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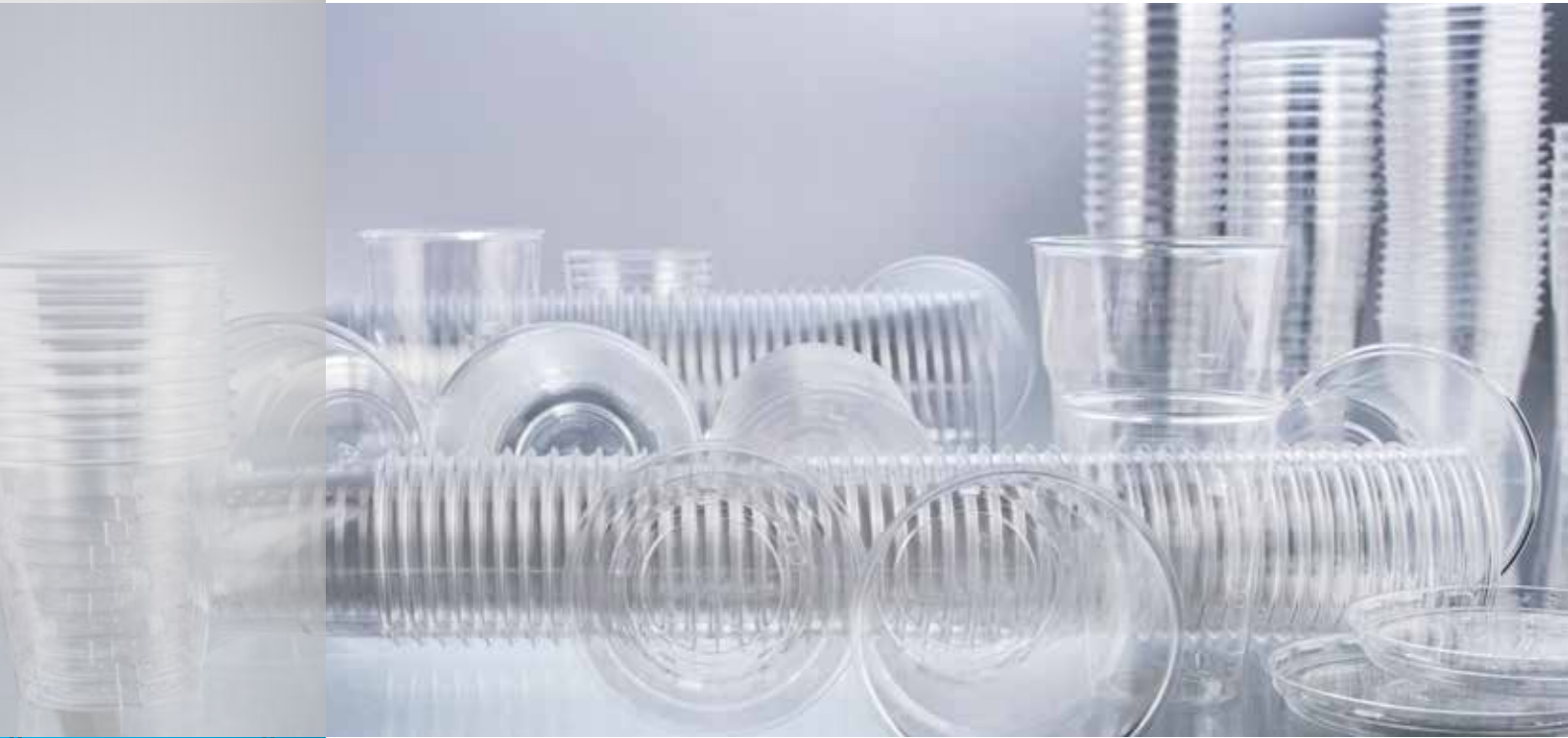
# We do it all on high level



Production range of  
thermoforming machines, moulds  
extrusion lines and in-line systems

 polytype  
OMV

# Process know how and experience in entire cup production



OMV is a unique company, of one source Thermoforming Technology around the world. Just one supplier for all your needs: Extrusion, Thermoforming, Moulds, Automation and „Turn-key“ In-line Systems.

