

**Custom made projects
and solutions**

**Key
features
of Saip**

www.saipequipment.it



 **SAIP**
ADVANCED
POLYURETHANE EQUIPMENT

Saip

Advanced Polyurethane Equipment

To improve the business performance of our customers



A CERTIFIED COMPANY

SAIP Quality Management is certified according to the requirement of the ISO 9001:2008 (first certificate in 2006). Through the implementation of our management system we guarantee our customers high quality standards by checking and testing every step of the product in-house just making use of products from the certified companies. Continuous improvement is the crucial requisite of how we work and equally essential in pursuing our mission, that is, customers' success.



A COMPANY CHOSEN BY THE UNITED NATIONS

Since 1996 supporting the United Nations in promoting and accelerating the ODS phase-out project in the developing Countries with more than 300 worldwide projects and supplies. From the very beginning, SAIP decided to exclusively develop eco-sustainable technologies, referring to the highest international standards and the best industrial practices: we design well-advanced machines and plants for the success of our customers' businesses without ever losing sight of the value of environmental sustainability.



A COMPANY ORIENTED TO RESEARCH & DEVELOPMENT

SAIP invests considerably in its human and economic resources for the purposes of research and development, which are an integral part of its culture. It collaborates with the major producers of polyurethane, steel and other raw materials, it pursues new partnerships and endeavours persuaded that best solutions stem from synergies. One example is CEDEPA, the first and largest R&D center in the world for the technological development of panel production methods: it is equipped with a continuous panel production line that can be used for testing and training activities.



A LEADING COMPANY

Since 1978 SAIP is one of the worldwide leading companies in the designing and manufacturing of polyurethane processing equipment. Its innovative approach and the strong development abilities have been making its business and commitments grown very quickly all over the world. SAIP proposes itself as the engineer of change to implementing and managing customized solutions and turn-key projects. SAIP ensures the highest level of project team specialization as well as qualified technical assistance on site. SAIP is the right partner to rely on to making your business grown.



Targets

A single company, a single Group countless applications.

