



Your partner for
particle foam processing
in the centre of Europe



OUR PRODUCTS AND SERVICES

FoamaTec can provide individual solutions, in addition to our standard products, for all our customers in the particle foam industry.



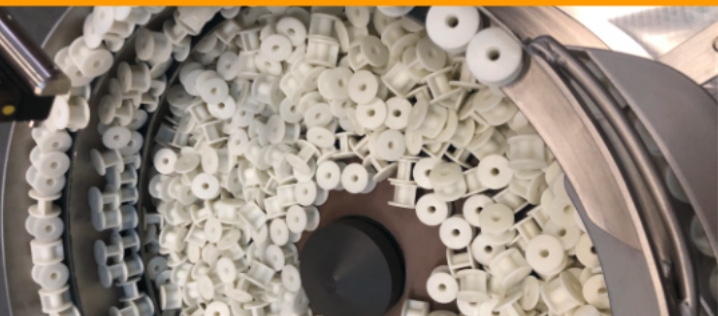


OUR OBJECTIVES

We consider ourselves to be a reliable partner who can solve the tasks which our customers ask us to perform in an uncomplicated and professional manner. Our versatility enables us to develop and supply special solutions as well as the standard products which one expects. Our goal is to manufacture high-performance products which always provide optimum efficiency for our customers.

OUR VISION

Sustainability and emission pollution in the course of the discussion about climate change is a serious problem which must be faced. Everyone should feel obliged to make their contribution to this issue. We always strive to develop products and processes which demonstrate the highest-possible energy efficiency and effectiveness.



OUR VALUES

Our corporate goal is aligned to achieve sustainable and long-term success, with the associated responsibility for the environment and our social surroundings.

COLLABORATION WITH OUR SUPPLIERS

We concentrate on maintaining partnerships with our suppliers which are based on long-term collaboration. Adaptability and delivery reliability are of great importance for us.



PROFILE

The name of FoamaTec represents competent service and high quality products for particle foam production.

The team at our company develop, design and produce solutions for and with our customers. A rapid and uncomplicated service performance characterises our company.



MOULDED PART PRODUCTION

We provide moderate solutions for the production of EPP and EPS moulded products. We can supply not only individual production components (e.g. moulding machines) but also complete production lines. Our versatile organisation process enables us to implement standard products as well as customer-specific requests or product-specific solutions. The objective is therefore to always provide our customers with an optimal moulded part production.

- Moulding machinery
- Pre-foaming plants
- Silo systems
- Vacuum systems
- Recycling systems
- Pressure loading systems
- Logistic solutions
(stacking, sorting, bundling, adhering ...)



MOULDING MACHINERY

For processing EPS and EPP in all commercially available mould sizes. FoamaTec manufactures the product line [K] and [E], both with hydraulic drive unit as well as in an electric drive version. Dependent on the dimensions and pressure.

In general, we always strive to provide system solutions, whereby the moulding machine forms the basis for the system. Depending on the task involved, a fully automated solution can subsequently be created which produces not only simple moulded parts but also complex composite parts. For example, the screwing in retention points or foaming in wooden strips.





PRE-FOAMING PLANTS

For material preparation for EPS and EPP in the vacuum drying variant or with a fluidised bed drying variant. FoamaTec manufactures pre-foaming plants in various dimensions, generally always with low expansion equipment. They can also be optionally supplied with bulk density control, secondary foaming equipment (gravimetric or volumetric), pressure vessels for the pre-foaming of EPP, hopper systems and raw material feeding. An almost unattended, fully automatic operation can be achieved in combination with silo automation and hopper system.

SILO SYSTEMS

Customised silos designed to fulfil spatial and product-specific requirements. FoamaTec equips everything one requires from individual silos to complex systems for indoor applications and outdoor use. Also, as fully automated systems including pre-foaming units with automatic recipe and raw material switching.



VACUUM SYSTEMS

Standard vacuum units as an extension of the vacuum pipe as well as individual customer solutions can be manufactured by FoamaTec. Of course, individual solutions positioned directly on the moulding machine too. Classically equipped with a water pump but also energy-saving, with direction reversal of the pumps. All vacuum systems are generally delivered with a display.

RECYCLING SYSTEMS

FoamaTec collaborates with experienced partners for implementing recycling systems. Utilising networking for the individual modules and implementing targeted control technology therefore means that our systems can be used in an energy-saving and efficient manner. We not only construct plants for EPP but also for EPS production. In the future also with preparation of the milled material into beads.