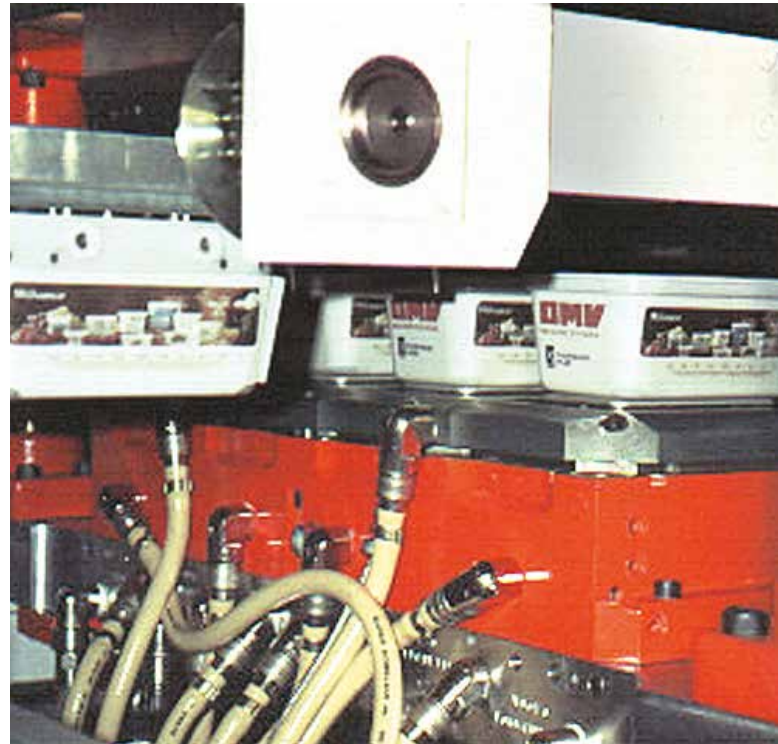
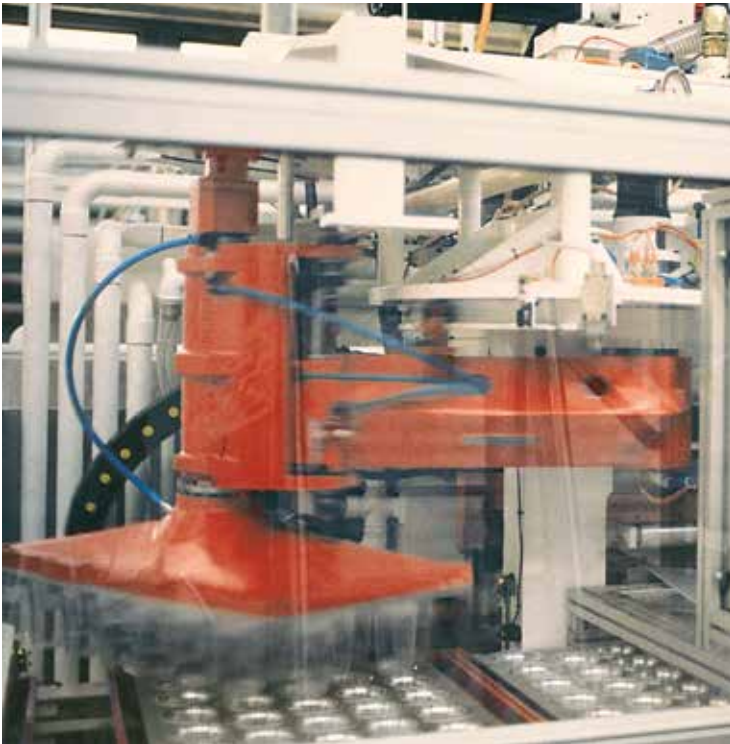
The advantage: no need to research for solutions as we do the research for you. Optimum use of components involved since we do it all.