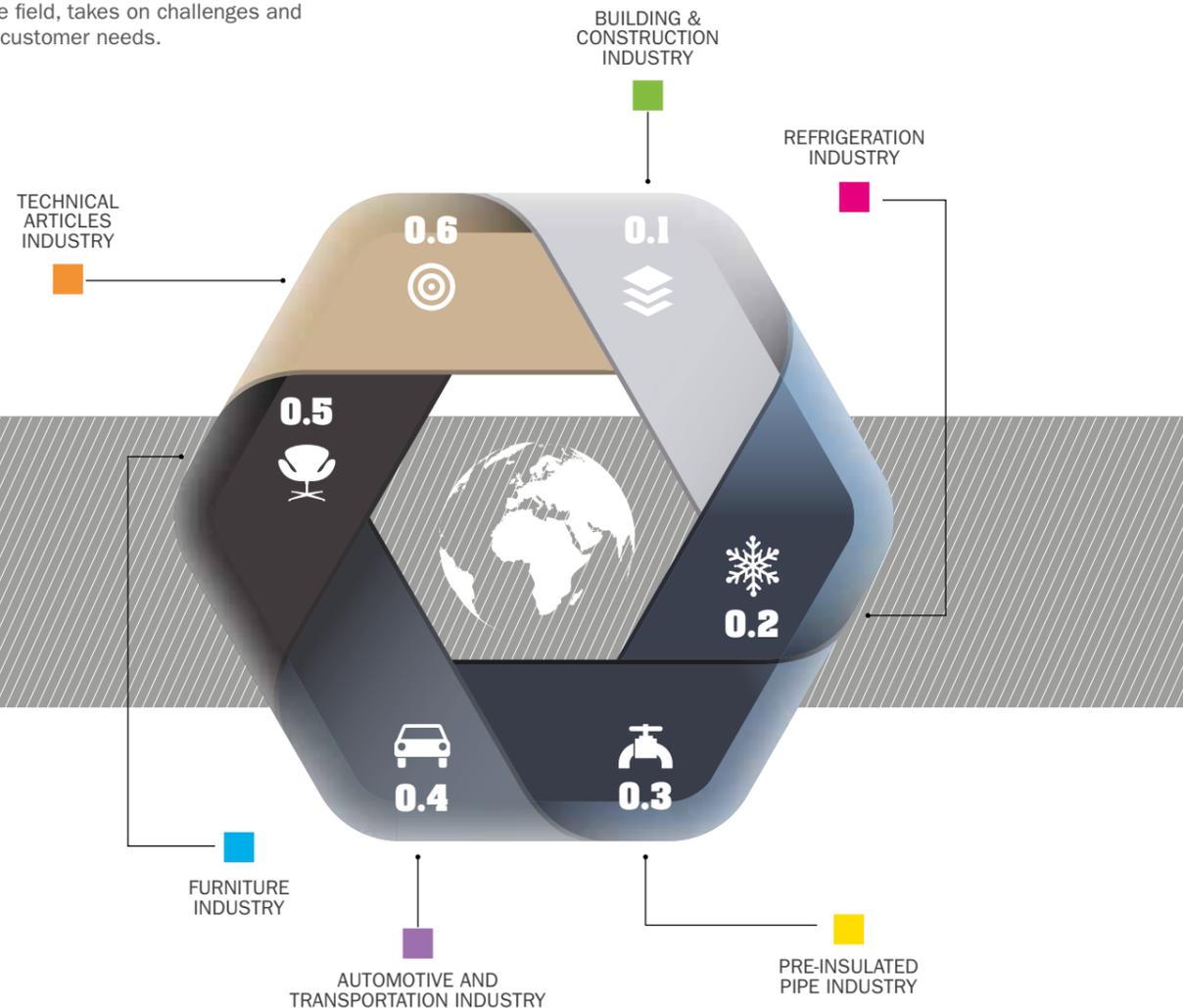


Today, the demand for innovative and efficient solutions in terms of thermal insulation and energy savings, in the building and refrigeration industries, is increasingly specific and qualified. SAIP is able to offer suitable technologies to cover the needs of these markets with complete, customized solutions that ensure energy efficiency.

Pre-insulated pipes is another specific sector that uses SAIP solutions: chiefly in large scale works, where extreme conditions of use require high performance and absolute precision.

But SAIP technology is also used to build everyday objects and elements: means of automotive components, office and home furnishings, sports equipment and water crafts, to name just a few.

SAIP is a flexible Company that, on the strength of its own skills and those of the POZZI INDUSTRIES group, takes to the field, takes on challenges and finds solutions to customer needs.



SAIP www.saipequipment.it

Since 1978 SAIP has been designing and building plants and machines for the polyurethane industry: the company's propensity for innovation and high quality standards has guided it in its search for technologically advanced, sustainable solutions which are always made-to-measure and always aimed at improving the business performance of its customers. SAIP has a highly qualified staff and a worldwide sales network, guaranteeing its customers prompt and targeted technical assistance for their needs.



Pozzi Arosio www.pozziarosio.com

Pozzi Arosio is a chemical company based in Italy since the early fifties. It is a Polyurethane System House operating in the international polyurethane industry. Over the years it has built a consolidated team of highly expert individuals in polyurethane systems and it is able to offer different customized industrial solutions based on the most complex customer needs. It has built a pool of companies that are able to offer a complete range in the sectors of furnishings, automotive, transport, sailing, building, sports and free time, etc. From the initial project to after-sales service: Pozzi Arosio is the best partner offering complete industrial solutions, strictly Made in Italy.



Agile

Agile is the result of a Joint Venture between POZZI INDUSTRIES group and a Brazilian local Partner that has over 30 years of experience in the Polyurethane Industry. It has arisen from the need in the South American market to have a single point of contact for an Integrated Solution that includes: Polyurethane Systems, Equipment and a highly professional Consultancy Service for the study, planning and implementation of Turnkey Projects.



Dip Print

"Everything comes from water": DipPrint® is a three-dimensional water-based decorative graphic technology that can be used for any type of surface and material such as plastic, metal, wood, polyurethane, glass. It is the only existing printing technique for uneven surfaces that leaves the model intact. DipPrint® uses special pigments applied to a water soluble film to draw the required decoration, with minimal impact on the environment.



ce | de | pa www.cedepa.org

ce|de|pa is the first and the only R&D center in the world completely dedicated to the research and development of new solutions for polyurethane panel production industry. ce|de|pa is equipped with one state of art line, built on an industrial scale and designed to perform testing and prototyping activities and allow the players in the building industry on a worldwide scale to accelerate the development of new solutions for the production of polyurethane panels for thermal insulation.



Epta

A true finishing expert for complex challenges and special projects. EPTA supplies its customers with customized surface finishing solutions that are always innovative, to both perfect existing techniques and develop new ones. EPTA for smart coatings!

