E-mail: didi.dumitru@alb-rebar.com
RO: (+40) 0720587788

Bars and reinforcement nets made of fiberglass and basalt fiber.

Bars and ANC reinforcement nets (non-metallic composite fiberglass and basalt fiber reinforced) made of composite material, which meet technical and mechanical resistance properties ... non-corrosive, dielectric and non-electromagnetic, representing the current most advanced solution where required the following conditions are met:

• Resistance to corrosion: ANC does not oxidize and is impermeable to the action of salt ions and all chemicals with which it can come into contact.

• Low weight: ANC weighs up to 11 times the equivalent weight of a steel bar, depending on fi Ø, offering low costs from shipment, storage and handling to a very high construction speed.

• Electromagnetic Neutrality: The lack of electrical conductivity excludes the occurrence of the Faraday box phenomenon, which is extremely important in the operation of sensitive electronic devices, MRI, radar, sonar, or electronic test devices.

• Extremely low thermal conductivity: excludes the appearance of thermal bridges.

E-mail: didi.dumitru@alb-rebar.com
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Fiberglass or basalt fiber mesh.

Our products are flexible, light and without the risk of time degradation under the influence of chemical components in mortars. For these reasons, glass fibers or basalt fibers in the nets are covered with a substance which prevents the fibers from being broken down, which gives the glass fiber or basalt net resistance to the action of chemicals. The material has mechanical, mechanical and chemical resistances, being flexible once, easily stretched and bent without the threads breaking, and can be embedded in the adhesive layer smoothly. Due to the fact that it is flexible, the yarns do not break, they behave impeccably both in transport, handling and commissioning.

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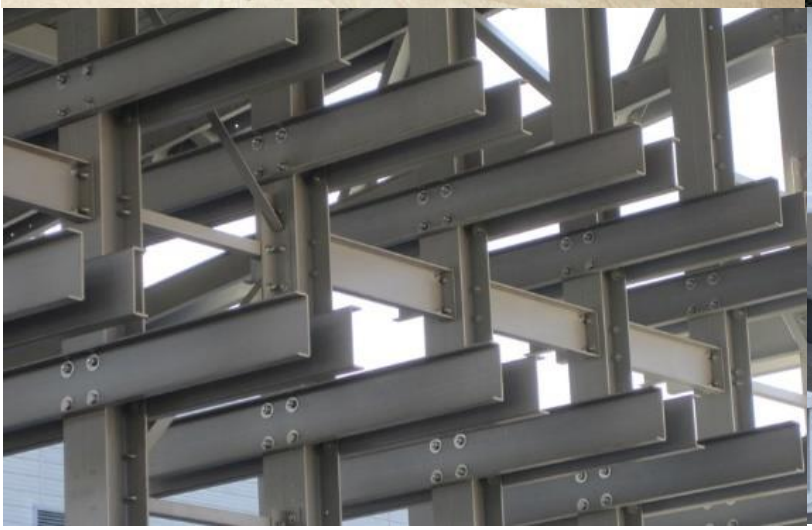
RO: (+40) 0720587788

Fiberglass or basalt fiber profiles.

The composite profile is an alloy of glass fiber or basalt impregnated with polyester resins, thus this product has a number of significant advantages compared to steel profiles:

- high technical and mechanical features.
- reduced thermal conductivity.
- low weight.
- easy to assemble.
- waterproof at high temperatures, ultraviolet rays, resistance to corrosive agents and various atmospheric phenomena.
- dielectric.
- electromagnetic transparency.
- aesthetic look.






E-mail: didi.dumitru@alb-rebar.com
RO: (+40) 0720587788

Glass or basalt fiber pipe.

Composite pipes - are made of fiberglass or basal fiber, which are made by continuously winding the fibers and impregnated simultaneously with resins. They are used in industrial, construction and public or private transportation and drainage systems. Pipes made of this material have a lifetime of at least two times longer and are more efficient than steel products because they have a whole range of advantages:

- high technical and mechanical features. Non corozive.
- low thermal conductivity.
- lightweight and lightweight in assembly.
- ability to withstand high pressures - up to 20 MPa.