As a “Turn Key” System we make the acceptance trial and training for your approval in our facility prior to shipment. This reduces the installation time in your plant and gives you comfort of reliability.

We provide state of the art mould technology and after sales and service extending the relationship well beyond the delivery date. We do not only supply equipment but also the technology needed to successfully use it: from an idea to the final product.

This is the reason why OMV always keeps an “Open House” for our customers sharing new ideas, so you can take advantage of our experience and expertise. Our goal is to achieve total customer satisfaction.

- // One supplier for all your needs in cup production
- // Turn Key Systems and Stand Alone Machines
- // Know how of the entire production process
- // Consulting, engineering and after sales services
- // A wide range of thermoforming equipment and moulds



Active R&D has resulted in OMV holding 26 primary international patents. Below we have highlighted the most outstanding:

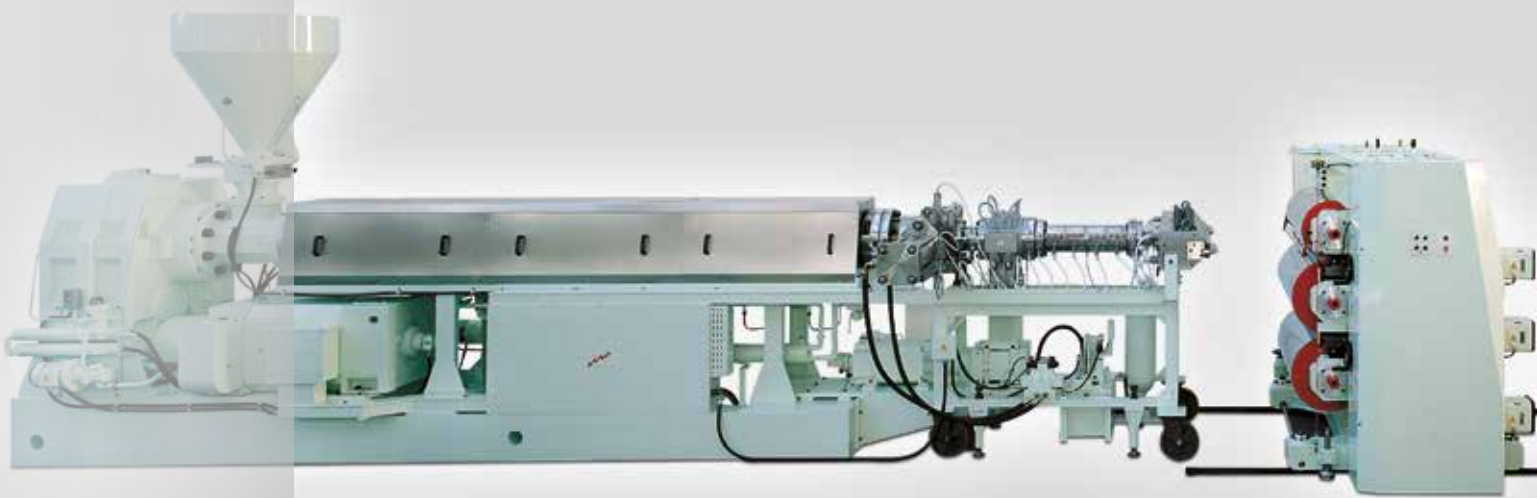
- // 1978: Thermoforming using "Shuttle-Mould" Technology designed for material with long stabilization time (ie PP)
- // 1983: "Vacuum Plate" for parts removal from mould
- // 1992: Automatic parts handling with transport conveyor for secondary operation such as "hole punching" and/or "rim rolling" (E74 & E76)
- // 1993: In-line rim rolling, by coining for PP.
- // 1996: Thermoformed In-Mould-Label Technology
- // 1996: "New" guided vacuum plate for product transfer
- // 2001: Procedure and mechanism for trimming formed product
- // 2004: Tamper evident (T/E) container/lid feature
- // 2013: Revolving mold forming system

We continue to develop process and equipment technology, especially for Polypropylene, where we consider OMV to be the world leader today.



