A trusted company dedicated to customers’ success

Sirmax Group is an industry leading global thermoplastic compounding company. We rank as the largest non-integrated polypropylene compound producer in Europe, and the fifth in the world. Our plants produce engineering plastics compounds, thermoplastic elastomers, post-consumer circular polymers and bio-compounds. Sirmax designs and develops customized and high quality products for different markets in seven countries around the globe.
Our values

Customer driven

Working with customer specifications, Sirmax engineers design innovative new compounds. Our company is committed to research and development, quality and innovation. We globally and responsibly source only the highest quality raw materials to create low cost, high impact solutions, through fully customized and high performing product lines.

Successful partnerships

Our years of experience in business, through listening and collaborating with customers and suppliers has helped us grow to become a knowledgeable, innovative, and an efficient partner in the manufacturing world. Since our inception, Sirmax grew in several markets with its customers, yielding to an international reach. We believe in diversity and inclusion as critical values for our growth, creating effective teamwork with people of different backgrounds.
## A global company

<table>
<thead>
<tr>
<th>Revenue &amp; Production</th>
<th>Global presence</th>
<th>Market Share</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>315 Mln €</strong>&lt;br&gt;<strong>230 Kton in 2020</strong></td>
<td>Customers in <strong>37</strong> countries</td>
<td><strong>1st</strong> independent PP compounder in EU&lt;br&gt;<strong>5th</strong> in the world</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plants &amp; production capacity</th>
<th>Assets</th>
<th>Investment</th>
<th>Employees</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>13</strong> production facilities&lt;br&gt;<strong>384</strong> Kton capacity</td>
<td><strong>56</strong> production and&lt;br&gt;<strong>12</strong> R&amp;D extruders</td>
<td><strong>80</strong> Mln € last 2 years</td>
<td><strong>700</strong> worldwide</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cooperation</th>
<th>R&amp;D Laboratories</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2</strong> partnership with universities</td>
<td><strong>5</strong> R&amp;D centers and&lt;br&gt;<strong>13</strong> quality control labs</td>
</tr>
</tbody>
</table>
Revenue by year

<table>
<thead>
<tr>
<th>Year</th>
<th>Traditional Products (Mln €)</th>
<th>Green Portfolio (Circular + Bio)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>2006</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>130</td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>135</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>95</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>127</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>141</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>142</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>160</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>215</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>280</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>305</td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>315</td>
<td></td>
</tr>
<tr>
<td>2021</td>
<td><em>2021</em></td>
<td></td>
</tr>
</tbody>
</table>

* Forecast
Production by year

Production in Kton

2005: 80
2006: 96
2007: 92
2008: 97
2009: 90
2010: 101
2011: 105
2012: 106
2013: 108
2014: 110
2015: 141
2016: 155
2017: 180
2018: 195
2019: 215
2020: 230
2021: 260

* Forecast

Green Portfolio (Circular + Bio)
Traditional Products
**SIRMAX GROUP STRATEGY**

<table>
<thead>
<tr>
<th>CORE BUSINESS</th>
<th>GROWTH OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLYOLEFIN COMPOUNDS</td>
<td>THERMOPLASTIC ELASTOMERS</td>
</tr>
<tr>
<td>ENGINEERING COMPOUNDS</td>
<td>CIRCULAR SOLUTIONS</td>
</tr>
<tr>
<td></td>
<td>BIO SOLUTIONS</td>
</tr>
</tbody>
</table>

**Products**
- Automotive
- Households
- Appliance
- Power Tools
- Building & Construction

**Applications**
- Furniture
- Electrical & Electronics
- Sport & Leisure
- Packaging (rigid and flexible)
- Disposable
- Tubes & Cables
- Agricultural & Floricultural

**Sustainability**
- Product Leadership Through Innovation
- Customer Proximity through speed and agility (Multi Country-Multi Product)
- Supporting people, their work and their ideas

80 Mln € last 2 years mostly in Green Economy

Focused on a sustainable future
## Product family

Sirmax offers an **unrivaled portfolio of compounds** to meet the needs of a wide variety of markets.

Our R&D develops hundreds of new formulations every year to provide our customers **tailored material solutions** that meet the requirements of their market segments and applications.

### POLYOLEFIN COMPOUND

PP compounds mineral filled or glass fiber reinforced available in different colors.

*Iso*, *Dafne*

### ENGINEERING PLASTICS COMPOUNDS

PA6, PA66, PBT, PC, Blends. A wide range to meet technical and aesthetic needs.

