Innovative Technological Solutions for the Packaging Industry
Technovaa is the packaging films company and part of the industrial arm of Darvesh family, created to provide tailor-made packaging solutions.

Initially as a tapes and cores producer, Technovaa has grown to become a key manufacturer of technical packaging films, utilising the blown and cast extrusion processes.

Technovaa manufactures a variety of technical films for various applications, making us one of the largest plastic film producers in the world, the brand is recognized as an innovator in providing tailor made solutions worldwide.
Macplast S.p.A. was bought by the Darvesh Group in July 2014. From 2015 until end of 2017 the company has made a complete change in the factory, equipment and human resources reorganization. In this process the company invested over 20M€, with a target to become one of the leading packaging films companies in Europe.

The company sold Macplast Agritec Srl and finished the production of agricultural films. Macplast establishes Macplast Agritec Srl, a fully owned subsidiary, through the spin off its agriculture film division.


Technovaa
Italy

The European Branch History

- 1957: funded Manuliplast SpA
- 1962: New operation opened in Vittoria (Ragusa, Sicily) dedicated to agriculture film and Nettuno (Rome) dedicated to industrial film
- 1982: the company sold Macplast Agritec Srl and finished the production of agricultural films
- 2009: Macplast establishes Macplast Agritec Srl, a fully owned subsidiary, through the spin off its agriculture film division
- 2013: Darvesh (1909) acquires 100% of Macplast SpA
- 2014: 21 Investimenti (PE) acquire Manuli sons’ shares
- 2015: the company invested over 20M€, with a target to become one of the leading packaging films companies in Europe
- 2016: Macplast, S.p.A. changes the name to Technovaa Italy. Macplast, S.p.A. and the new shareholder becomes Darvesh Europe Industries Holding, the industrial arm of Darvesh (1909) in Europe. Obtains ISO 9001, 2015 certification
Technovaa Italy Macplast

60 000 Ton/Year
The brand Technovaa is global, with factories in UAE, Oman, South Africa, India and Italy.

Technovaa Italy Macplast is perfectly positioned to serve the market by land, ferry or sea, and its competitiveness to export outside Europe is directly linked to the low cost of access to one of the most important ports in Europe, La Spezia.

Mission

100% satisfaction of our customers with continued research, development, added value, quality driven service and long term orientated relationships. Our goal is to be recognized by the markets as a competitive company in the packaging business, with excellent performance in every single area.

We believe our company’s success derives from our dedication and ability to keep not only our customers happy, but also our suppliers, employees and all the organizations that we work with.

We know the role we play and how important it is.

Our experience in the market and the know-how of our team allows us to understand that the next step is to continue to improve the company to maintain our high-quality levels.

In a very competitive market we want to MAKE THE DIFFERENCE

Today the company exports more than 50% of the production and has a production capacity of 46,000 tonnes in stretch films and 14,000 tonnes in industrial films.

Our target is to grow globally, not only in Europe. The company product mix comes from the stretch division, competitive stretch film to high quality products, and the industrial film division, with a large portfolio of standard and quality products, with the capacity for 8 colours printing.
Recycling Materials

Our vision for our product scrap is to change the view from seeing it as waste to seeing it as a valuable resource for future use. All our products are recycled, and we are continually exploring new ways to optimize the amount of material and energy we use, with a focus on decreasing our carbon footprint. As part of our policy, we exemplify and apply Environmental, Social and Governance (ESG) criteria to all our decisions. Our policy is founded on the UN Global Compact principles, which are 10 universally-recognized principles based on international agreements on human rights, labour standards, the environment and the fight against corruption.

Technovaa Italy has an integrated management system: quality, ISO9001 is already concluded since 2015 and environment and safety, ISO 14001 and ISO 45001 respectively, are under preparation.

The reorganization of our facilities and the investment done in 3 years allows Technovaa Italy Macplast reach in 2018 the levels achieved in 2007, at that time, with 3 factories across Italy.

Environment

Throughout the years, TIM has modernized its production process, significantly investing in more advanced equipment and implementing measures to minimize the environmental impacts of its activity, a predominant factor in the sustainable growth of the company and its competitiveness.

To be one of the pioneers in providing innovative technological solutions to the packaging industry.

Future?

We Care

Quality

All our production lines have advanced automatic control systems.

Our products are manufactured according to specifications given to us by our customers or our internal specifications, and the quality of these final products is controlled in Technovaa’s own laboratory.

In the last 2 years we have invested 1% of our sales in research and design.