# A wide range of thermoforming equipment and moulds

Our wide range of thermoforming equipment and moulds can meet requirements of production rates from 10,000 up to 150,000 cups/hour (depending on the size of the cups) and have the flexibility to produce high quality products from containers to lids, cups to trays with versatility for different materials and designs. All OMV Systems have automatic handling of finished products for minimum labor cost and for maximum hygienics.



Our OMV sheet extrusion lines for PP-HIPS-ABS-HDPE and APET include sizes from 45 mm up to 170 mm diameter barrel and screw size. In house design calendar unit assures optimized sheet conditioning customized for the application. Sheet thickness for continuous thermoforming and sheet reels from 0.12 mm up to 3 mm. Extrusion of plates (cut sheet) from 2 mm up to 8 mm with automatic handling. Taking advantage of our nearby customers, we benefit from direct "Hands On" trouble shooting experience in the production environment.

Co-extruder systems for multi layer co-extrusion of barrier structures are also available as standard. Through One Source OMV can supply a complete turn-key system with optional bagger, chiller for mould temperature control, granulator for recycling of scrap with automatic metering and mixing of virgin/scrap ratio. Maximum capacity, using polypropylene is 1.600 kg (3.550 lbs) of finished products per hour, using polystyrene is 2.100 kg (4.660 lbs) of finished products per hour.

## **Extrusion**

Extrusion system  
for In-Line and  
Off-Line solutions



With more than forty years experience in the Extrusion/Thermoforming market you can measure our knowledge by success. Since our foundation we have developed and introduced more than 30 different types of models of thermoforming systems from the first F80 to our latest models F87, F37, F33 and F88.

Two internationally acknowledged and awarded developments are the "crystalline" Extrusion/Thermoforming In-line System for production of crystal styrene (GPS) cups and containers. Second is the Extrusion/Thermoforming In-line System for the production of high quality deep draw Homo Polymer Polypropylene containers.

## **In-Line**

Thermoforming  
In-Line Systems  
for PP & PS

**F86**

High production  
thermoformer for  
shallow products

**F87**

The ultimate large  
universal thermoformer  
Forming sizes: 850 x 650 mm

**F88**

The large platen universal thermoformer  
for shallow products  
Forming sizes: 1280 x 750 mm

**E76**

OMV international patent  
"shuttle mould" forming technology  
Forming sizes: 760 x 540 mm

**F37**

The medium large  
universal thermoformer  
Forming sizes: 780 x 420 mm

**F33**

The swift thermoformer for great many uses  
Forming sizes: 850 x 250 mm  
Multi rows staking device



### **F25/5**

The universal thermoformer  
Forming sizes: 850 x 250 mm  
Single rows stacking device



### **F25/5 IML**

The IML thermoformer for  
containers, cups and lids  
Forming sizes: 850 x 250 mm



### **The OMV Story**

In 1957 Pietro and Eros Padovani founded their first company for the production of thermoformed disposable containers. A few years later, in 1963, they founded OMV a factory for designing and building machines for plastic extrusion and thermoforming. In the early 70's, OMV exported its first thermoforming machine and produced the first in-line system; then, in the early 80's, it manufactured its first extrusion line.

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Gabrovo/Bulgaria

**AMERICA**

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Lincoln Park, NJ/USA

**ASIA**

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Chachoengsao/Thailand

Wifag-Polytype India  
Marketing Private Ltd.  
New Delhi/India