

Solutions for the HVAC industry



Strong commitment to the areas within the HVAC industry

As a customer of DAFA, you can expect particular expertise within the HVAC area. This is a result of DAFA's many years of collaboration with a number of different HVAC businesses, where we have gathered experience and knowledge within following areas:

Ventilation

Air-conditioning

Cooling

Dehumidifiers

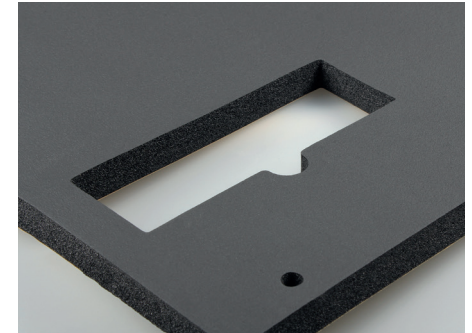
Climate cabinets

Heat pumps

Wide range that provides a foundation for individual products

Thermal insulation

DAFA has a wide range of products tailored to solve tasks related to thermal insulation. The products are designed to meet technical requirements and standards within the HVAC industry, with closed cell structure and low water absorption. Our range also includes products that serve as gaskets with very low permanent deformation.



Sound insulation

DAFA has an extensive program of materials and products for sound insulation and noise reduction, along with related documentation:

DAFA Sound ABS

- for absorption of airborne noise.

DAFA Sound ISO

- for insulating or reflecting noise.

DAFA Sound Blocker

- for vibrational and structural sound damping.

DAFA Sound Combi

- a combination of materials which dampens many different kinds of sound.

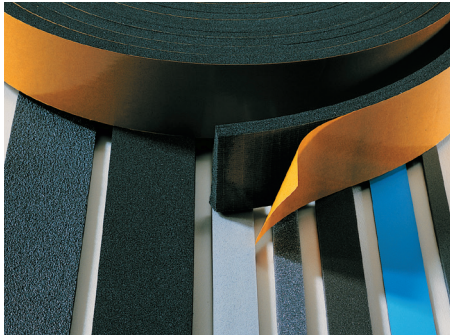


Gaskets

Sealing of complete systems is crucial for the performance. DAFA offers a broad range of customized gaskets and FIPFG - Formed In Place Foamed Gaskets - from a wide range of polymer materials.

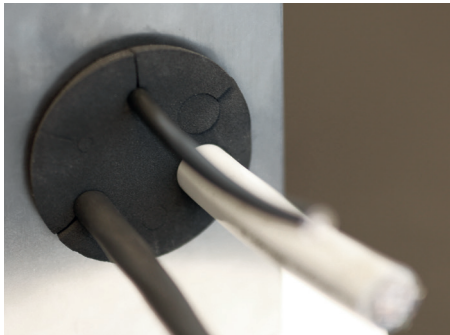


- in any polymer material...



Sealing strips

DAFA strips are used in many different applications. For example it serves as sealing of doors, sealing between different parts of the internal construction or as gap fillers. Our wide range of materials and adhesives can be customized to meet your specific demands.



Cable seals

Flexible cable seals make it possible to install a complete cable harness with connectors and plugs already in place

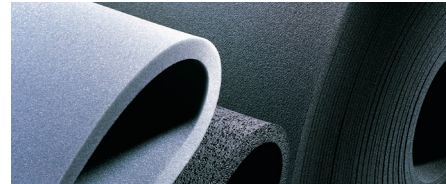


This saves extensive time both during assembly, and when performing service of your system.

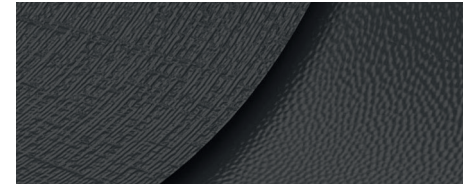


Pipe collars

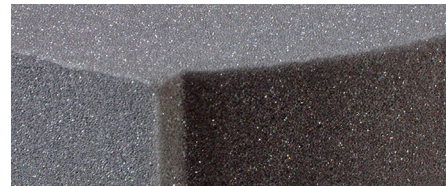
DAFAs range of universal pipe collars ensures a flexible seal suitable for all common pipe dimensions. Assembly is simple and quick and does not require any special tools, glue or sealing.