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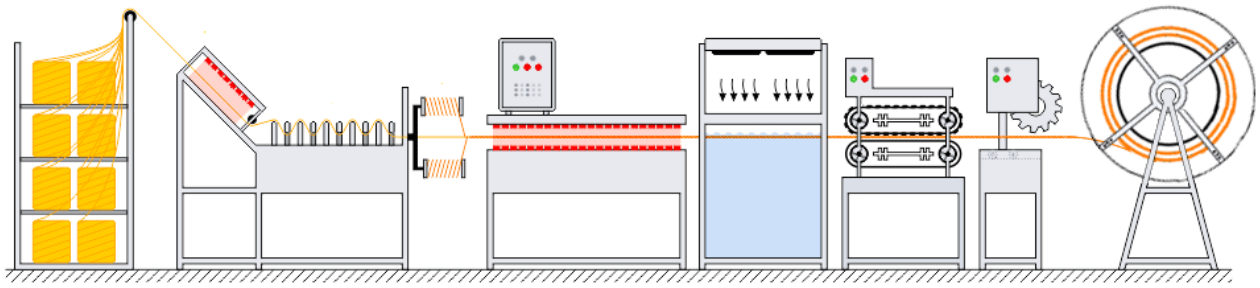
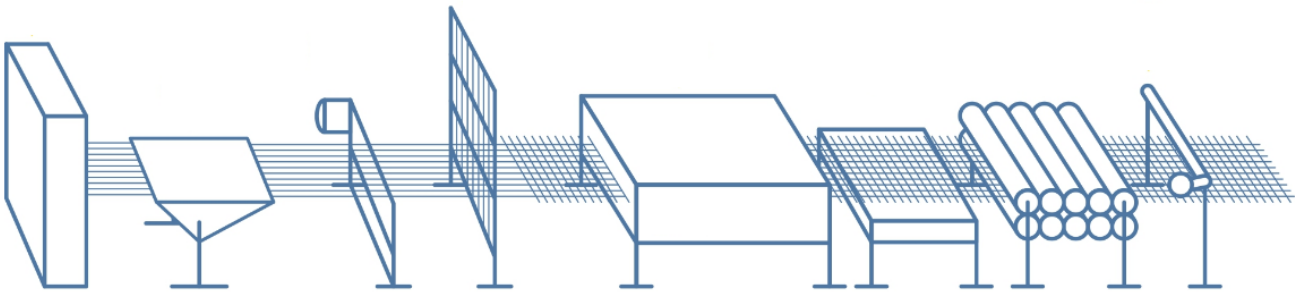
Production line for reinforcing bars and meshes, profiles and glass fiber and polyester fiber impregnated basal fiber.

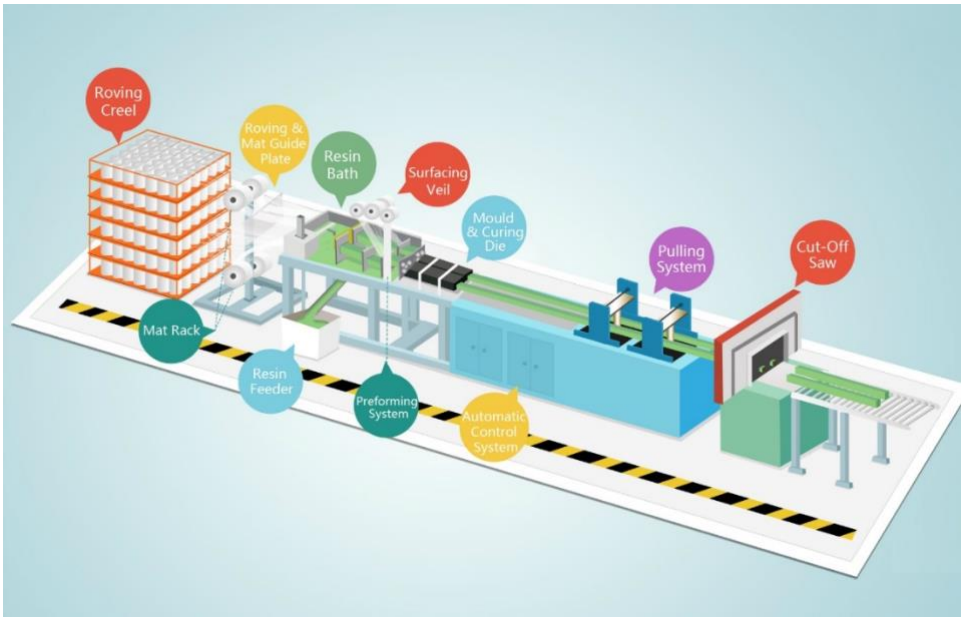
Line for the production of reinforcing bars of glass or basalt fiber.



