



SYNERGETIC

INFORMATIVE

CONNECTING

COOPERATIVE

CONSULTING

ACTIVE

SUPPORTING

INNOVATIONS ARE BORN FROM PASSION

A MEMBER OF OUR NETWORK



„Innovations for a green world – We can mould it all“

About Kurtz

Kurtz GmbH is a company of the mechanical engineering group Kurtz Ersa, which has been managed by the Kurtz family since 1779. Kurtz GmbH is strategically aligned with the prevailing megatrends such as lightweight construction and e-mobility, digitisation and, above all, climate protection. Great opportunities are opening up in areas such as CO₂ reduction, recycling, water and energy conservation. This includes optimising processes in production, sales and development for existing customers as well as investing in technologies that ensure a successful future over the long-term. On this basis, innovative solutions are created for the manufacturing industry in the areas

- Particle foam processing
- Low-pressure casting
- 3D metal printing

Kurtz – Data, facts and figures

Kurtz Ersa is an owner-managed family business in its sixth generation with headquarters in Spessart. Here, 1,300 employees work every day to drive forward the technologies and solutions of the Electronics Production Equipment, Moulding Machines and Automation divisions. Annual turnover in 2019 was 265 million, 80% of which was related to exports.

- *Six production sites in Germany, the USA and China*
- *Ten service/sales centres in France, Russia, the USA, China, Mexico and Vietnam*
- *11 application centres in Germany, China, Malaysia, the USA, Mexico and Vietnam*
- *Commercial agencies in 134 countries*

Awards such as the recently presented Bavarian Energy Award 2020 and the EPS Recycling Award 2020 highlight the company's innovative strength.

KURTZ AND EPP



Kurtz-WAVE-FOAMER

What are the main characteristics of EPP in your opinion?

EPP is lightweight, absorbent, insulating and can now also be provided with an excellent surface quality. These are all characteristics that will increasingly play a decisive role in the future.

What potential do you see in EPP for the future?

Lightweight construction is already making its contribution towards meeting environmental goals. In the coming decades, this contribution will increase considerably – especially in view of the CO₂ emissions that are to be reduced in the automotive industry. The properties of EPP are already in great demand in electromobility.

In the field of logistics for sensitive products, such as vaccines, the best possible protection of goods plays a decisive role, both in terms of shock absorption and thermal insulation. Furthermore, reusability is a key factor for the circular economy. We also assume the logistics sector will continue to grow in the future.

What are the strengths of your company in relation to EPP processing?

Our focus is on the repeatable and accurate control of the foaming process, which allows EPP to be processed with virtually no rejects. What's more, we also offer special machines and systems for special solutions in the respective application areas. In addition to high quality moulded parts, these solutions also ensure the most economically efficient production.

We can industrially process EPP on our WAVE FOAMER using radio waves, without the need for steam. What's more, a broader range of applications becomes possible while, at the same time, saving energy and reducing CO₂. The RF process achieves excellent values compared to the conventional steam process: up to 100% reduction in water requirements, up to 90% reduction in energy requirements and even up to 70% reduction in CO₂ emissions. What's more, the reprocessing level of recycled material can be as high as 100%. Our new process therefore offers an answer to the targeted climate neutrality of many countries.

How does your company benefit from the EPP Forum e. V. network?

Not many people know about EPP and all the possibilities it offers. It is therefore particularly important to have a point of contact, where the pooled knowledge about this raw material is available. The public awareness of the material as such, as well as its outstanding properties, are promoted and supported very well by the EPP Forum.