Contitech RF

Complete solutions for the production of Rigid Facing insulated panels

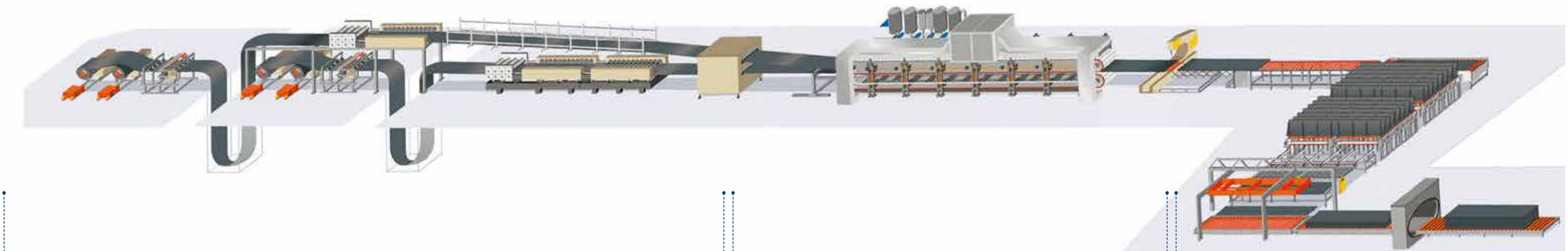
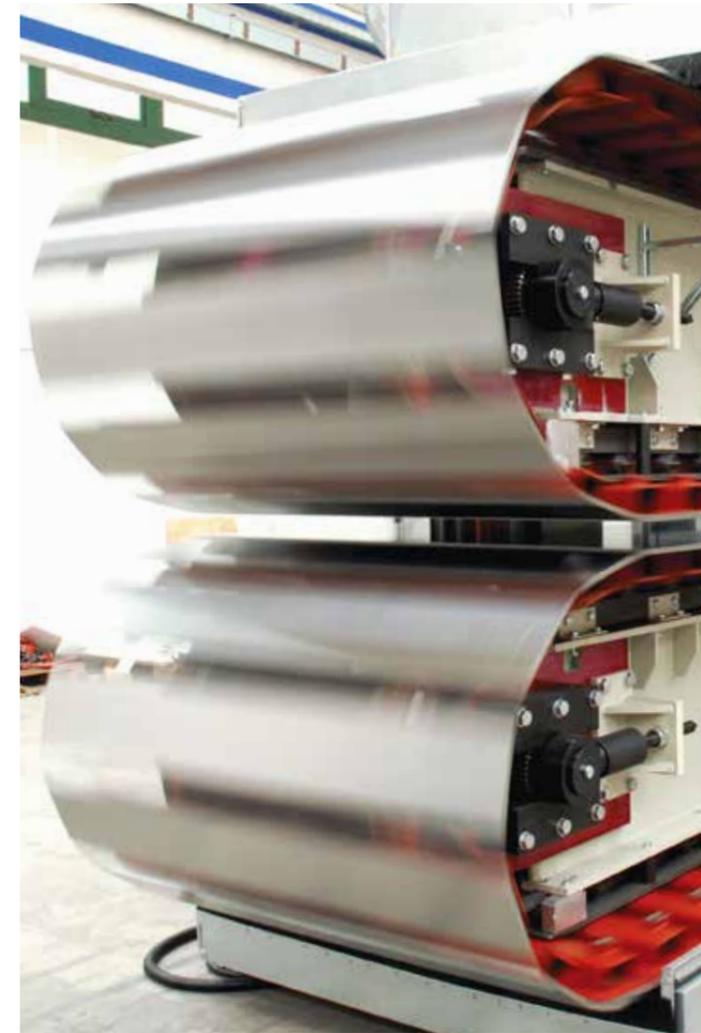


SAIP offers you the complete solutions for the manufacturing of Industrial & Architectural Roof & Wall sandwich panels with PUR, PIR & RW Core as well as the Industrial & Residential Sectional Door Panels.

The continuous panels production method consists in the laying down of the polyurethane reactive mixture between two continuously moving facings. The reaction and the hardening of the polyurethane mixture takes place inside a continuously moving press or double press conveyor. The production speed depends on the foam mixture curing time, the thickness of the panels and panels minimum cutting length.

Our supply includes:

- The chemicals storage farms and chemicals handling system
- The metal sheet roll forming section
- High pressure foaming dispensing machines from 2 up to 8 components and more which fit for new generations of blowing agents.
- Continuously moving press conveyor from 12 up to 42 meters length
- On-line cutting group, band saw and disc system
- Panels handling section which includes the panels stacking, curing and the panels bundle packing equipment
- Mineral and rock wool boards processing and gluing sections