Line for the production of fiberglass or basalt fiber mesh.



Line production line by extrusion method.



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RO: (+40) 0720587788

Products from polymeric materials - are made of quartz sand and polymeric resins that are an excellent alternative to traditional materials: cast iron, concrete or brick. These materials have an impressive number of advantages, such as:

- long life.
- impact resistance.
- low weight.
- waterproof, high-temperature, ultraviolet, non-corrosive.
- ecological.
- sales.




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RO: (+40) 0720587788

LINE OF PRODUCTION PRODUCTS OF POLYMER MATERIALS

The basic set of equipment includes:
1. Crushing machine
2. Extrusion machine (melting heating)
3. Mixer
4. Press
5. Matrix (3 pieces)

Complete set for production based on raw material (granules, sand, paint)
1. Warm room with snail
2. Press
3. Mold (3 pieces)

Parameters of production space.
1. Capacity 40 kW / h
2. Energy consumption of 20-25 kW / h
3. Network 380 V.
4. Surface 150 m2.
5. Ceiling height 4 m
6. Ventilation system.
7. Personnel for operation 7 people

Productivity of the equipment 200-240 m2 in 24 hours.

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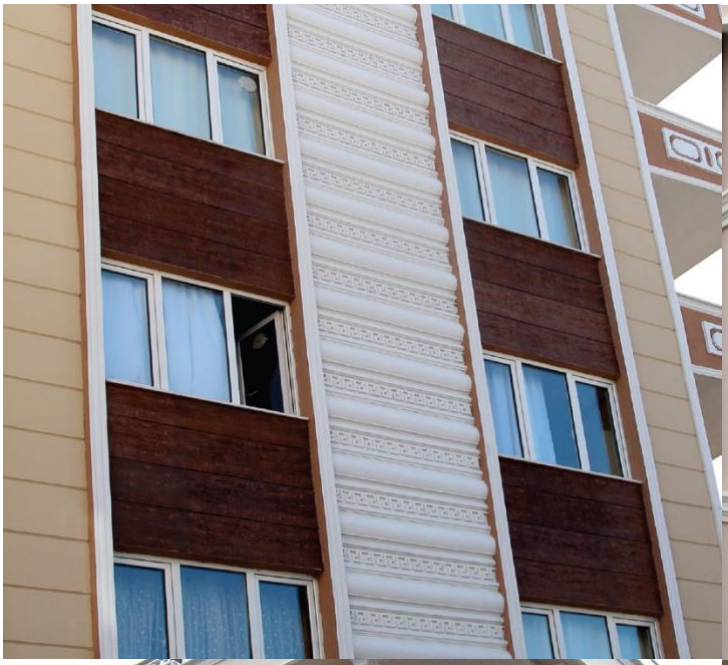
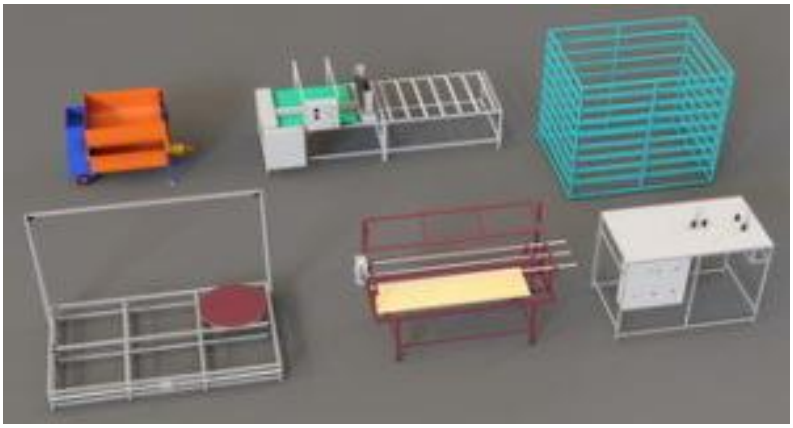
TERMOPANOU and TERMODECOR - revolutionary panels for building finishing.
TERMOPANOUL - is a revolutionary high quality product made of polystyrene and covered with a layer of consolidation. The layer with which TERMOPANO is coated is much stronger and more durable compared to a classic polystyrene plate.




