Company Profile

- Founded in 1934
- In plastics industry since 1960’s
- Head Quarters in ITALY
- Five global manufacturing facilities
- Presence over 50 countries
- World leaders in auxiliary equipment’s
- Certified ISO 9001:2000
GrowthPath

The main steps of a dynamic group
Through 50 years of business in the plastic industry

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1934</td>
<td>Foundation of the company</td>
</tr>
<tr>
<td>1960s</td>
<td>Development and production of auxiliaries</td>
</tr>
<tr>
<td>1970</td>
<td>First branch abroad: Piovan Germany</td>
</tr>
<tr>
<td>1970</td>
<td>Complete line of auxiliaries</td>
</tr>
<tr>
<td>1972</td>
<td>First Chiller</td>
</tr>
<tr>
<td>1974</td>
<td>First PET preform drying system</td>
</tr>
<tr>
<td>1982</td>
<td>First supervisory software</td>
</tr>
<tr>
<td>1993</td>
<td>Opening of Piovan Canada</td>
</tr>
<tr>
<td>1996</td>
<td>Opening of Piovan Asia (Singapore)</td>
</tr>
<tr>
<td>1999</td>
<td>Chiller Production factory</td>
</tr>
<tr>
<td>2000</td>
<td>Brazilian production site</td>
</tr>
<tr>
<td>2004</td>
<td>Extrusion division</td>
</tr>
<tr>
<td>2008</td>
<td>Acquisition of UNA-DYN</td>
</tr>
<tr>
<td>2010</td>
<td>Acquisition of FDM</td>
</tr>
</tbody>
</table>
Global Presence

Piovan Canada
Piovan Mexico
Una-Dyn Ltd.

Piovan do Brasil

Piovan Holding
Piovan S.p.A.
Piovan GmbH
FDM Technik GmbH
Piovan Central Europe
Piovan UK
Piovan France
Piovan Turkey

Piovan China (Suzhou)
Piovan Shanghai
Piovan Beijing
Piovan Hong Kong
Piovan Asia Pacific
Piovan Singapore
Piovan Indonesia
Piovan India
MarketSegments

- Solutions for Injection & Blow Moulding system
- Solutions for PET preform
- Solutions for Extrusion system
- Process Water Cooling
Centralised Drying & Feeding
Centralised Feeding, Dosing, Centralised monitoring
Blown Film (Multi-station gravimetric blending with line control)
PET Sheet, PET Strap, Monofilament (Crystallizer)
Water Chillers
PET preform (resin and mould dehumidifier, conveyor, MB dosing, chiller)
Gas burner for PET resin dehumidifiers
Centralised Mould dehumidification
Bottle / Preform recycling and de-dusting solution
Optical disc
Typical Auxiliary M/c’s
Material Handling

- From Silo to machine receivers
- Dust free environment
- Completely automatic conveying operations
- Dedicated Easy3 control system
Material Dehumidification

- Dehumidified air with dew point < -50°C
- Consistent quality process air, with 0.1°C precision
- Optimisation of energy usage, due to exclusive devices
- Air flow from 0.2 m³/h to 5000 m³/h
Mould Dehumidification

- Overcomes mould condensation (sweating)
- Functioning in all atmospheric conditions, all year round
- Increase in the number of moulding cycles
- Airflow: 400 m³/h to 2900 m³/h
Material Dosing / Blending

- Volumetric / Gravimetric dosing & blending units
- Precision & repeatability, with automatic adjustment to set values
- Optimised regrind management
- Over 300 recipes programmable
Material Granulator

- Recovery of sprue / discarded components
- Dust free regrind
- Reduced noise level & energy consumption
- Operator safety devices
Temperature Controller

- Mould Temperature Controller (MTC)
- Fluid mediums: Oil, Water & Pressurized water
- Precise fluid temperature +/- 0.4°C
- Minimized quantity of heating power used
- Temperatures: min 90°C to max 250°C
Water Chiller

- Air condensed / water condensed chiller
- Cooling capacity: 6.6 kW (2 Tr) to 1060 kW (300 Tr)
- Energy efficient systems
Central Monitoring Software

- **Win Factory**: Integrated management system
- Ability to control & change parameters remotely
- Multi level password access
- Control of Piovan equipment's from one computer screen
  - Storage (Silo control)
  - Feeding system
  - Dryer
  - Dosing & blending
Contact us

Agent in Thailand
KANKYO SOLUTIONS CO., LTD.
68 Soi Rinrada, Srinakarin Rd.,
Suanluang Sub-District,
Suanluang District,
Bangkok 10250
Tel: 02-730-8440-1 Fax: 02730-8442
info@kankyo-solutions.com