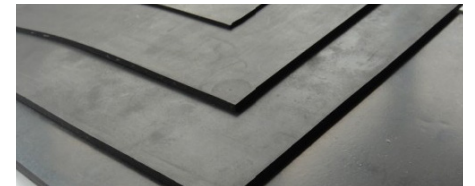
Polyethylene foam



PVC foam



Polyurethane foam



Solid rubber



Extruded profiles



Cellular rubber



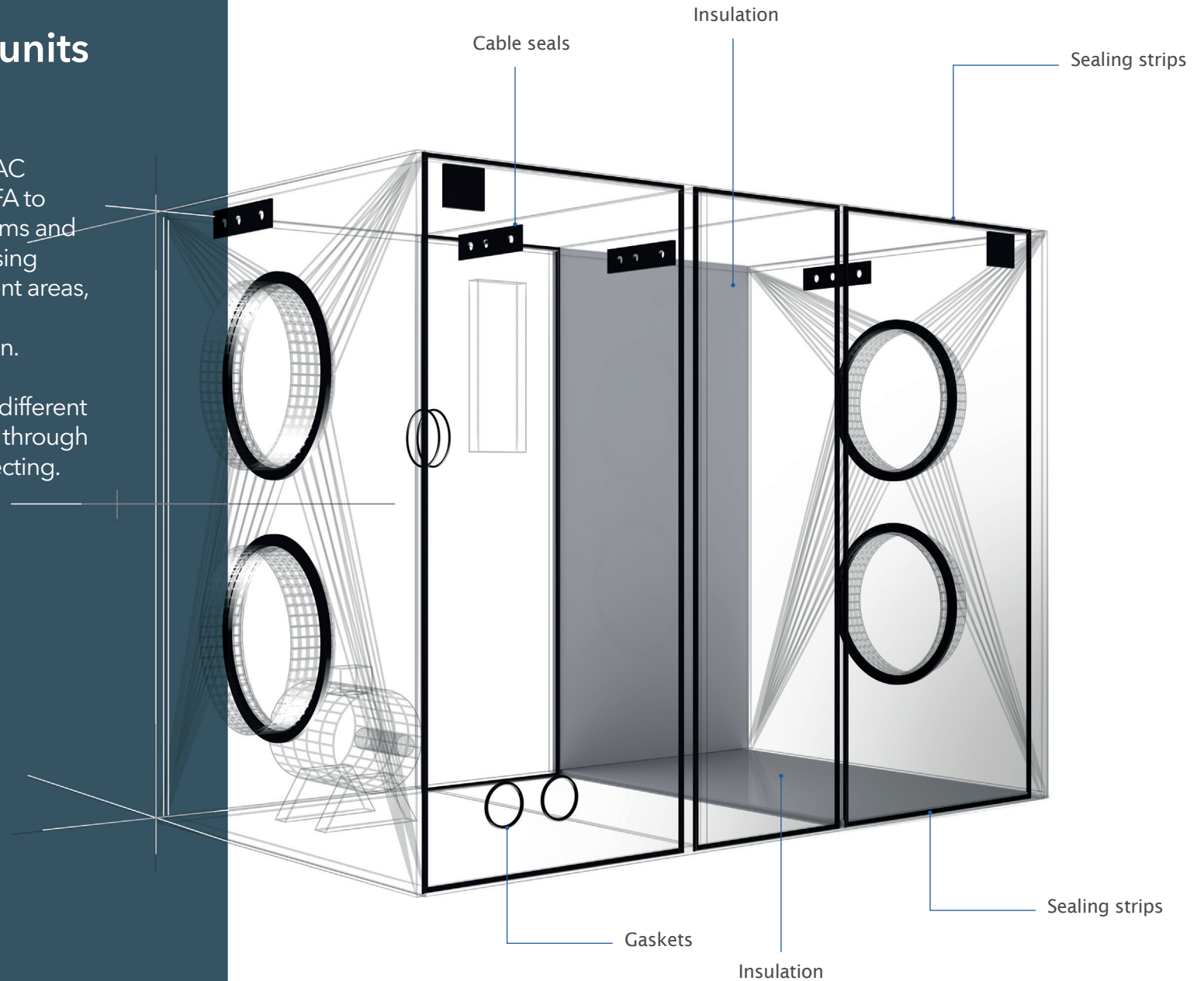
Other materials

- on your request..!