E-mail: didi.dumitru@alb-rebar.com
RO: (+40) 0720587788

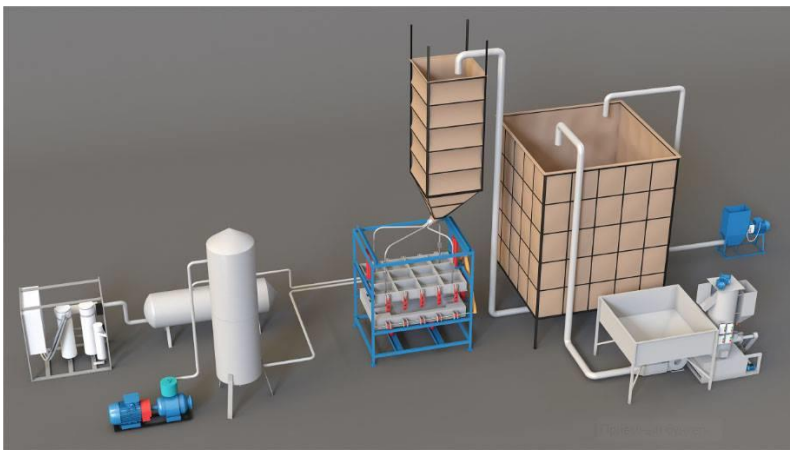
Lines for production and reinforcement of panels and decorative elements made of expanded polystyrene.

LINE OF DEBITTING AND ARMING ELEMENTS OF POLISTIREN



Any type of items
High cutting speed
Personally 4 people
Area 200m2
May work 24/24

PRODUCTION LINE OF POLISTIREN PANES



Example No. 1. 100 pcs / 8 hours.
Automation - automated
People - 2
The area - 70 m2

E-mail: didi.dumitru@alb-rebar.com
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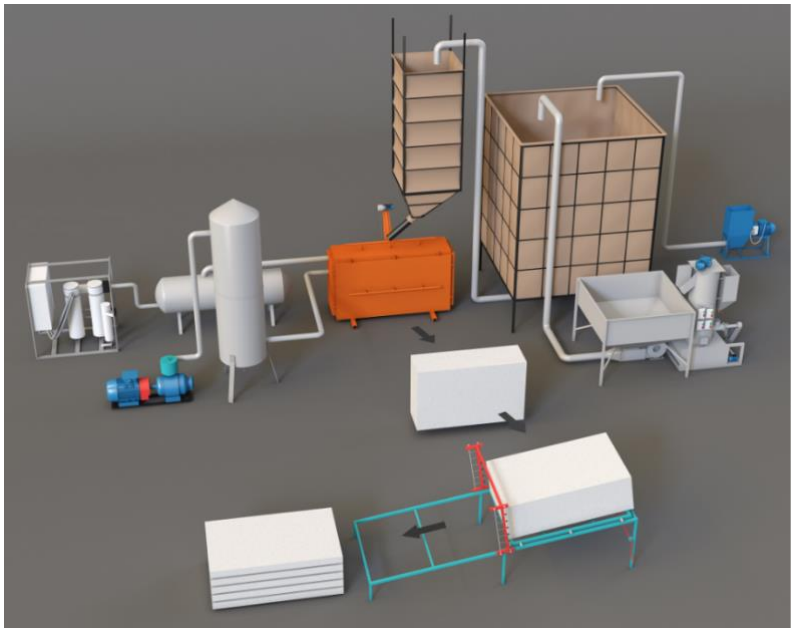
Production line of cubes and expanded polystyrene boards.