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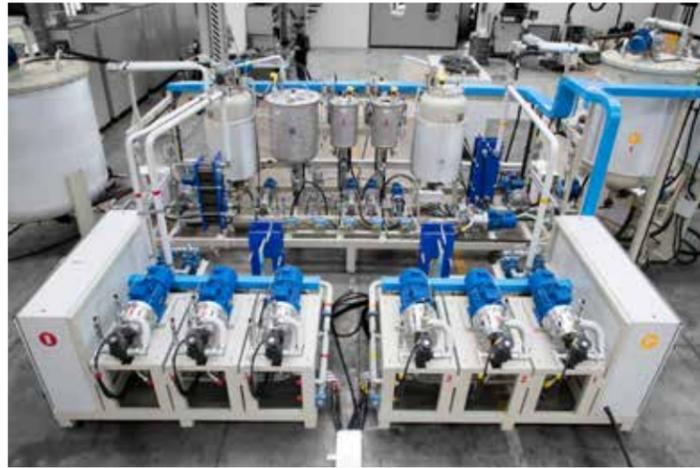
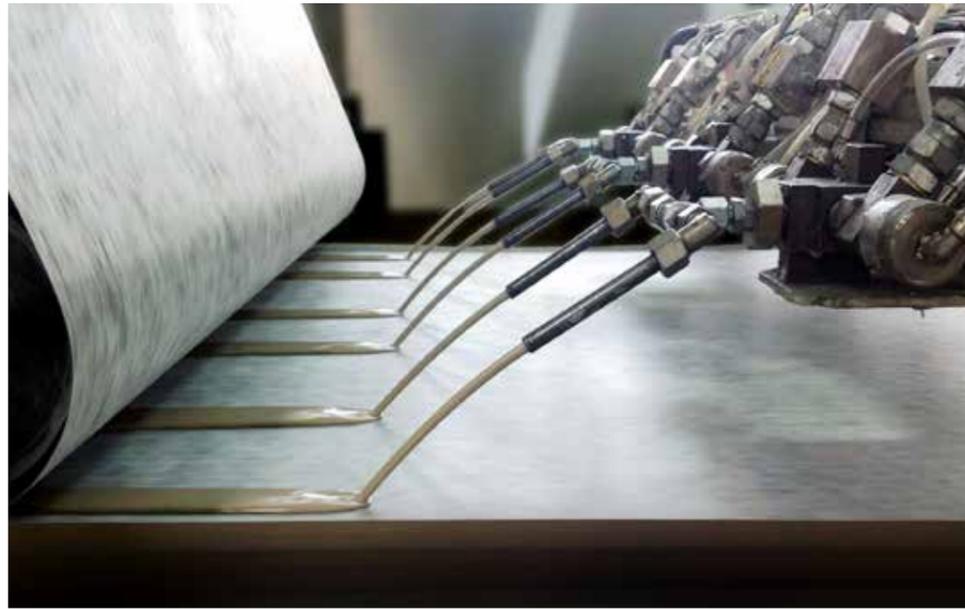
METAL SHEET FORMING AREA

02

PANEL FORMING AREA

03

PANEL HANDLING AREA



SAIP EQUIPMENT

Contitech FF

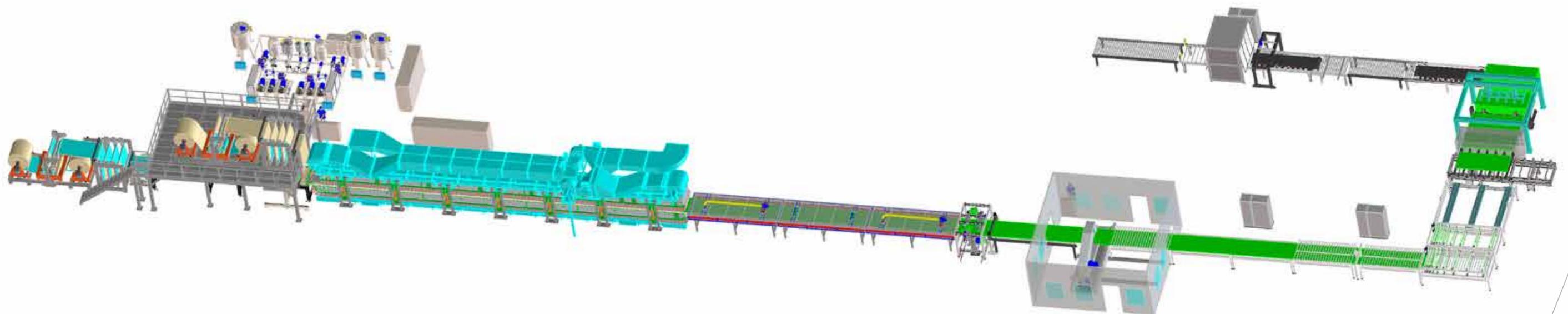
Complete solutions for the production of Flexible Facing insulated panels



In 2012, SAIP successfully provide the first high speed flexible facing production line in the China Market. The line has been entirely designed and produced by SAIP internally and it is described as 110 meters long, with a production speed of 40 meters/minute, high tech customized foaming distribution systems; The line also includes an automatic handling system which is capable of running at the maximum speed.