*Iso*, *Dafne*

### STYRENIC COMPOUND

ABS, PS, SAN, ASA compounds with a wide melt flow rate range, impact modified and heat resistance.

*Iso*, *Dafne*

### THERMOPLASTIC ELASTOMERS

TPE - Thermoplastic Elastomers for flexible solutions.

*Xelter*

### CIRCULAR SOLUTIONS

rPP and rHDPE from post-consumer as well as a complete range of compounds with certified and traceable content of pre-consumer circular material.

*Ser*, *Green Iso*

### BIO SOLUTIONS

Innovative family of products certified for their biodegradability and compostability. Also available with specific “biobased” grades.

*BioComp*, *Xelter bio*
Industries served

Thanks to a **wide range of diversified products**, superior technical expertise and global presence, Sirmax has become the supplier of choice of OEM’s operating in many markets including the household appliance and automotive industries.

Our **engineering teams** work with our customers by offering the most efficient and suitable material for their specific and sometimes critical applications, including electronics, home goods, furniture, sport and leisure, power tools and electrical components.
### Europe

<table>
<thead>
<tr>
<th>Company</th>
<th>Location</th>
<th>Type</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sirmax S.p.A. Cittadella</td>
<td>Italy</td>
<td>PP Compound and R&amp;D Headquarters</td>
<td>50 kton/yr</td>
</tr>
<tr>
<td>Sirmax S.p.A. San Vito</td>
<td>Italy</td>
<td>EPC Compound and R&amp;D</td>
<td>23 kton/yr</td>
</tr>
<tr>
<td>Ser S.r.l. Salsomaggiore Terme</td>
<td>Italy</td>
<td>Circular Economy Plant</td>
<td>35 kton/yr</td>
</tr>
<tr>
<td>Microtec Mellaredo di Pianiga</td>
<td>Italy</td>
<td>Bio Polymer Plant</td>
<td>24 kton/yr</td>
</tr>
<tr>
<td>Sirmax Polska Kutno 1</td>
<td>Poland</td>
<td>PP Compound</td>
<td>85 kton/yr</td>
</tr>
<tr>
<td>Sirmax Polska Kutno 2</td>
<td>Poland</td>
<td>TPE &amp; EPC Compound</td>
<td>30 kton/yr</td>
</tr>
</tbody>
</table>

### Americas

<table>
<thead>
<tr>
<th>Company</th>
<th>Location</th>
<th>Type</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sirmax North America Anderson, IN</td>
<td>USA</td>
<td>PP Compound</td>
<td>40 kton/yr</td>
</tr>
<tr>
<td>Ser North America Anderson, IN</td>
<td>USA</td>
<td>Circular Economy Plant</td>
<td>15 kton/yr</td>
</tr>
<tr>
<td>Sirmax do Brasil São Paulo</td>
<td>Brazil</td>
<td>PP Compound</td>
<td>15 kton/yr</td>
</tr>
</tbody>
</table>

### Asia

<table>
<thead>
<tr>
<th>Company</th>
<th>Location</th>
<th>Type</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autotech Sirmax North - Palwal</td>
<td>India</td>
<td>Capacity: 12 kton/yr</td>
<td></td>
</tr>
<tr>
<td>Autotech Sirmax West - Valsad Plant</td>
<td>India</td>
<td>R&amp;D Facility</td>
<td>20 kton/yr</td>
</tr>
</tbody>
</table>
Sirmax operates **five R&D centers**, each dedicated to a specific product family. Our engineers develop new formulations in our internal certified laboratories and test these new materials according to international standards and customer’s specifications.

The R&D centers are equipped with **12 twins-crew extrusion lines** and work in strict cooperation with the production facility during the scale-up process in any of our 56 global production lines.
Innovative sustainability

Smart Mold, a subsidiary company of the Sirmax group, was conceived by the long standing cooperation with the Materials Engineering Department of the University of Padua. This partnership allows Sirmax to offer product co-design services starting from the engineering design process, assessing the mechanical characteristics using advanced software and suggest design solutions that reduce the product’s weight.

Smart Mold also holds innovative patents to facilitates the injection molding processing of recycled plastics.

Design
Light-weighting, use of high performance materials, and design for manufacturing.

Material selection
Optimizing selection for cost and performance while reducing waste.

