



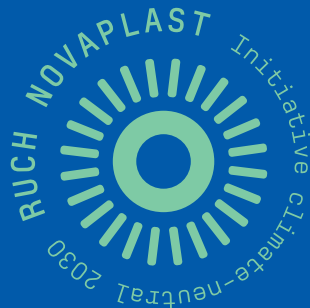
# shaping the future



saving  
energy  
saves  
our  
world

*"Many companies talk about their focus on sustainability. For decades, our products have been saving many times the energy needed to produce them. At RUCH NOVAPLAST, this is our definition of sustainability."*

Roland Zeifang  
CEO RUCH NOVAPLAST



# What drives us?

To deliver the best development  
our customers with the greatest  
functional, economical and su



nt work and solutions for  
st benefit and added value –  
sustainable.



As the European technology leader in particle foam solutions, our ideas shape the future. Our expert team comprising engineers, mechanical engineers, technicians, process specialists, material experts and pioneering thinkers realises approximately 300 new projects every year. They accompany our customers from the initial idea to the actual product – ready for series production.

We know the raw materials and their properties in detail, we understand which moulded parts we can produce ready for series production, and how to realise their functional potential. It is not uncommon for us to push the boundaries of what is possible, and create completely new, innovative applications for particle foams. That is why we are development partners in research projects organised nationwide – for the requirements of tomorrow's professional world, and every day thereafter.

**300**

new products  
per year

**400**

employees  
europe-wide

# Products and solutions

We are the specialists for insulating moulded & functional parts, complete assemblies and complex system housing chassis made of expanded polymers, the particle foams.

With over 140 years of company history and more than 50,000 visionary projects, we are your competent development partner for the technical applications of tomorrow, and we shape innovations into solutions. Our products combine efficiency, function, design and sustainability and create significant competitive advantages – for us and for our customers.

**120.000**

molded parts per day

**100%**

quality



## HVAC AND FACADE

Environmental friendliness and efficiency have long been standard in everything we do, and in energy technology. We have been instrumental in defining this standard for decades. All components are securely positioned, held in place and sealed in perfectly matched, heat- and cold-insulating moulded parts made of particle foams. Particularly in the case of ventilation units and heat pumps, all the properties and attributes of EPP housing systems and the considerable cost, assembly and integration advantages come into their own. The market leaders in the industry rely on solutions from RUCH NOVAPLAST.

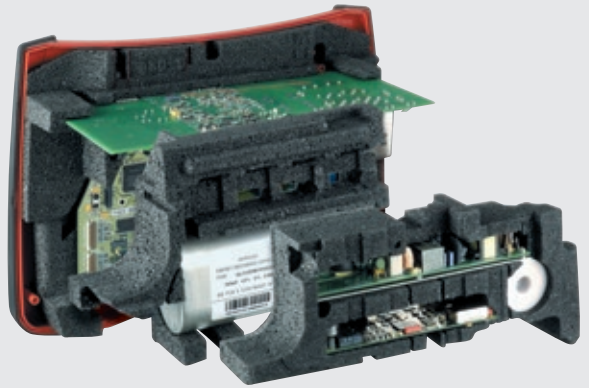
## HEAD AND BODY PROTECTION

The best possible protection, maximum freedom of movement and minimal dead weight. When life and limb are at stake, safety requirements are particularly high. In both the professional and amateur sectors. Our developed standards meet even the high requirements of Formula 1, and offer outstanding impact protection properties.



## MEDICAL AND ANALYTICAL TECHNOLOGY

Expanded polypropylene protects sensitive functional components in highly specialised medical and analytical equipment, as well as against impact loads and in the event of excessive temperature exposure. The components inside the units are inserted into precisely designed moulded parts made of particle foams and held in place solely by form fit. The NOVAplex® design method also offers significant advantages in assembly, maintenance and service.