Our technology ensures a very high production capacity and automation degree.

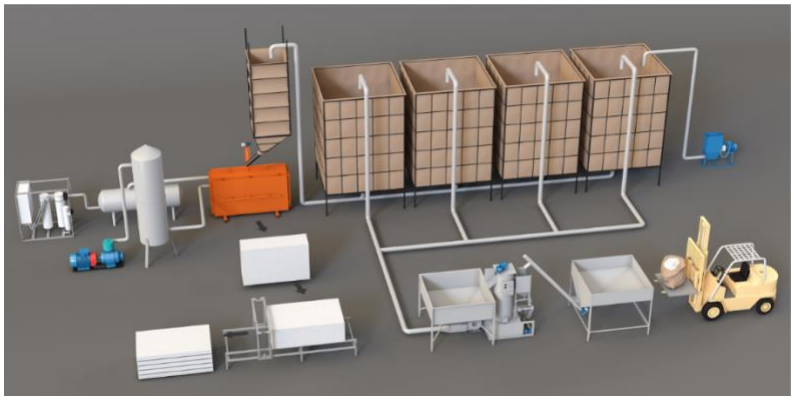
PRODUCTION LINE POLISTIREN EXPANDED 40M3

40 m3 / 8 hours.
Automation - Semi-automated
Minimum density - 11 kg / m3
People - 2
The area - 200 m2



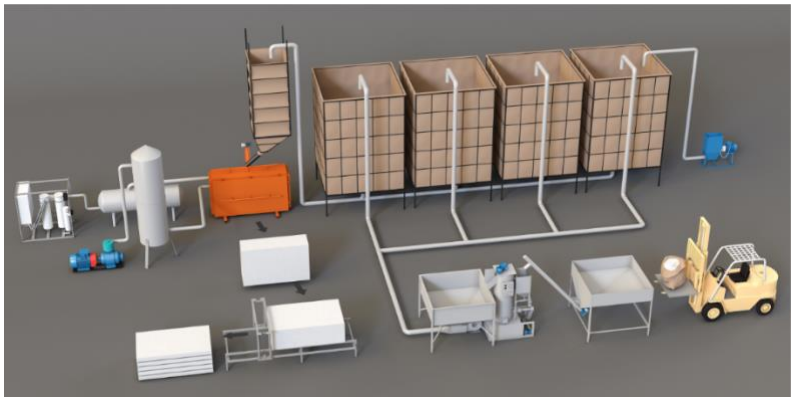
PRODUCTION LINE POLISTIREN EXPANDED 70M3

70 m3 / 8 hours.
Automation - automated
Minimum density - 11 kg / m3
People - 3
The area - 200 m2



PRODUCTION LINE POLISTIREN EXPANDED 140M3

Example No. 3: 140 m3 / 8 hours.
Automation - automated
Minimum density - 11 kg / m3
People - 6
The area - 400 m2



E-mail: didi.dumitru@alb-rebar.com
RO: (+40) 0720587788

Composite light fixtures.