The continuous cooperation with the main global suppliers allows our company to keep our products updated with the most performant raw materials.
Products
Packaging Films

- Stretch Films
- Blown Films
High Performance Films
Our high-performance stretch films were developed to offer the best solutions for faster wrapping, with optimized cost per units and are used as machine rolls, hand rolls or jumbo rolls for rewinders. These type of product grades have up to 330% stretch capacity.
- TS25 Stretch Super 250%
- TS30 Stretch Power 300%
- TS33 Stretch Super Power 330%

Standard Films
Technovaa standard stretch film grades have up to 200% stretch capacity and are used as jumbo rolls for rewinders, machine rolls and hand rolls.
- TS10 Stretch Basic 100%
- TS15 Stretch Standard 150%
- TS20 Stretch Medium 200%

Special Films
Since 2015, combining the machine capabilities, our expert knowledge and our experience, Technovaa has been developing special stretch films for a wide range of applications.
- TSHT Stretch SHT
- THST Stretch STIFF
- TSHP Stretch Thin Power

Stretch Film
T-Stretch

Technovaa provides stretch film from 7 to 50μm with a guaranteed maximum stretch of up to 330%.
Our stretch film can be custom made to suite a wide range of needs and produced as manual stretch film, jumbo rolls to convert into hand rolls, machine rolls or pre-stretched rolls.

Our range of Stretch Films
Includes:
- Clear film with varying degrees of pre-stretch
- Coloured stretch films
- Cast PE cling film

Technovaa Innovative technological solutions to the packaging industry
### Standard Films

- **BASIC 100%**
- **STANDARD 150%**
- **MEDIUM 200%**
- **POWER 300%**

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### High Performance Films

- **SUPER 250%**
- **POWER 300%**

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### Special Films

- **SUPER POWER 330%**
- **TSHT STIFF**

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### Technovaa

Innovative technological solutions to the packaging industry
Collation Shrink films
Co-extruded film designed for packing a variety of products such as bottles, cans, and beauty products. They can be used in various forms relating to transparency, gloss, and consistency, as well as having high durability for downgauging.

- No-Collant Shrink
- Medium-Density Shrink
- High-Transparency Shrink
- Low Thickness Shrink

Industrial Films
The film covers the pallet in order to protect it from the affects of weather, while it also keeps the protects stable during transportation and storage. Colours, printing, and transparency can all be modified on this high durability film used in the industrial sector.

- Shrink Tube
- Antistatic Top

High-Tech Industrial Films
High-tech films that allow better performance of the machines and can have characteristics tailored to the most extreme needs.

- Protective Film
- Form Film and Seal (FFS) Flat Films
- Stretch Hoods

Blown Films
Industrial Portfolio
Technovaa is a leader in the production of Multi-Layer Blown Films. Concentrated efforts in new developments, innovation, and continuous improvements in the manufacturing process have resulted in a high level of quality and efficiency.

Having acquired the latest technology, we are able to provide value-added, quality-driven and economical solutions to our customers. State of the art equipment facilitating the highest levels of efficiency has placed us as one of the largest converters worldwide.
Collation Shrink films

No-Collant Shrink
Co-extruded film designed for packaging of previously heatshrunk products. Its composition prevents the two films from sticking.

Medium-Density Shrink
A high tensile strength product, particularly suitable for packaging high-weighted items like bottles or cans in the food preservation industry. It combines relevant mechanical properties and an excellent machinability.

High-Transparency Shrink
This product is highly transparent and bright, suitable for any type of wrapping machine, with or without printing and welding bar. Packaging for medium to lightweighted products.

Low Thickness Shrink
Technovaa has developed shrink films for automatic machines with thicknesses up to 20μ. This combines the need to respect the environment with production efficiency.

Industrial films

Shrink Tube
Used for palletizing by the heat shrinking process and is suitable for Glass, White Appliances and Ceramic Industry. It is a coextruded LDPE tubular film that is automatically sealed on one end to form sacks that are placed over goods stored on pallets. Thereafter a heat source shrinks the film to form a tight and secure wrap around the goods. The result is a pallet that is both stable and resistant to changes in weather, leading to safe delivery of the products covered by the shrink tube. 

High-Tech Industrial films

Protective Film
Blown film that has a range of low thicknesses and high rigidity.

Materials that are often used by this material:
- Metals (Aluminum, Stainless Steel), Carpets, Glass
- Automotive Parts, Panels

Our range of Protective Films:
- Low thickness film (18 micron)
- Carpets - No noise film, Glass - White/black film, Tinted film

Form Film and Seal (FFS) Flat Films
Coextruded PE flat films designed to have strong mechanical properties in order to pack a great variety of products.

 Normally used to pack solid and dry products such as pellets, powders etc. Our experience allows us to produce films with excellent weldability and variable choice to meet the most diverse needs. Color, perforation, slipperiness and other possibilities to obtain a made-to-measure and printable product up to 6 colors.

Stretch Hood

Newest generation

Our Stretch Hood, designed and manufactured to produce three different types to suit different uses, represent the pride of Technovaa. For the results obtained and for the high degree of satisfaction of our customers across the world. The collaboration with the major producers of lines which package using stretch hood, allows us to provide products with high performance and machinability.

T-Novaa
High elasticity and resistance to perforation

T-Power
High compactness and tear resistance

T-Mega
High performance in thickness and reduced sizes
With continuous investment in the growth of the company we have installed an 8-color printing machine that allows us to have an excellent quality and satisfy every need of our customers.

With our experience in industrial packaging and know-how in the printing sector, we are able to provide the best solutions in Italy as well as in foreign markets.

Our 8-color flexographic printer, as well as in-line printing up to 6 colors, will allow us to better supply the market with great quality.