PRESSURE LOADING SYSTEMS

FoamaTec can provide systems starting from single pressure loading tanks in stationary and mobile design for laboratory production and small batch production up to complex combination lines with automatic filling and machine allocation. All the tanks are normally equipped with an antistatic internal coating. Sight glasses and a convenient cleaning opening are included as standard features.

LOGISTICS SOLUTIONS

From transporting the parts from the machine, on to printing and bundling and up to, and including, optimally assembling packaging units, FoamaTec solves the tasks for its customers. Commercially available components are thereby combined with our own in-house, individual solutions. Self-propelled robots are also utilised in this process.



FoamaTec can deliver complete production lines based on our broad portfolio of tried and tested individual products. FoamaTec is additionally qualified to flexibly integrate customer-specific sub-tasks. All our products are normally equipped with branded components such as Festo, Parker, Schneider-Electric, GEMÜ.

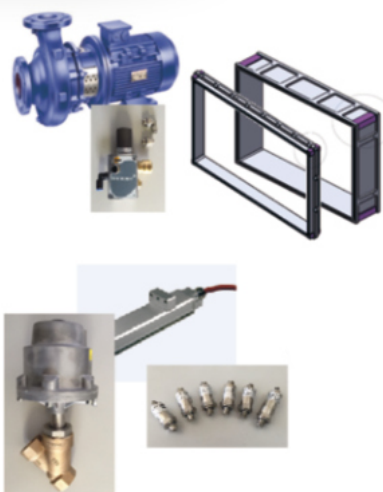


PRINTER SYSTEMS (CYMK)

The upgrading of products by utilising additional refinement offers our customers an advantage over other companies in the market place. In conjunction with its partner Topjet, FoamaTec provides solutions in the field of printing on foodstuff containers and transport crates.

Flexible multi-colour printing systems enable logos, bar codes and other labelling elements to be simply printed onto EPS products.





SPARE PARTS, ALTERNATIVE TECHNOLOGY, CUSTOMER SERVICE

Extensive warehouse inventories and flexible contact with our suppliers enable us to also supply spare parts for machinery and systems from other companies. You will find a large number of spare parts in our overview catalogue. Furthermore, you can enquire about components at any time by telephone or email.

Our comprehensive knowledge of the foaming process and the functioning of the equipment enables us to always provide "alternative technologies". This is always the case when the components are no longer available on the market. In such a situation, one can often produce the desired function with modern technology.

FoamTec naturally offers customer service lines for its own range and Akkaya products, but also for products from other manufacturers. We can assist our customers on the telephone, we provide service throughout Europe and we help with preventive maintenance work.



PRODUCTION ANALYSIS AND STAFF TRAINING COURSES

The world is in transition, alternative energy sources have to be developed and made available and, as long as that takes, energy still has to be saved!

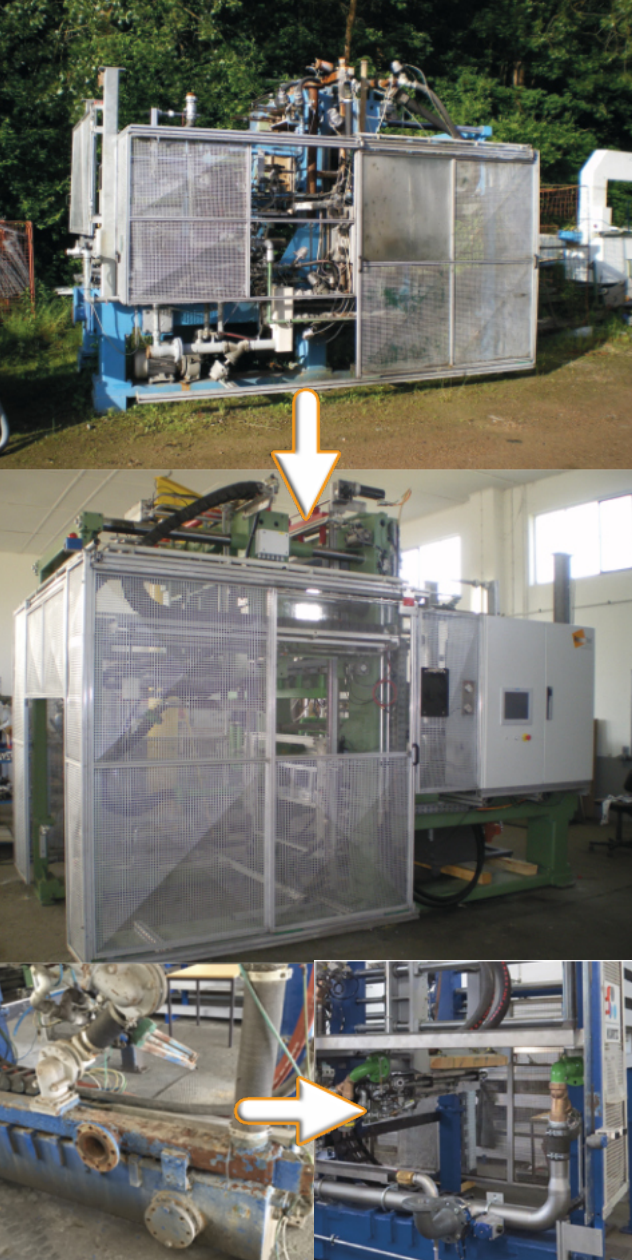
Locating weak points in production or media supply can save costs and increases productivity. Our claim is not to set up theoretical models in this case for how one can improve what. Rather more than just that, we analyse the production equipment directly, right down to the defective air hose on a machine.