## MOBILITY

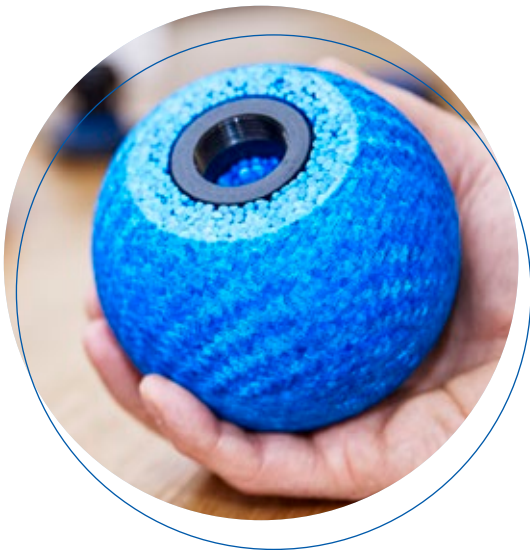
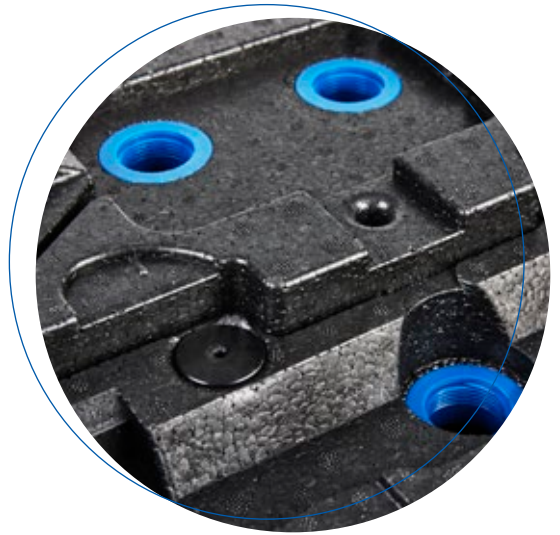
Innovative lightweight technologies play the most important role in modern mobility solutions, and are becoming increasingly important due to the high-level demands placed on energy and resource efficiency. In addition to the automotive industry, many other industries are discovering these breakthrough advantages in terms of weight, energy and cost. The excellent mechanical properties make them permanently resilient and particularly durable.

# Competencies

## **MANUFACTURING COMPETENCIES FROM A TO Z – BE IT LAUNCH MANAGEMENT OR CERTIFIED PROJECT MANAGEMENT**

A good idea is the start of everything. Functions create benefits and added value. Developed manufacturing processes make things possible that many manufacturers dream of.

But only those who master the interplay of all these individual instruments from development to series production can deliver the best products and market-leading, economical solutions. We have, therefore, designed an integrated value chain that leaves nothing to be desired.

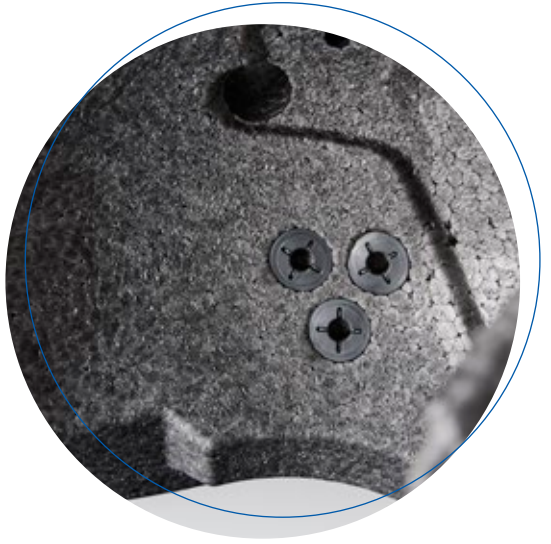


## **WHEN PIONEERING SPIRIT MAKES THE IMPOSSIBLE POSSIBLE**

When you're ahead of the pack, you know more than most. However, if you want to manufacture the products of tomorrow, you have to know today the processes that are necessary for this. We have developed many of these processes ourselves e.g. the simultaneous foaming of two different material densities (dual density) and of two different materials (2-component parts), the energy-optimised production of (and with) High Efficiency Tools (H.E.T.) or the pioneering particle foam composite injection moulding process. As a technology leader in the industry, innovation is a big part of our DNA.

## FORM FOLLOWS FUNCTION

Our moulded parts perform. Solo, as an assembly or as a complex system chassis. They deliver great benefits and added value. But they also bear real responsibility – for our customers and the reliability of their products, because they are often in use for decades.



## PARTICLE FOAM MATERIALS AND RAW MATERIAL

Particle foams are 95% air-filled thermo-plastic granules. They possess outstanding mechanical properties, a high thermal insulation capacity and enormous lightweight potential. This material opens up a wide range of possible applications – for today's and tomorrow's world.

Functional product competence and decades of material experience merge with sound manufacturing know-how and process expertise in market-leading particle foam solutions.

# Innovation

RUCH NOVAPLAST is changing.

Continuously. This is because, for us, it means moving forward, shaping the future, forming ideas and creating something new. Together, as a team, with our customers and over 140 years of experience behind us.

We are Europe's leading pioneers in particle foam. We shape innovations into solutions, accompany them until they are ready for series production, thus securing a pioneering role for our products and creating significant competitive advantages – for us and for our customers.

One of the essential foundations for this are our innovations in the areas of design, energy, materials and processes.



**NOVAplex®**  
plug and perform



**NOVA feed&fix®**  
integrated function



**NOVA son®**  
integrated functional spot



**NOVA texture®**  
texturized surface



**NOVA weld®**  
thermal objects fusion



**PVSG**  
Partikelschaum-Verbundspritzgießen





As Europe's technology leader for particle foam solutions  
our ideas shape the future.

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