Our supply includes:

- The chemicals storage farms and chemicals handling system.
- High speed 2+2 decoilers with automatic joints system.
- High pressure foaming dispensing machines from 2 up to 8 components and more which fit for new generations of blowing agents.
- More than one mixing head with different distribution systems referring to the various of requirements of line speed, features of panels, local chemical system and etc..
- Continuously moving press conveyor from 12 up to 42 meters length.
- Panels cutting & handling section which includes the panels cutting, stacking, curing and the panels bundle packing equipment matching the requirements of the maximum speed.





SAIP EQUIPMENT

Pipetech

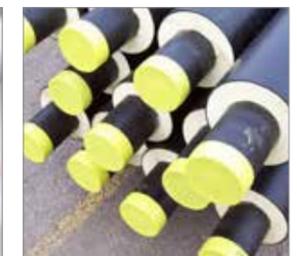
Complete solutions for pre-insulated pipes production



PIPE TECH is the SAIP technology that designs and builds specific systems for the thermal insulation of pipes (PIPE IN PIPE), the insulation and reinforcement of pipe joints (PIPE JOINT) and other special specifications for a multitude of uses and destinations. Over 15 years SAIP has developed important partnerships with the major European players in this sector, working alongside them in the development of projects and customized plants. Moreover SAIP trains the operators first hand to learn the skills required to work autonomously, guaranteeing qualified assistance as well as the prompt supply of spare parts and auxiliary materials.

Our supply Includes:

- Customized discontinuous production Lines using pouring technology for producing pipelines in the applications of Oil & Gas and District Heating & Cooling
- Customized discontinuous & continuous production Lines using spray technology for producing pipelines in the applications of Oil & Gas and District Heating & Cooling
- Completed lines for producing flexible pre insulated industrial pipes



