PC panels are an extremely flexible instru-
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colours, all this makes hollow profiles in PC
and PMMA – HIPMMA an unequalled and
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Omipa extrusion lines, 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.

Just one comment: many applications produ-
ced with our lines were installed more than
twenty years ago. Who said nothing lasts?

APPLICATIONS PASSING ALL BOUNDS.
CREATIVITY WITH NO LIMITS

EXTRAUSION LINES FOR THE MANUFACTURE
OF HOLLOW PROFILES OF POLYCARBONATE

For more than 50 years, we have been desi-
gning and manufacturing complete lines for
extrusion and coextrusion of thermoplastic
materials.

Our values are, and have always been:
• in
house
design
and
construction
of
all
the
most
critical
parts
of
the
line
• use
of
high
quality
raw
materials
and
components (mechanical, electrical and elec-
tronic)
• 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
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DOSING UNIT
Extruder feeding is accomplished by a gravimetric or volumetric system with more components.

DIE
The new generation of dies for hollow profiles ensure distribution optimization in every width, without any adjustment requirement. TPPC dies are designed to self-adjust upon variation of output capacities/widths. For PC, Omipa offers a complete range of profiles from 2 to 10 walls in thickness up to 40-50 mm in different geometries.

COEXTRUSION
For the production of PC profile with UV protection layers for outdoor applications, Omipa has developed an exclusive technology guaranteeing a saving of up to 30% of UV material compared to traditional systems.

FILTER AND PUMP
Filtering through oleodynamic filter changers or continuous flow filter changers; the OMP series melt pump: these are all components designed by Omipa to guarantee constant mixing at high output rates.

STACKING UNIT
Omipa offers a wide range of solutions for stacking the finished product on pallet, meeting every stacking requirement. For instance, we have developed a new in-line taping and final packing system.

CROSS CUTTING UNIT
The cross cut is accomplished through the use of a cutting group with synchronized motorized trolley with hot knife. High precision and cleanliness of cut will allow to eliminate rejects due to inaccuracy.

TRIMMING UNIT
AND FILM MASKING UNIT
The profile can be trimmed and a PE protection film applied in line on both sheet sides.

TAKE-OFF UNIT
After the calibration phase, the profiles enter a take-off unit, equipped with mechanical gap adjustment, to avoid profile deformation, and then a special conditioning unit, aimed at eliminating internal tensions in the profile, thereby guaranteeing planarity.

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

EXTRUSION
The OM series extruder, with or without venting, whose barrel has a special wear-resistant coating.

MATERIALS
PC, UV-PC, PMMA

THICKNESS RANGE
From 4 mm (lightweight) to 50 mm and more

PRODUCT GEOMETRY
From 2 to 13 walls and more

USEFUL WIDTH
From 600 to 2100 mm

OUTPUT CAPACITY
Up to 900 kg/h

CONFIGURATION
Monolayer, 2-layer and 3-layer coextrusion

APPLICATIONS
Building construction, coverings for major infrastructures, agricultural applications (greenhouses), roofing and lighting, wall panels for interior design applications; solar applications

MAIN FEATURES OF THE LINES:

40 years ago we were the first to develop an extrusion line for the extrusion of PC hollow profiles, in close partnership with our customers, based on the experience built up in the PP hollow profile field.

Now we are a world leader, with more than 150 complete extrusion lines delivered by us all over the world.

Our strong points:

- constant technological update and development
- patented calibrator systems with air cushion and floating plate
- continuous running, allowing for the line to run of new products without stopping
- a wide range of profiles: rafter gables, wall gables, roof profiles, various profiles, thermoplastic profiles, among others

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STAPLING UNIT
Omipa offers a wide range of solutions for stapling the finished product on pallet, meeting every stapling requirement. For instance, we have developed a new in-line taping and final packing system.

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