Optimized solutions for all units and systems

As a company within the HVAC industry, you can expect DAFA to help you optimize your systems and units in order to meet increasing requirements in many different areas, such as: efficiency, fire safety, hygiene and noise absorption.

Here are some examples of different solutions which DAFA solves through sealing, absorbing and protecting.



Safe solutions with optimal Performance



Cable seals

Flexible and customized cable seals, is an easy and simple way to seal around the cables and make it airtight. By using our product, it is possible to mount a complete cable harness with plugs attached. This saves time in production, or if service or repairs are required, as there is no need for reassembling plugs.



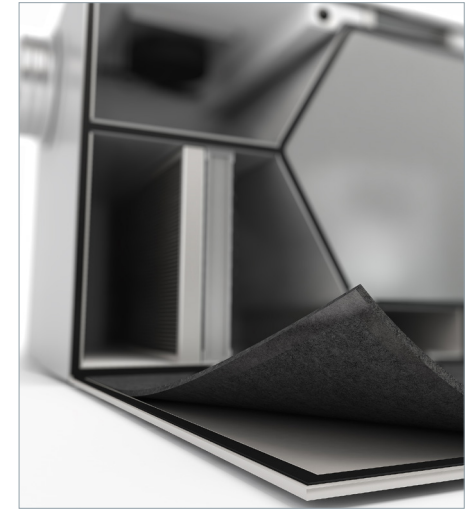
Sealing strips

DAFA sealing strips are produced from a wide range of polymer materials in customized dimensions. The choice of material is based on the specific requirements for every unique application.



Gaskets

Gaskets are important to ensure an airtight unit with high efficiency. In our production we are able to produce parts in any shape or size from a wide selection of polymer materials, with or without adhesive. Our own R&D department are able to help you with design and construction.