Process and sustainability
Mold treatment patents to improve molding conditions and the use of circular materials.
Our Vision about Sustainability

Turn post consumer plastic waste into a high-quality, low carbon footprint material.
Turning waste into opportunities
Vertical integration allows certified quality and full traceability

Plastic waste sorting from post-consumer and post-industrial sources

In-house production process SER circular polymers

Advanced circular compounds formulated by Sirmax R&D

Product co-design activities supported by Smart Mold expertise

Tailor-made products and services
Plastic recycling facilities

In 2019 the Sirmax Group acquired the SER plant in Italy. Due to market demand for circular products, production capacity was doubled.

SER North America was established in 2020 as a greenfield development in Anderson, IN to support the demand for circular polymers in the US market.
Our Vision about Sustainability

Transform single use plastics using a compostable and renewable material.
**What are bioplastics?**

**Bioplastics** are plastic materials that are produced, totally or partially, from renewable sources (biobased). Also those materials which are biodegradable and biocompostable, independently from the source they come from, are considered bioplastics.

They differ from traditional plastics that are derived from petroleum or natural gas, although some of them are fossil-based. Some bioplastics are attractive because they are biodegradable; however, not all bioplastics are biodegradable, nor biodegrade more readily than commodity fossil-fuel derived plastics.
BioComp® is an innovative bioplastic with high renewable content.

Biocomp offers excellent mechanical properties and is fully biodegradable and compostable as defined by EU 13432.

Sirmax offers different grades available for a wide range of applications: blown film, sheet extrusion/thermoforming and injection molding.
Strategy on Biopolymers

Sirmaz Group acquired the Microtec Srl Italy plant in 2019. **Production capacity was doubled** to satisfy market demand for biopolymer compounds used mainly for film and single use applications.

**Enlargement and capacity**
- From 5,000 to **17,000** sqm, 24 Kton

**Investment**
- **20 Mln €** investment

**Enrichment**
- Many new grades added to the product portfolio.

**Enhancement**
- Expansion of **R&D and Sales** Activities
Product Portfolio (1/3)

Polyolefin Compound

- **Isoplen**
  PP Unfilled
- **Isofil**
  PP Mineral filled
- **Isoglass**
  PP Glass Fiber Reinforced
- **Isofilm XT**
  PP High Performance Glass Fiber
- **Isofilm LFT**
  PP Long Glass Fiber

Engineering Plastics Compounds

- **Isoyli**
  PA6 – PA66 – PA66/6 – PA6/6T – PPA
- **Isoclear**
  PC
- **Isodur**
  PBT – PET – PBT/PET
- **Isoblend**
  PC/ABS – ABS/PBT – PC/PBT – ABS/PA
- **Isoform**
  POM
- **Isoryl**
  PPO – PPE

- **Dafneloy**
  PMMA
- **Dafnetec**
  PPA – PPSU – PES – PPS
- **Dafnetherm**
  Thermal Conductive Compound
- **Dafneohm**
  Electrical Conductive Compound
## Product Portfolio (2/3)

### Styrenic Compounds
- **Isoter®**
- **Dafnelac®**
  - ABS – SAN – ASA – MABS
  - AES – SMMA
- **Isostyr®**
- **Dafnestil®**
  - PS – SB

### Thermoplastic Elastomers
- **Xelter® T**
  - Unsaturated SBC based TPE’s TPS (SBS/SIS)
- **Xelter® S**
  - Saturated SBC based TPE’s TPS (SEBS/SEPS/...)
- **Xelter® O**
  - OBC based TPE’s (TPO)
- **Xelter® V**
  - Dynamically Vulcanized TPE’s (TPV)
- **Xelter® tech**
  - Hybrid and High Tech TPE’s
## Product Portfolio  (3/3)

### Circular Solutions

- **Green isofill**
  PP Circular Compound Mineral Filled
- **Green isoglass**
  PP Circular Compound Glass Fiber Reinforced
- **Green isonyl**
  PA Circular Compound
- **Green isoblend**
  PC/ABS Blend Circular Compound
- **Green isostyr**
  PS Circular Compound
- **Green Isoter**
  ABS Blend Circular Compound
- **Green Isoclear**
  PC Circular Compound

### Bio Solutions

- **BioComp**
  PBAT – PLA – PBS – Starch
  CA – Compound
- **Xelter**
  Biobased Thermoplastic Elastomers
In order to achieve world class consistent products, Sirmax utilizes the latest high tech equipment in all of its facilities.

From lot to lot, our products continuously achieve the highest industry stand ratings for Quality and Environmental certifications. Sirmax products are recognized by various global organizations and earn many distinctive certifications for meeting strict international standards.