Lighting poles made of composite materials have unique properties:

- Resistance to chemical agents and non-corrosive;
- Increased security. Composite pillars do not lead to electric current because they do not contain metal. They do not need grounding to avoid electrical shocks. Pillars do not cause damage to motor vehicles and most important passengers in case of impact;
- Low weight. The composite pillars are lightest. A ten meter high pole weighs just over forty pounds. The transport / installation / inspection / disassembly process becomes extremely mild. In order to install a pillar, it is enough to force two people who do not need the services of a crane that brings a drastic reduction in costs and time;
- Durability. Composite pillars have a lifespan of more than 30 years, but according to data and research, this figure may be two or even three times higher;
- Reduced operating costs. Supports do not require regular maintenance work;
- Ecological compatibility. The pillars are made of safe materials for the protection of the environment;
- High elasticity. The composite pillars are flexible, easily tolerate strong gusts of wind and frost, and remain in their original shape at all times.

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RO: (+40) 0720587788

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BCU and dry mixtures.

Light Cellular Concrete (BCU) is an artificial building material, resulting from the blending of a particular mortar with an ionized foam, prepared according to a special manufacturing technology. Unlike BCA, BCU is a "cold" hardening material without autoclaving, which greatly reduces production costs and electricity consumption. It is used for masonry work or for direct casting on site.

Dry plaster mixtures.

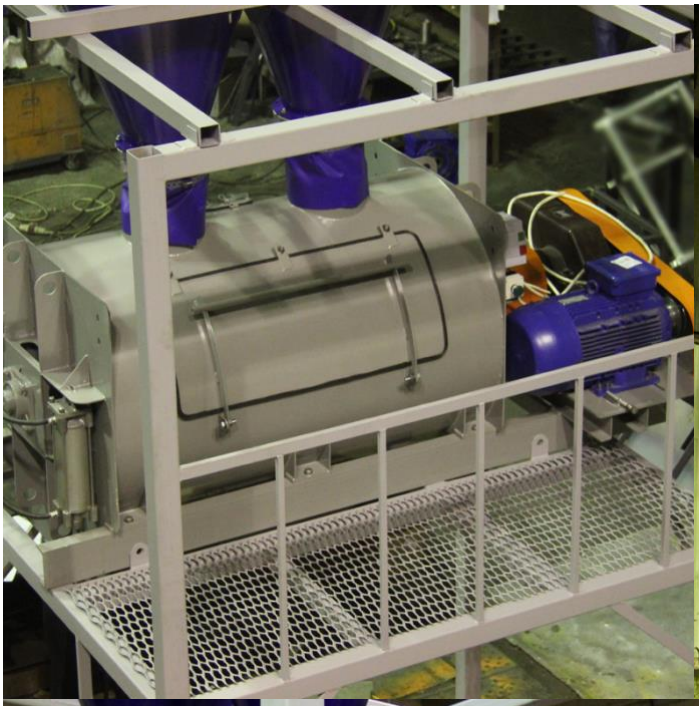
Dry cement-based mixtures.

E-mail: didi.dumitru@alb-rebar.com
RO: (+40) 0720587788

Machinery for the production of dry mixes.

Line for the production of dry mixes has a rather complex technical structure, ranging from production requirements and volumes and also depending on the manufacturer. The use of high-performance equipment gives us ideal blends.

Mixer with raw material dispenser.




E-mail: didi.dumitru@alb-rebar.com
RO: (+40) 0720587788

Factories and mixers for the production of mild cellular mortars and blocks.

- Automated factory for production and pumping of cellular concrete in a volume of 40 m3 in 8 hours.

- Lightweight cellular concrete mixer with built-in foam generator.

- Mobile plant for the production and pumping of lightweight cellular concrete.