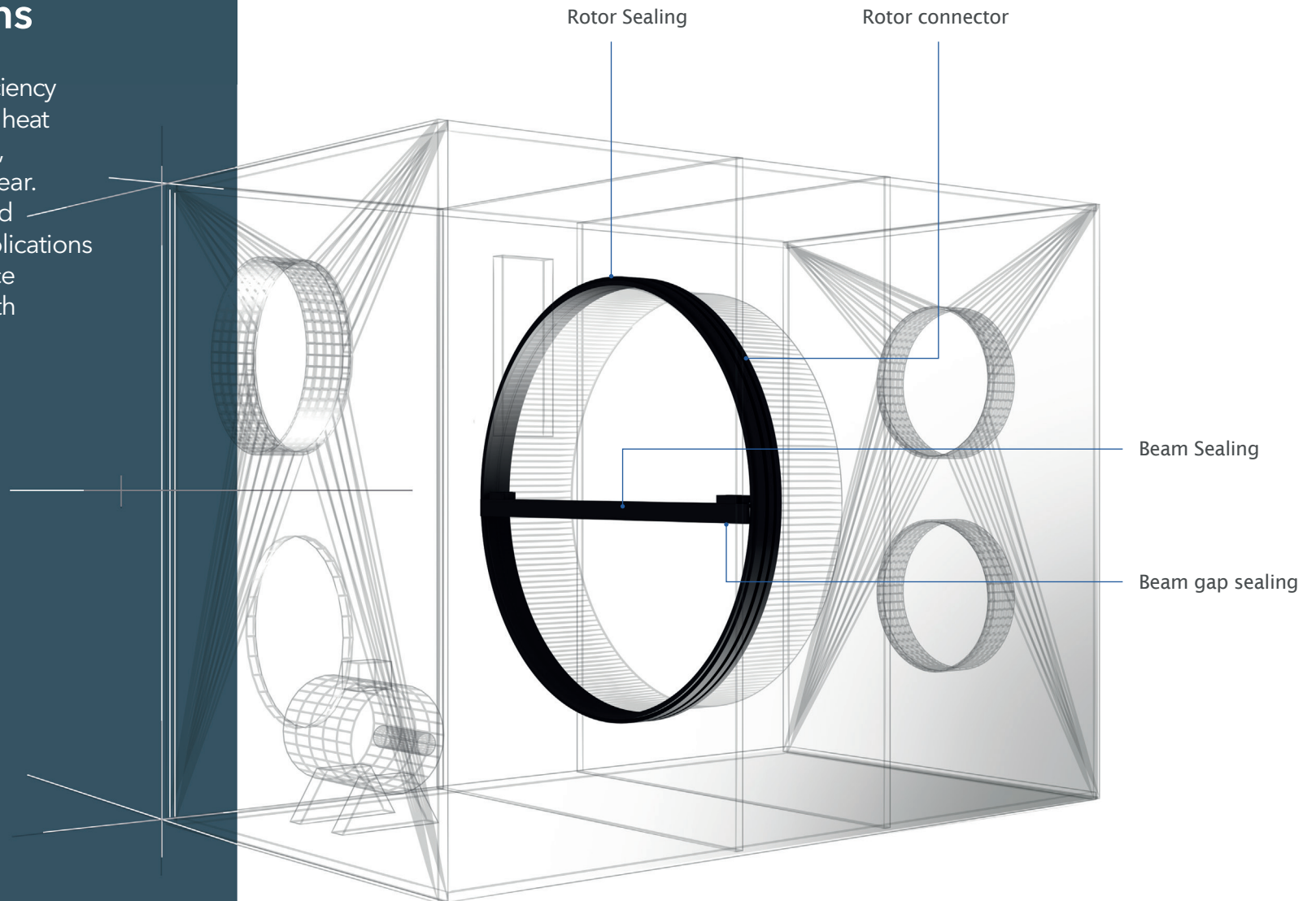
Thermal insulation

Thermal insulation to avoid condensation is crucial to system efficiency. We have solutions that meet the requirements regarding fire resistance, cleaning and low water absorption.

DAFA RotaSeal® for efficient solutions

With DAFA RotaSeal® the efficiency of HVAC units using a rotating heat exchange system is optimized, preventing airleakage and wear. DAFA RotaSeal® is developed specifically for the HVAC applications using high abrasion resistance materials and is designed with integrated sealing lips.

- Energy optimization
- Superior sealing
- Increased durability
- Extended product life time



