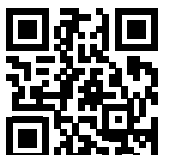


wifag//polytype group

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.

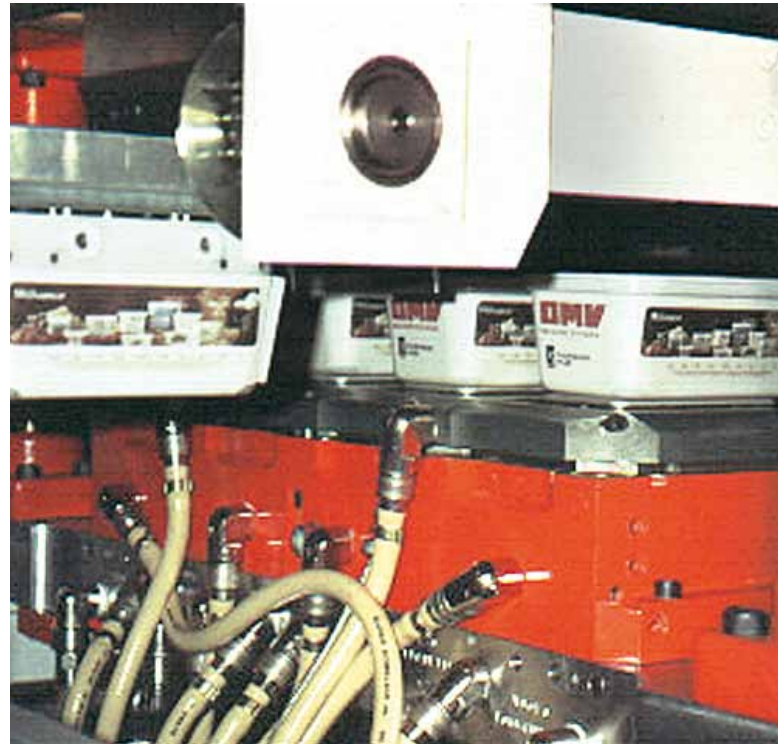
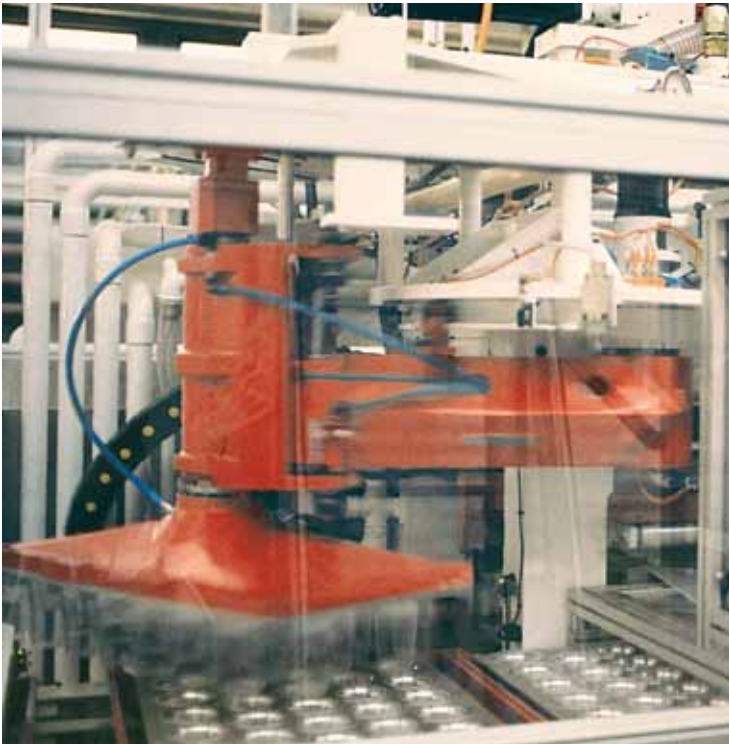
The advantage: no need to research for solutions as we do the research for you. Optimum use of components involved since we do it all.

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



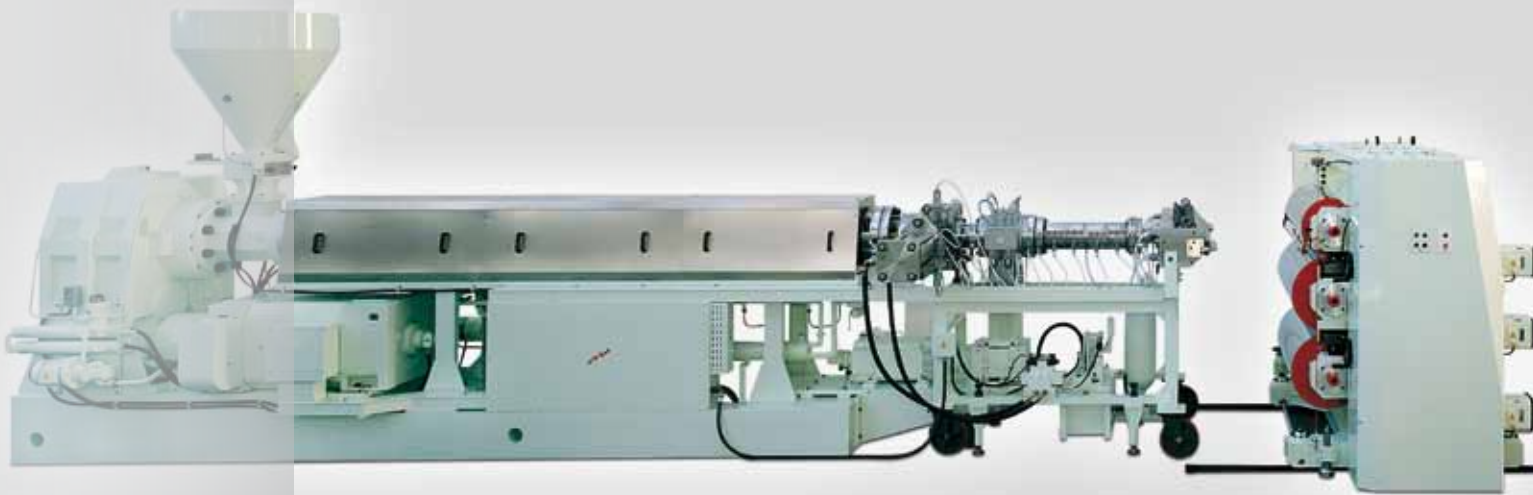
Active R&D has resulted in OMV holding 26 primary international patents. Below we have highlighted the most outstanding:

- // 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

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

**E76**

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

**F87**

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

F37

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

F88

The large platen universal thermoformer
for shallow products
Forming sizes: 1280 x 750 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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Pfinztal/Germany

Mall Herlan MB GmbH
Neuhausen ob Eck/Germany

WIFAG-Polytype GmbH
Hamburg/Germany

ITALY

Mall + Herlan Italia S.r.l.
Seriata (BG)/Italy

OMV Machinery srl
Verona/Italy

AMERICA

Polytype America Corp.
Mahwah, NJ/USA

ASIA

WIFAG-Polytype China Ltd.
Hong Kong/China

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

Polytype Asia Pacific Co., Ltd.
Chachoengsao/Thailand