Every single hole in a hose pipe, no matter how small, every superfluous pipe routing, every leak costs money and thereby pollutes the environment!

Qualifying the staff should be a high priority for every company. We support our customers in this respect by providing training and courses, individually tailored to the production facilities involved and the products of our customers.

Qualified staff is your best investment!





MODERNISATION AND PLANT UPGRADING

Solid steel constructions are often built to last forever. So why should they always be scrapped and rebuilt with high energy expenditure?

The problem with these plants is often the wear-intensive components such as controls systems hydraulics and pneumatics.

We can find solutions for our customers in such cases, which are an economical alternative to scrapping and buying new plants or systems. Investing reasonable costs can bring moulding machinery or a pre-foamer up to the latest state of the art, regardless of the manufacturer.

Plants and systems can be easily equipped with new functions during the course of a modernisation measure.

Retrofits and modifications, such as removal systems, film processes and feeding systems are also possible at the same time.

What remains old can now become new! This evaluation of the individual measures required will be coordinated individually and with the involvement of the customer.



TESTING DEVICES AND METROLOGY

We can provide a wide range of products in order to ensure a smooth production process, to safeguard product quality and to evaluate media consumption. We hereby draw on a wide spectrum of standard solutions to achieve this. However, we can also develop and create customised solutions.

The main focus in such cases is placed on the supply media, the means of production and, of course, the product itself.

The metrology and testing devices or equipment which we can provide ensures continuous recording and monitoring of the media (steam, air, water and vacuum), which therefore evaluates the consumption, load behaviour and critical limits. Results are measured, reported and logged.

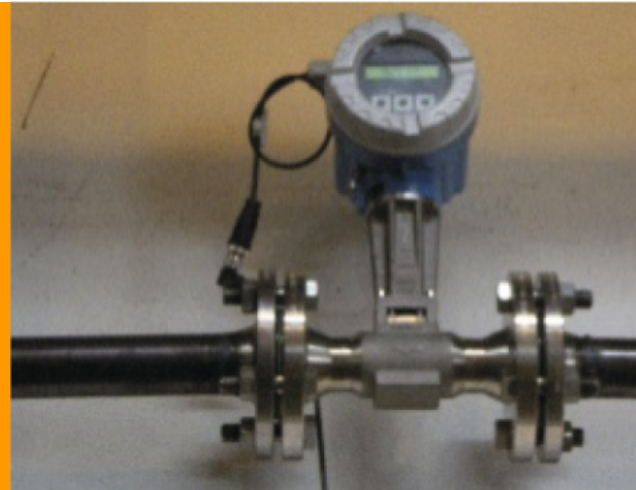
Production resources:

Constant, ongoing control for the production

resources (e.g. injectors, sensors and actuators) ensures smooth production.

Product:

Controlling the weight, welding and dimension is intended to ensure quality and verifiability for the end customer, but also for the backward control of the process.





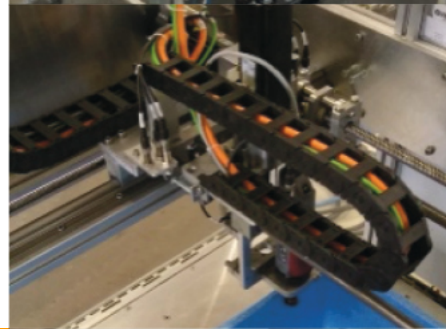
SPECIAL SOLUTIONS AND SUPPLEMENTARY PRODUCTION SYSTEMS

One of FoamaTec's main focuses is automation. When this is subsequently coupled with our experience in the field of particle foam production, then this enables us to fulfil our customers' requirements in an uncomplicated and flexible manner.