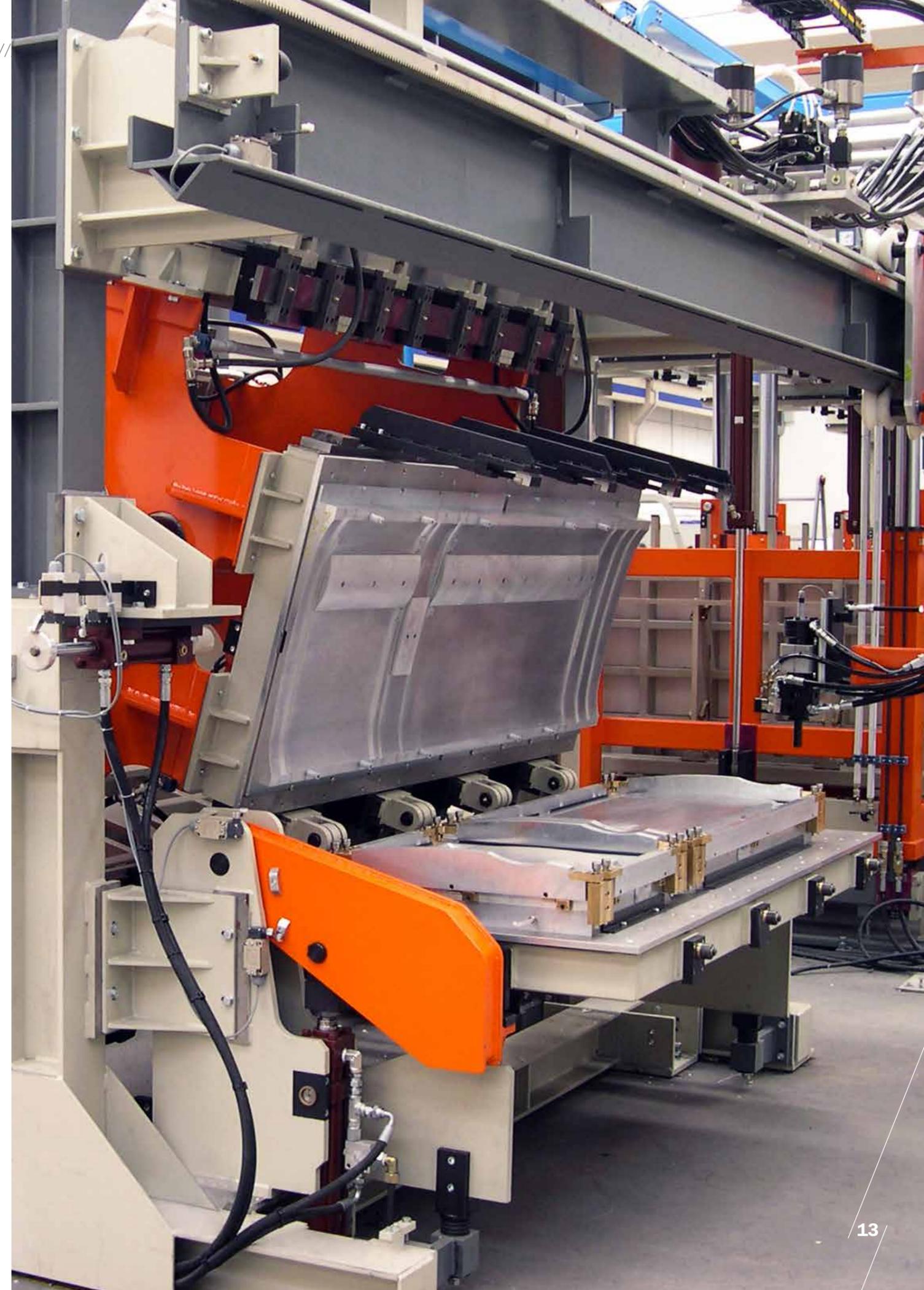
Reftech

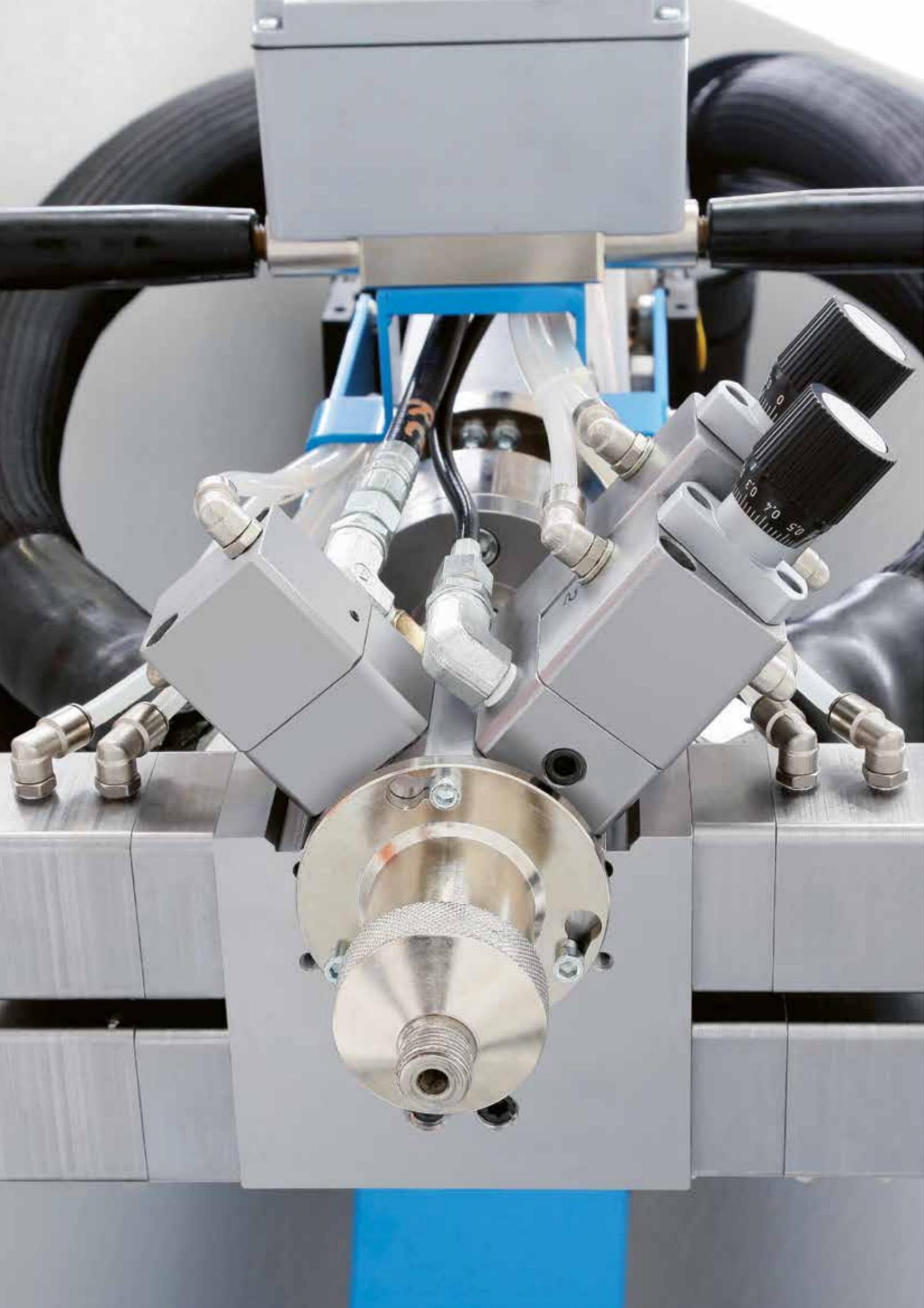
Complete solutions for the insulation with polyurethane foam of industrial and domestic refrigerator



Complete solutions and custom made equipment for the domestic and industrial refrigerators insulations with polyurethane foam which include:

