

isoTex

GROUP
Materace izolacyjne

MANUFACTURER OF THERMAL INSULATION

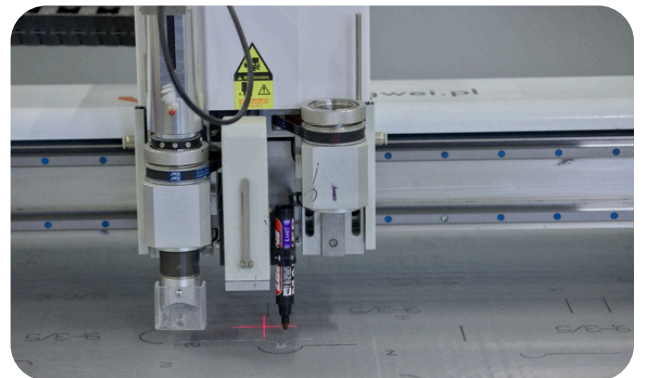


COMPREHENSIVE SERVICE

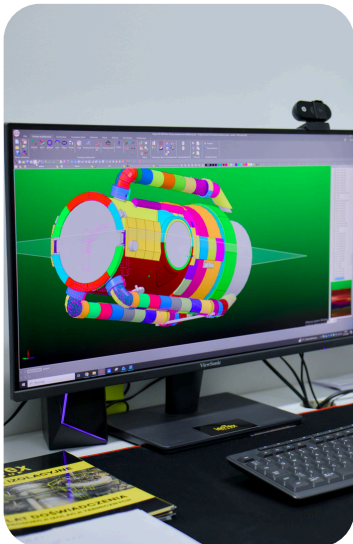
- Measurements
- Custom design
- Selection of appropriate components
- Production
- Assembly

Over 20 years of experience in the production of thermal insulation

We specialize in the production of insulating mattresses. Our offerings include a wide range of thermal insulation products used anywhere exposed to high temperatures, limiting heat flow and loss. Our production includes thermal insulation mattresses used as thermal insulation for all types of engines, machines, equipment, industrial installations, turbines, and valves.



We offer comprehensive thermal insulation services: from measurement, through custom design, production, and installation.



Each order is individually tailored to the customer's needs and requirements. The shape, size, thickness, and installation methods of all covers and mattresses are selected based on the technical and design specifications provided by the client, as well as their personal preferences, while maintaining high standards.

Benefits

of using insulating mattresses

Safety: Made of non-flammable materials, they provide protection against external factors (preventing burns).

Economy/ecology - properly installed insulation saves thermal energy; they do not generate additional operating costs and waste as in the case of traditional solutions (e.g. disposal of dismantled insulation - cover sheets), they are reusable.

Flexibility: The mattresses are flexible and adhere perfectly to the insulated surface. Various mounting methods (including Velcro, hooks, and straps) and the optimal insulation thickness allow for use in hard-to-reach areas.

Efficiency: The appropriate selection of raw materials ensures optimal insulation; the mattresses have the same insulating properties as traditional insulation.

We offer:

- Insulation mattresses for turbines
- Insulation mattresses for industrial engines
- Insulation mattresses for machinery and equipment
- Insulation mattresses for installations and fittings
- Fireproof insulation mattresses
- Industrial filters
- Insulation of all types that reduce heat flow and loss

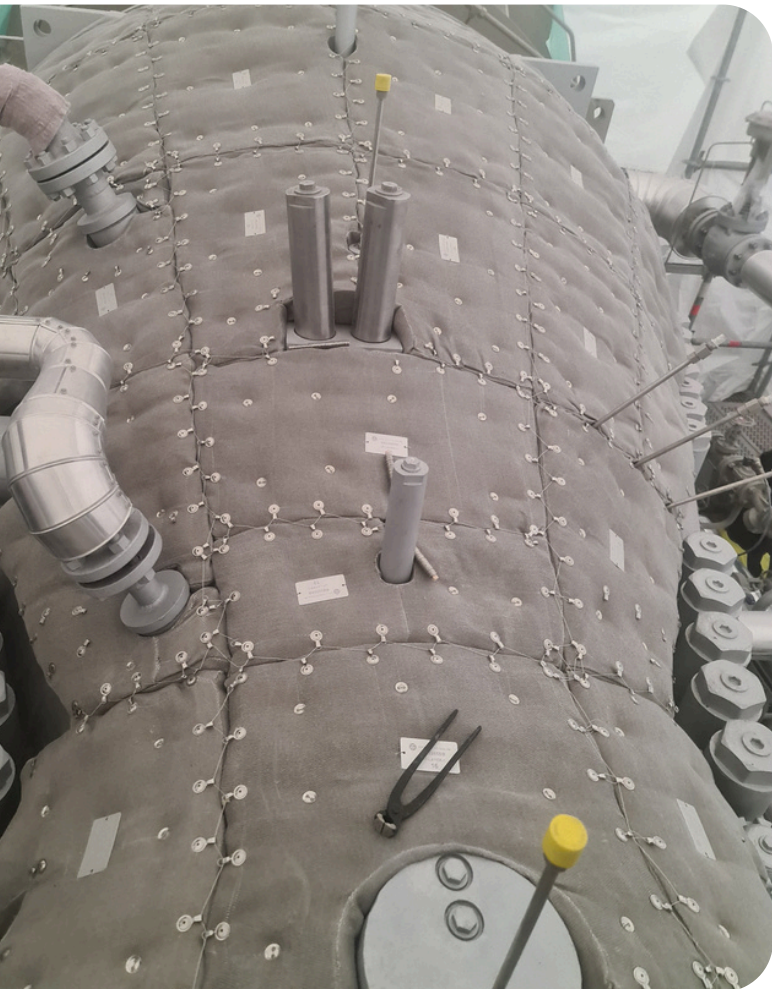
Our products have been used for years in Poland, Europe (including Germany, Austria, Switzerland), and worldwide (including the United States and Israel).