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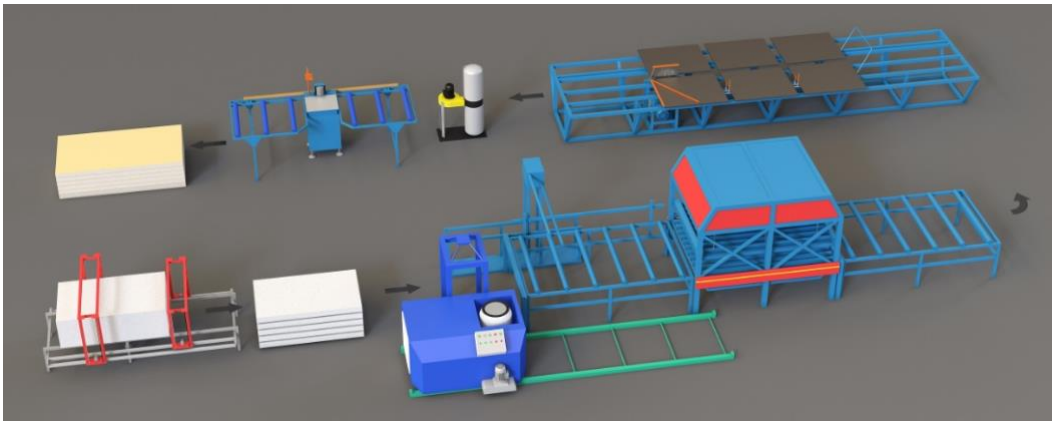
Production line SIP panels.

- Automated production line for SIP panels
-



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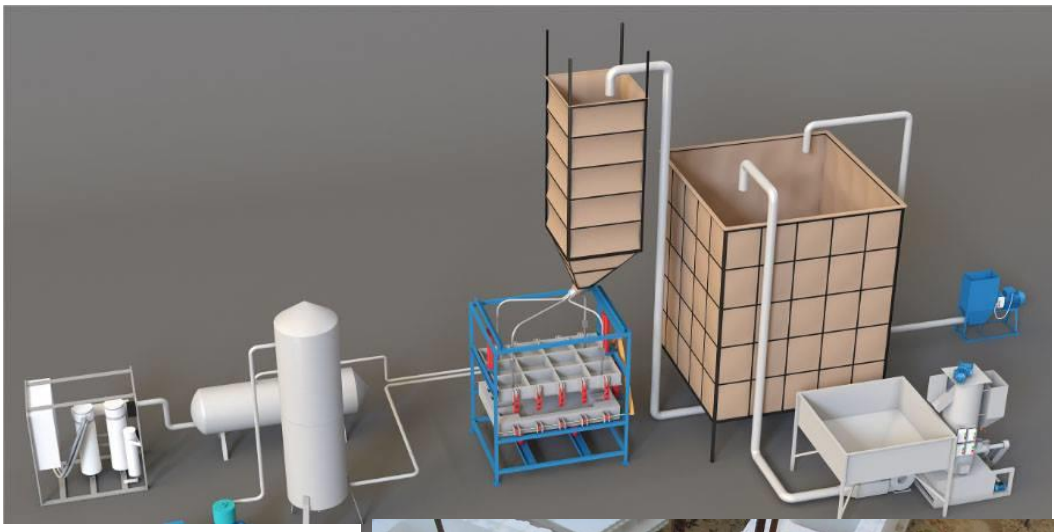
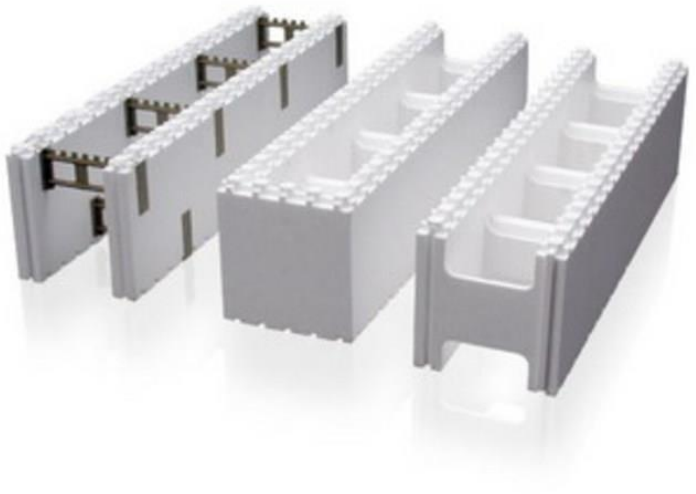
RO: (+40) 0720587788

Automated production line for SIP panels.