- Complete lines for refrigerators cabinets foaming with fixed and movable fixtures.
- Complete lines for refrigerators doors foaming such as manual systems, drum unit, paternoster unit and various carousel systems.
- Cabinets foaming fixtures, hydraulic types, automatically adjustable, face-up and face-down foaming method.
- Cabinets foaming fixtures, pneumatic types, automatically adjustable, face-down and face-up foaming method.
- Manual and automatic adjustable cabinets foaming plugs.
- Adjustable doors foaming moulds.
- Foaming process automation.
- Polyurethane components storage and blending system for polyols with new generation of foam blowing agents.
- Complete lines for pre-assembling of cabinets and plastic inner liner.
- Complete lines for final assembling of refrigerators cabinets including the assembling line for various components (compressor, doors and etc.).
- Compressor charging and vacuum system, electrical and functional test system.
- Design and product engineering and automation of the manufacturing process.





SAIP EQUIPMENT

Elastotech

Complete solutions for technical elastomer industry



Designed and built to dose and mix MDI pre-polymer based elastomers, the EL series low pressure machines are designed and developed to provide the user with easy use, precision and reliability. They are sturdy and adapt to any condition and production environment.

Our supply includes:

- Casting machines up to 6 components and up to 130°C processing temperature
- Auxiliaries equipment such as curing ovens, centrifugal ovens, moulds and much more.



Hydrocarbons Solutions



In the continuous foaming process a multi-stream foam dispensing machine is used and there are different technologies in the market.

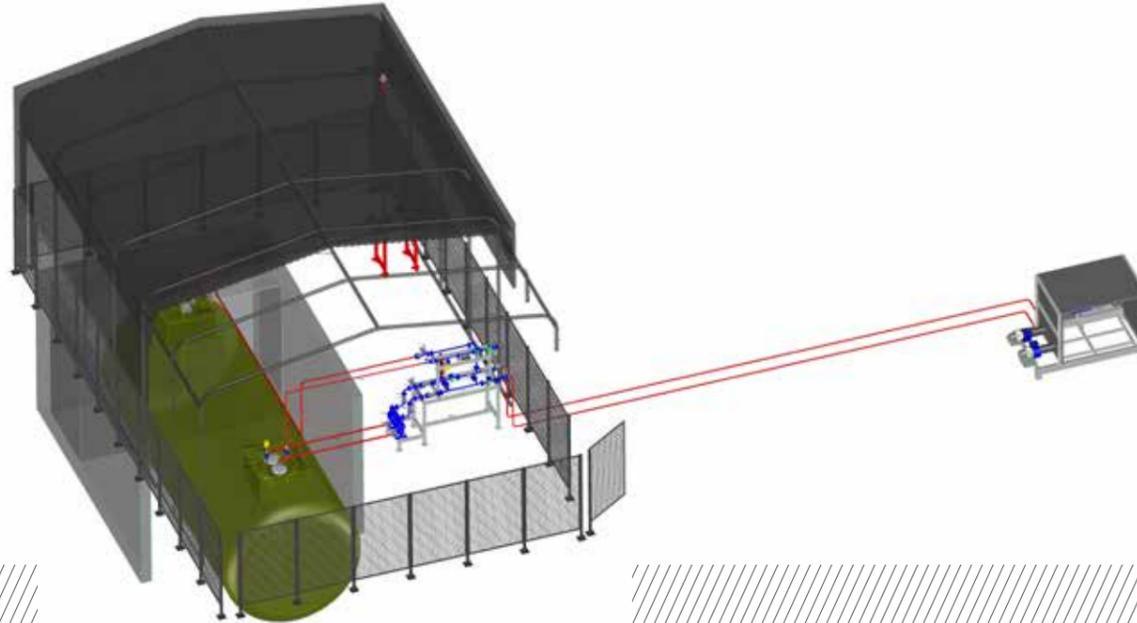
Our supply includes:

In the continuous process the most common technologies in use are:

- ▶ LPS Technology : The HC's is added and mixed with the Polyol blend through a dynamic mixer in the Polyol low pressure stream of the foam dispensing machine then is delivered to the Polyol high pressure stream just before getting to the mixing and pouring head.
- ▶ HPS Technology: The HC's is added and mixed with the Polyol blend through a static mixer in the Polyol high pressure stream of the foam dispensing machine just before getting to the mixing and pouring head.