Rotor sealing



Rotor sealing connector



Beam sealing
- straight and angled



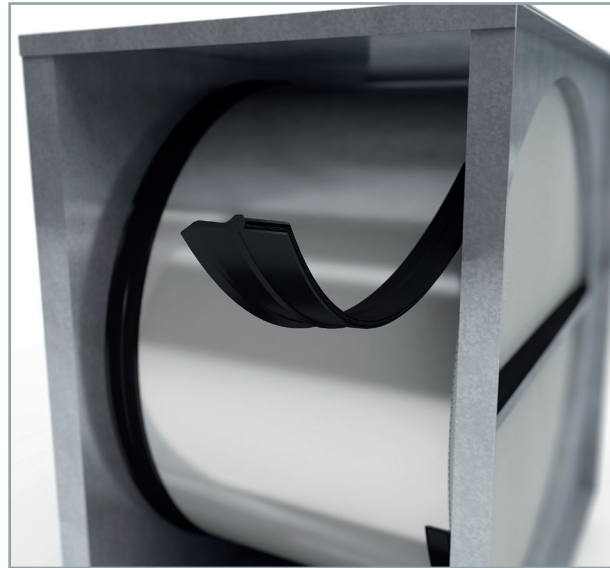
Beam gap sealing



Center sealing kit

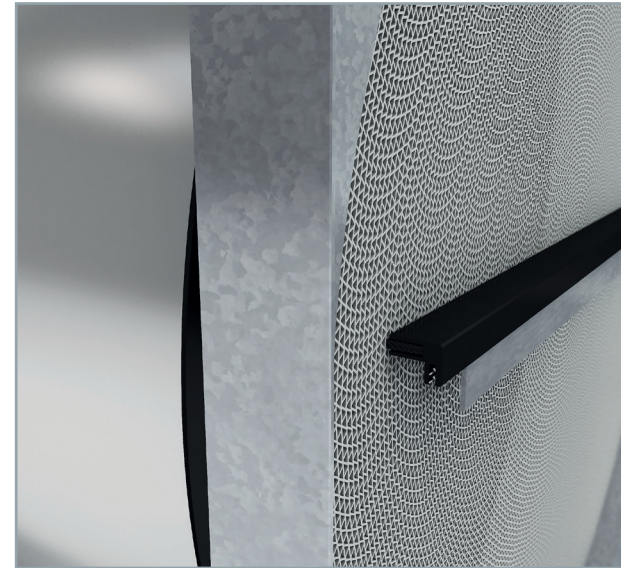


Safe solutions with optimal Performance



Rotor sealing

The sealing is designed for the rotor and is available in various dimensions. The upper and lower lips seals the airflow, and the brushes - made of Polyamide - reduces friction against the casing and has a high abrasion resistance.



Beam seal

This seal is designed for the rotor/center-beam application, and are available in various dimensions. The combination of lips and brushes of Polyamide, seals the airflow with minimum friction against the rotor surface.

Meeting requirements of documentation for every solution

DAFA HVAC is a complete concept that reflects DAFA's overall expertise as a partner for companies that develop and manufacture ventilation, heat pumps, cooling and heating systems. There is a strength behind our skills, that combined form a complete foundation for optimising products and manufacturing processes through sealing, absorbing and protecting.

In many cases products and solutions require documentation of performance and test results. For this reason, DAFA makes its expertise available to ensure optimal documentation.

Valuable expertise ensures close relationships



Indoor climate and energy

The demands for indoor climate and energy consumption are constantly increasing. We are well aware of these challenges, and use our extensive knowledge to develop and adapt products in order to optimize your units and systems.



Noise and damping

As a DAFA customer, you can draw on a mass of valuable knowledge regarding the properties and capacities of our products in relation to sound. DAFA's knowledge of sound and damping contributes to HVAC solutions that guarantee convincing advantages.



Fire safety

The challenges in relation to fire requirements for products that form part of HVAC solutions can be huge. DAFA ensures the necessary fire documentation for foam, plastic or rubber products, so they comply with the fire requirements.



Chemistry

Which liquids can affect specific products and materials? DAFA offers our expertise in connection with clarification of chemical requirements for HVAC solutions.



Production processes and assembly

In many cases, DAFA contributes to optimize our customer's production process. By discussing challenges faced during assembly and maintenance, our solutions in design and choice of materials can simplify the overall process - saving time and optimizing costs.

DAFA hygienic materials

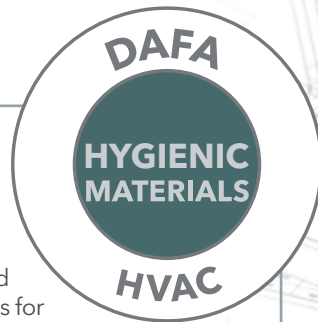


For a healthy indoor environment

Avoid fungus, bacteria and odors in your system. By using VDI 6022 guidelines for construction and optimization, you will achieve a high standard of hygiene and health safety.

VDI 6022 is continuously under development, and the latest review from 2011 has set even higher demands and requirements for materials used in air handling areas.

DAFA has materials that fulfill the requirements according to the latest review, and we constantly put new materials and solutions into test to expand our product range.



VDI 6022

The VDI (Verein Deutscher Ingenieure) is the German Association of engineers.

Their guideline VDI 6022 "Ventilation and indoor-air quality - Hygiene requirements for ventilation and air-conditioning systems and units", contains the requirements for HVAC systems regarding design, manufacture, execution, operation and maintenance, which are useful and necessary to ensure hygienic operation for peoples protection.

