no compromise.

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Light. Strong and at the same time flexible. Comfortable in use, cool and mild. Easy to clean. Flexible in use and design and adaptation to the needs of the customer. A high thermal insulation capacity and high mechanical strength. A transparency at 100% that allows enjoying all the best of the sun and the light in a safe way.

But sheet & foil is also resistant and flexible:
- Resistant to environmental stresses and cyclic changes of temperature since it is made of a material that does not lose its characteristics with time
- Close to the skin, due to its softness and its resistance to the passage of time and to high and low temperatures
- Close relationship with our customers, for development of new products and solutions
- Close contact and contracted by the end customer

Sheet & foil is a reference point for the world of windows, with quality at the top. - Claudio Delphi
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DOSING UNIT
Extruder feeding is accomplished through a high precision gravimetric dosing system for an accurate mixing.

CALENDER
In different configurations, their robust construction guarantees constant product tolerances with high precision. Closure of the rolls is strong and precise thanks to an oleodynamic unit. Motion transmission is steady and uniform. And the rolls have an excellent thermal exchange.

DIE
The dies designed by Omipa guarantee a perfect and optimized flow distribution across the die width.

COEXTRUSION
We adopt co-extrusion for UV protection layers or other materials, for different applications. Co-extrusion is applied in different thickness ranges and can be one side or both sides.

FILTER AND PUMP
The filter changer and the OMP series melt pump are all designed for good plasticization, even at high output rates.

ROLL PLANE
Downstream of the calender, the sheet/foil is conveyed onto a roll plane, with thermostatically regulated rolls, whose speed is synchronized with the line.

STACKING UNIT
The sheet is conveyed onto a stacker with unilateral or bilateral configuration with the possibility of automatic pallet discharge. The foil can be stacked or wound on reels. Different solutions, aimed at maximizing time savings and respecting the integrity of the product.

CROSS CUTTING UNIT
The cross cut is accomplished through the use of a variable speed cross-cutting unit. High precision and cleanliness of cut will allow to eliminate rejects due to inaccuracy.

TRIMMING UNIT
The sheet edges are trimmed and the sheet is cut into stripes in different widths by a circular saw trimming unit with 2 or more saws.

FILM COUPLING UNIT
Internal sheet stress is relieved, the sheet is then cooled and, after being extracted by a take-off unit, a film in PE is applied by a coupling unit, to protect the upper and lower sheet surface.

For more than 40 years we have been designing and manufacturing complete extrusion and coextrusion lines for the production of clear sheet and foil in PC, PMMA, PETG, PET, GPPS, SAN, etc. Now we are a world leader, with more than 150 complete extrusion lines delivered by Omipa all over the world.

Our strength points:
• constant technological upgrade of all the machine details, thanks to our design and manufacturing capabilities as producers of the entire extrusion line
• development of an advanced technology for optimization of the extrusion process, resulting in an extremely constant product
• complete automation of the extrusion line, with consequent reduction in maintenance and processing costs
• high flexibility of the lines, suitable for producing a wide range of materials and thicknesses, using sheet extruders in one or two steps or producing quality sheet extruders, can offer the necessary combinations and customized solutions

PROCESSING. A COMBINATION OF WINNING FACTORS.
AN ASSURED RESULT: QUALITY AND EFFICIENCY

MATERIALS

<table>
<thead>
<tr>
<th>MATERIALS</th>
<th>PC, PMMA, PETG, PET, GPPS, SAN, etc.</th>
</tr>
</thead>
</table>

THICKNESS RANGE

<table>
<thead>
<tr>
<th>RANGE</th>
<th>FROM 0.3 TO 25 MM</th>
</tr>
</thead>
</table>

USEFUL WIDTH

<table>
<thead>
<tr>
<th>RANGE</th>
<th>FROM 800 TO 2500 MM</th>
</tr>
</thead>
</table>

OUTPUT CAPACITY

<table>
<thead>
<tr>
<th>RANGE</th>
<th>UP TO 1800 KG/H</th>
</tr>
</thead>
</table>

CONFIGURATION

<table>
<thead>
<tr>
<th>RANGE</th>
<th>MONOLAYER, COEXTRUDED UP TO 3 - 5 LAYERS</th>
</tr>
</thead>
</table>

APPLICATIONS

<table>
<thead>
<tr>
<th>RANGE</th>
<th>DISPLAYS, LIGHTING, GRAPHICS, ADVERTISING, BUILDING CONSTRUCTION, SAFETY BARRIERS / PROTECTIONS, INTERIOR DESIGN AND FURNITURE, ETC.</th>
</tr>
</thead>
</table>

MAIN FEATURES OF THE LINES:

- CROSS MOUNTING UNIT: Thanks to a modular and modular with a complete set of winning factors and a complete set of variables.
- INTERNAL SHEET STRESS: Thanks to a modular and modular with a complete set of winning factors and a complete set of variables.
- SHEET COUPLING: Thanks to a modular and modular with a complete set of winning factors and a complete set of variables.
- SHEET TRIMMING: Thanks to a modular and modular with a complete set of winning factors and a complete set of variables.
- CROSS CUTTING UNIT: Thanks to a modular and modular with a complete set of winning factors and a complete set of variables.
- ROLL PLANE: Thanks to a modular and modular with a complete set of winning factors and a complete set of variables.
- STACKING UNIT: Thanks to a modular and modular with a complete set of winning factors and a complete set of variables.
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Light. Strong and at the same time flexible. Material in such a way, solid and well, easy to process. Sensible in all of its forms and shapes.

A high thermal insulation capacity and high resistance to the bad weather elements. A high technical performance in all the aspects, high quality materials and components. Studies and tests for the best possible results. The line is the result of a design that ensures its reliability and quality of the final product. Omipa - the result of experience, research and passion of a company that has earned its leadership in the market through high quality and no compromise.

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