In the discontinuous process the most common technologies in use are:

- ▶ The in house pre-blending of Polyol with HCs (PBS system)
- ▶ The ready-to-use HCs / Polyol blend (RTU system)
- ▶ The PTS system (Third stream)



Dip Print™ technology

Complete Solutions for the three dimensional surfaces



- **DIP PRINT™** technology is really unique for printing quality in definition and rendering even for convoluted shapes allowing at the same time the maximum variety of substrates.
- **DIP PRINT™** is the best option, the winning solution, especially in cases where significant production difficulties come along with top level finishing requirements.
- **DIP PRINT™** is widely used in automotive, boat and airplane industry.
- **DIP PRINT™** allows the use for outside decorations of cheaper, more suitable (e.g. fire resistant) or lighter materials, and consequently considerable savings in costs for raw materials, transport, handling.
- **DIP PRINT™** decorated pieces show the best appearance you can imagine in every pattern you can imagine.



Furniture

Molded technology in PU furniture industry

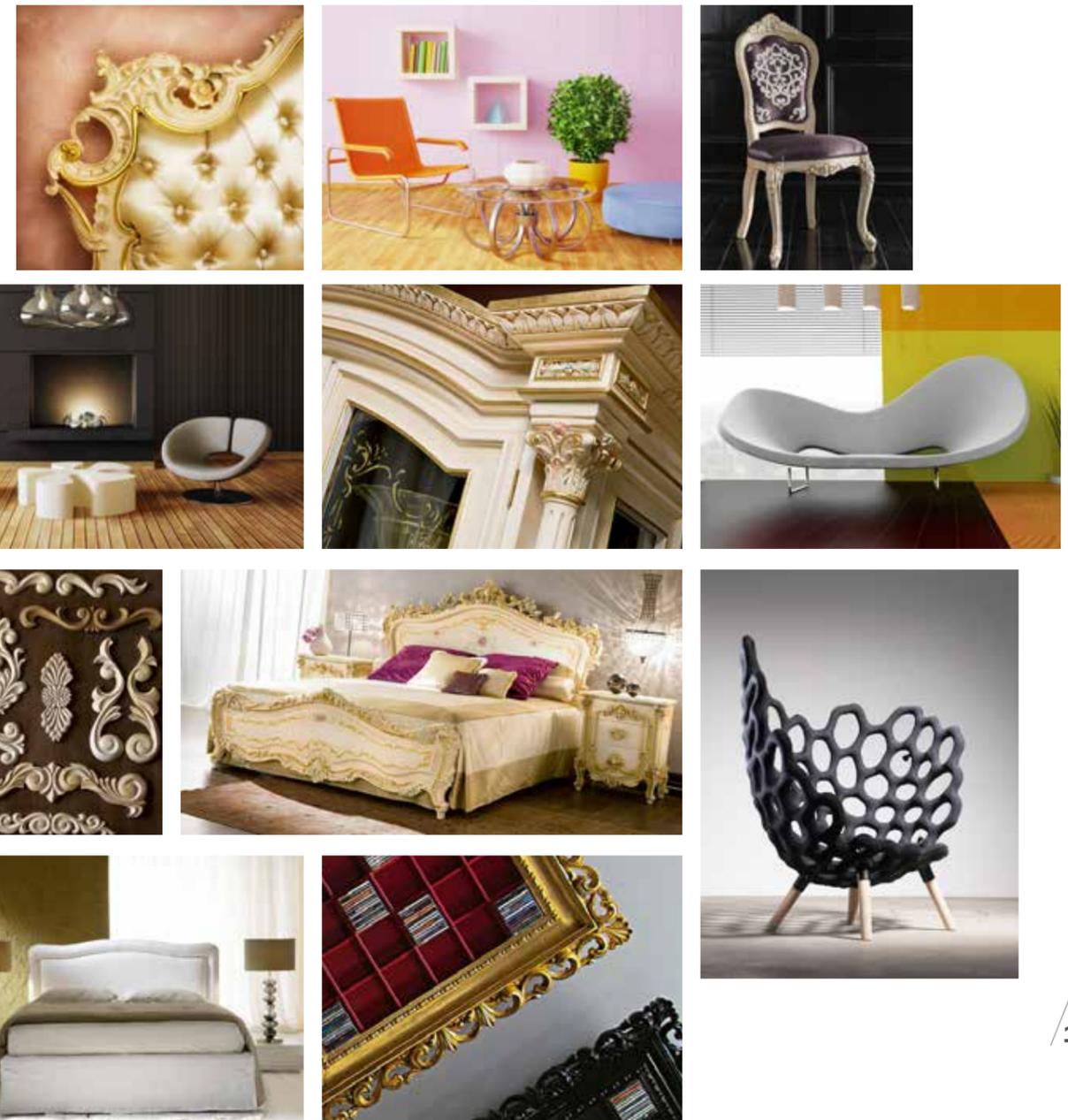


We offer the complete solutions of the Furniture Industry

Our supply includes:

- From Design to Know How Technology
- Equipment, Chemicals and Auxiliaries
- Start up, Training and Production Support

The use of polyurethane foam is the perfect solution for contemporary and classical furniture elements production.





SAIP surl

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