Mikrobiologi and ISO 846

The ISO 846 test is an important part of the VDI 6022 guidelines. The test determines and evaluates the material's resistance to fungi and bacteria.

DAFA has also materials that fulfill this ISO 846 test, which can be use in areas outside the airflow.



DAFA has extensive knowledge of VDI 6022 requirements. We constantly strive to find new materials suitable to VDI 6022.

Our staff collaborates with some of the best experts within VDI and is able to assist and advise our customers in choosing the right material and solutions.





Strong Research & Development

DAFA's Research & Development department is highly focused on product development and optimization in close collaboration with our customers.

We have years of know-how and experience, and we always base our solutions and advice on the latest technology and knowledge in the field.

In close cooperation with the production team, our team of engineers strives to find the best possible solution for your application, whether that means upgrading existing solutions or developing new ones.

State of the art production machinery ensures competitive solutions

DAFA has a state of the art industrial manufacturing equipment, consisting of the newest and most advanced robotic machines and processes. This ensures that

DAFA provides competitive solutions that are appealing to industrial manufacturers. Our flexibility allows us to adapt capacity according to current demands of the market and our customers.

- Foam block splitting
- Lamination / adhesive backing
- Die cutting
- Kiss-cutting
- Vertical & horizontal cutting
- Roll cutting
- Water Jet
- Laser cutting
- CNC Milling
- Rubber moulding
- FIPFG (Formed In Place Foam Gasket)

We continuously expand our stock of hi-tech machinery so that we are always ready to meet our customers' constantly increasing demands for quality, efficiency and documentation.



DAFA

About us

DAFA was founded in Denmark in 1939.

We are specialists in development and production of foam, rubber and adhesive solutions such as gaskets, sealing tape and sound insulation. Our products benefit customers in construction, manufacturing and the wind turbine industry.

After establishment and acquisition of subsidiaries abroad, the DAFA Group now has more than 350 employees across three continents and eight countries, with production in Denmark, Italy, Poland and China. DAFA's headquarters are located in Aarhus, Denmark.

Mission: DAFA offers sustainable, long-lasting solutions which seal, absorb and protect. Our goal is for our customers to experience added value by collaborating with DAFA.



Who we are

Making small invisible changes with a big impact...

At DAFA, we seal, we absorb, and we protect.

With a passion for foam and rubber, we are specialized in making small invisible changes with a big impact. We seal cold air from hot air - and absorb sound to create silence. We dampen vibrations, and we protect objects against shocks and damage. And while our products may seem unnoticeable, they are always irreplaceable.

It all started in 1939 in Denmark.

What began as an entrepreneurial family business producing sealing strips of bronze has today expanded into an international operation - manufacturing the unimaginable across three continents. We cut, we print, and we innovate new solutions. From small nose pads for face masks to protecting large wind turbine blades during transportation, we combine cutting-edge production equipment with great engineering skills and know-how to develop solutions geared to the demands of the future.

But it all begins with our people.

Engineers, operators, or quality controllers. At DAFA, everyone is a master of their craft, united into a culture like a family. Our ambitions are global, but our values are practical and local.

World-class solutions driven by our passion for innovation and sustainability.

Like our products, being visible to the world is not the most important for us. We simply care about being good at what we do and the difference we can make. We go to work every day to earn the trust of each other and our customers - together shaping the future of manufacturing by pushing the industry standards for quality and more sustainability.

We want our 'invisible' products to bring a noticeable impact and make DAFA the best in the world at what we do. Seal, absorb, and protect. One innovative solution at a time.



* Applies to: DAFA A/S, DAFA Sverige AB, DAFA Deutschland GmbH, DAFA Sealing Technology (Tianjin) Co., Ltd., DAFA US Inc., DAFA Polska sp. z o.o.

** Applies to: DAFA A/S, DAFA Sverige AB, DAFA Deutschland GmbH, DAFA Sealing Technology (Tianjin) Co., Ltd., DAFA US Inc.



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