EXAMPLE OF
AUTOMATIC LINE

Casting method
230 moldings in 8 hours
2 types of formwork
Personally 2 people
Surface 100 m2





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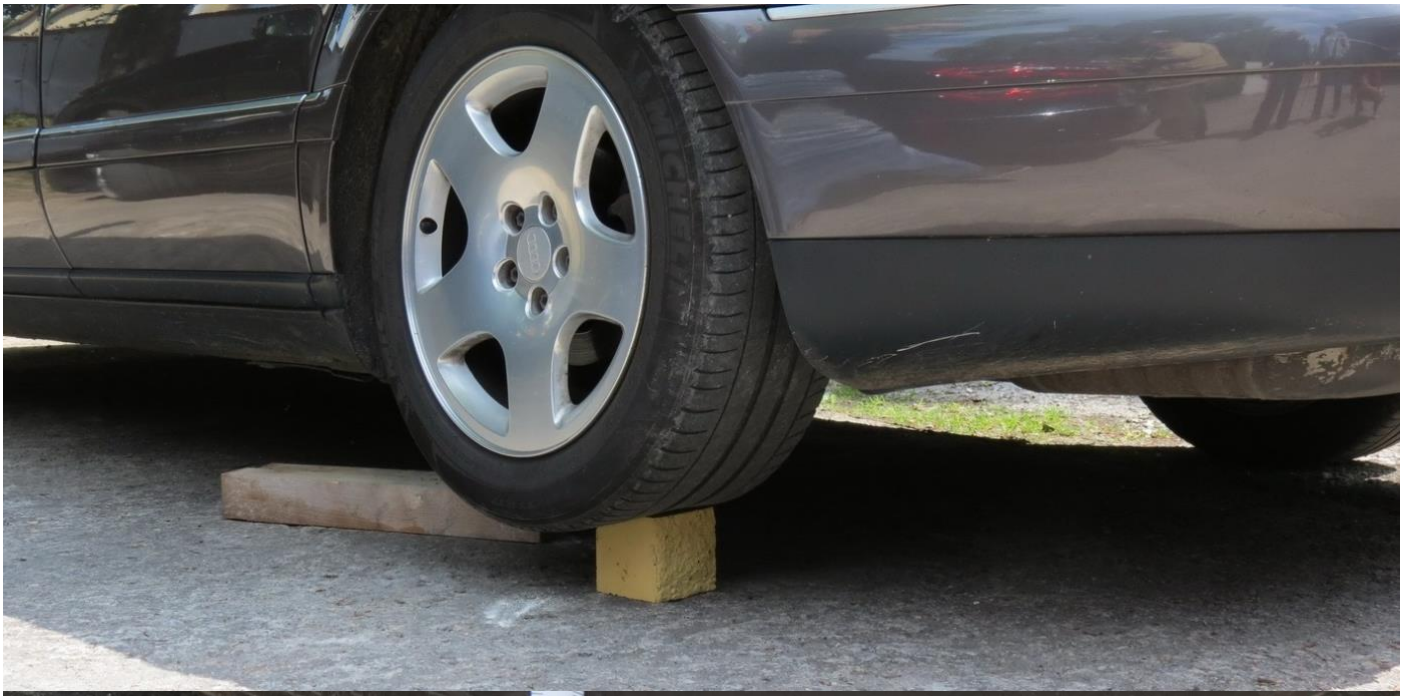
RO: (+40) 0720587788

Processed product

Nano Concrete - concrete with a high resistance to the applied physical force on it and a higher resistance to frost - thaw.

In the picture we can see the strength of a polystyrene cube covered with Nano concrete mortar.



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RO: (+40) 0720587788

Repairing pipelines by means of shredding

It is a method of renovating corrosion-resistant pipes that have undergone corrosion and are at the limit of operation. The process involves the cleaning of rust pipes, the application of a protective liner, a shroud composed of synthetic materials, glass fiber impregnated with polymers.