There are a variety of automation tasks which we can solve for our customers in the particle foam production environment.

Some projects are listed here:

- Cutting to size or contour cutting for EPP / EPS products
- Semi-automatic screwing of dowels into EPP mouldings
- Volumetric filling stations for bulk materials (beads)
- Laboratory machinery and small moulding machinery
- Adhering or laminating mouldings with other materials
- Big bag emptying
- Pump control systems for water and condensate
- ...



WE ALWAYS FIND A SOLUTION
FOR OUR CUSTOMERS!

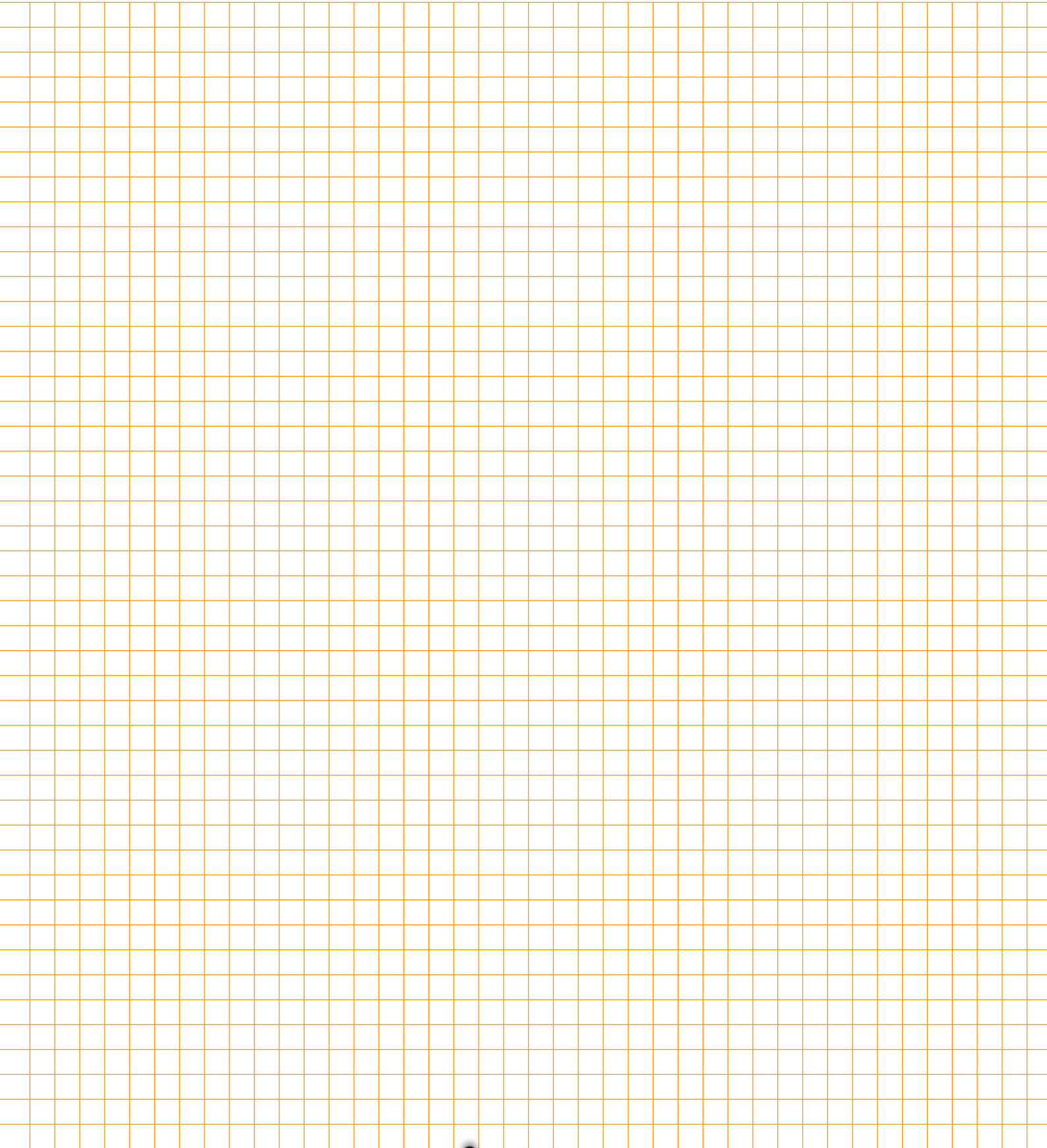
FoamaTec®

**EPS-EPP
Production Technology**





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