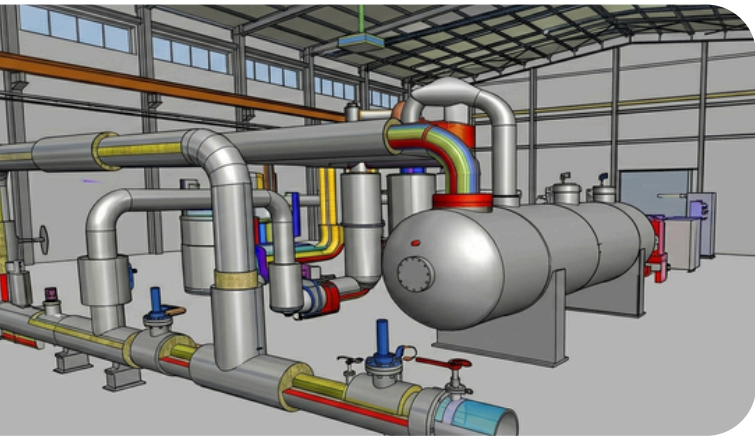
Technology

The method of insulating energy turbines and heating pipelines, based on the production of reusable thermal insulation mats, makes this technology renewable, dry, and environmentally friendly. These mats are easy to install and dismantle. They do not require a supporting structure, cement mortar coating, drying, painting, or sheet metal coverings.

These technical textiles are made entirely of non-flammable glass fibers, toxic-free (even at high temperatures). The fabrics do not contain any environmentally harmful substances and comply with material safety management, fire safety requirements, and meet building material class A1. They are coated with aluminum foil, silicone, or Teflon, among other materials. We offer the latest technologies, characterized by reusability and high temperature resistance.



Design Office



The isoTex design office is a key element in the industrial insulation process. This is where all technical designs are developed, which are then submitted for production and assembly.

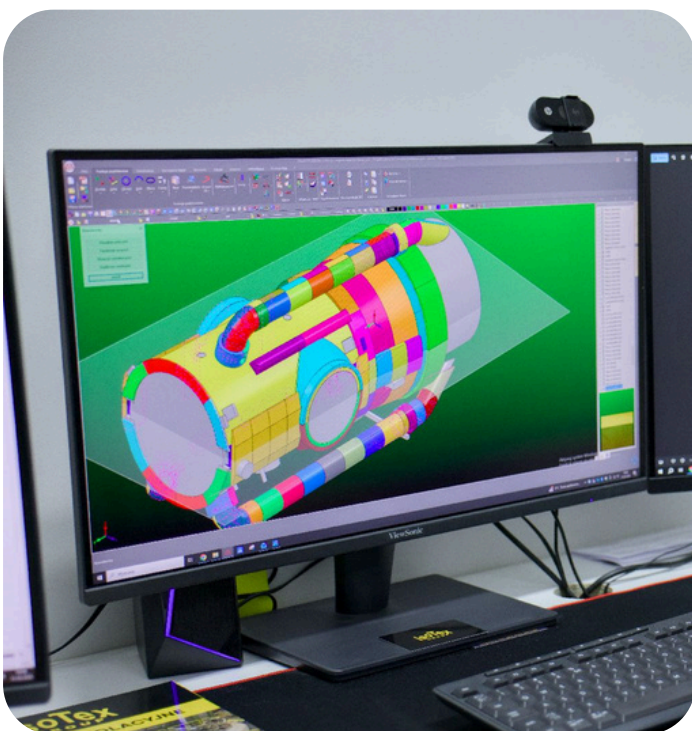
Each solution is developed individually – taking into account the installation's operating conditions, temperature, device geometry and customer requirements.

Design in a CAD environment

The design process is carried out in advanced CAD systems, allowing for precise representation of even the most complex elements of industrial installations.

3D models and technical documentation are used in the work, enabling:

- precise matching of insulation to devices and pipelines,
- spatial analysis of assembly,
- elimination of structural clashes,
- and
- optimization of material consumption.



Production and sewing

The isoTex production and sewing department is where technical designs are transformed into finished insulation systems. Thanks to the combination of modern technological resources and the team's experience, even the most demanding projects can be precisely executed.

Each production stage is based on documentation prepared by the design office, ensuring full compliance of the product with the technical specifications.

Industrial Insulation Production

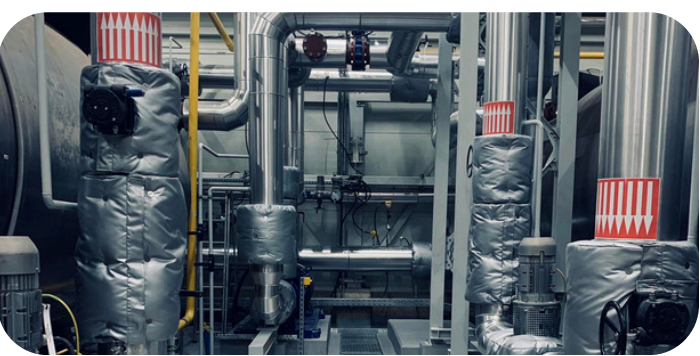
The production process includes the production of insulation tailored to specific equipment, installations, and operating conditions.

- Our production includes:
- reusable insulating mattresses,
- pipeline and fitting insulation,
- thermal insulation covers for industrial equipment,
- high-temperature insulation.

Each component is individually manufactured, without the use of standard solutions, allowing for full customization to the geometry and parameters of the installation.



Industrial Insulation



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