

BIOVOX

Bioplastics for a livable world

Foundation

- 2021

Branches

- Development, Production & Distribution of Bioplastics for medicine & laboratory, hygiene & food applications (Quality acc. to ISO 13485)
- Development-Services biobased products

Key materials

- biobased and/or compostable compounds (based on PLA, PBS, PBAT, PHA, Bio-PC, ...)
- food contact & medical grade (ISO 10993)
- antimicrobial effect optional

Key products

- MedEco
- Regiogradable(R)
- Distribution of nature2need products Bioblend, Spectabio, Natureblend, Organoblend

WE OFFER

We offer bioplastics for highly regulated and complex applications.

The BIOVOX experts support you all the way from the feasibility analysis, to prototyping and marketing.

great material

- ✓ Medical & food contact grades
- ✓ Tailored to your requirements
- ✓ Up to 100% biobased content
- ✓ Low CO₂ footprint
- ✓ Antimicrobial effect optional
- ✓ Biodegradable grades

great service

- ✓ Scientifically proven marketing
- ✓ material for your business success
- ✓ Long-term formulation consistency
- ✓ ISO 13485 documentation
- ✓ ISO 10993 material qualification



BIOVOX IN 3 SENTENCES

Seamless quality acc. to ISO 13485, safety acc. to ISO 10993 & FDA and transparent, scientifically based statements on improved environmental impact - we help you to keep all regulations under control in an easy and safe way.

From feasibility analysis with prototypes to marketing, our proven and agile bioplastics experts as well as our partner network are at your side - so that you can succeed on time and on budget with verifiably sustainable products.

We have future eco-regulation on our radar - with renewable materials we get your transformation to a circular economy up to speed and ensure that you are fit for the future!

Why bioplastics?

CLIMATE CHANGE & MICROPLASTICS

A credit card's worth of microplastics in our food every week, rising temperatures and littered oceans. Conventional plastics contribute to our biggest environmental problems. With the right bioplastics solutions, you can support the shift to more sustainability.

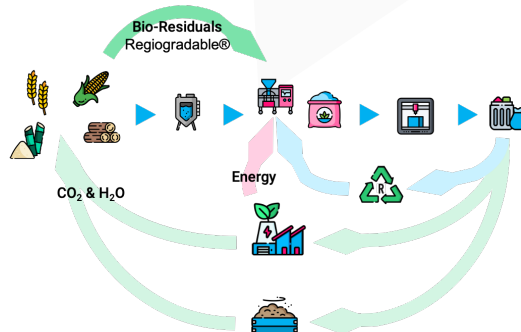
FIT FOR FUTURE

Future EU regulation under the Circular Economy Action Plan will have a major impact on the plastics industry. CO₂ and microplastic emissions as well as unclosed material cycles will be heavily regulated, e. g. by recycling quotas. With BIOVOX plastics made from renewable raw materials, you meet the regulatory requirements of the coming years. What does this mean for your company? Let's talk about it!

CIRCULAR ECONOMY

Renewable resources are particularly practical to close material loops. Our thermoplastic bioplastics can be recycled (blue arrows), just like conventional thermoplastics. Chemical recycling is also possible.

But they are also particularly sustainable as highly pure virgin plastics: they act as carbon storage for CO₂ just recently absorbed by plants from the atmosphere - unlike fossil plastics, which get their carbon from deposits deep within the earth.



When burned or composted, bioplastics made from renewable resources also release their stored carbon (light green arrows). However, this CO₂ cycle is many millions of years shorter than that of fossil oil. With BIOVOX materials you are closing loops in the shortest possible way!



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Contact

BIOVOX GmbH

Robert-Bosch-Str. 7, 64293 Darmstadt
be-green@biovox.systems
www.biovox.systems

Contact person



Dr.-Ing. Julian Lotz

Sales and press
julian.lotz@biovox.systems
+49 6151 7869330



Ready for upcoming regulations?

Fortunately, efforts to limit climate change and for a more sustainable economy are increasing worldwide.

With its 17 Sustainable Development Goals, the United Nations has adopted a catalog of categories of which we address four.

Almost all nations have committed to achieving improvements in these categories. In the EU, this is being implemented through the European Green Deal and subsequently the EU Climate Law, the Action Plan for Financing Sustainable Growth and the Circular Economy Action Plan.

This will have a massive impact on legislation and standardization in the coming years - and on the ability of companies to market their products and refinance themselves (EU 2020/852).

Read more about upcoming regulations in our BioWiki!



Applications & Industries

MEDICINE & LABORATORY

We come from the medical technology sector, speak your language and understand the requirements of the MDR precisely. With us, you will reach your goals efficiently.

Because you need safety, you get bioplastics with compliance to ISO 13485 and ISO 10993 from us.

With BIOVOX, you use renewable raw materials to reduce your carbon footprint.

Avoid persistent microplastic emissions. This is your sign for the change towards more circular economy in laboratory and hospital.

HYGIENE

From toothbrushes and cosmetic primary packaging to plastic housings of bathroom and washroom equipment. Our bioplastics offer high-quality surfaces, with antimicrobial properties if desired, while maintaining a low carbon footprint.

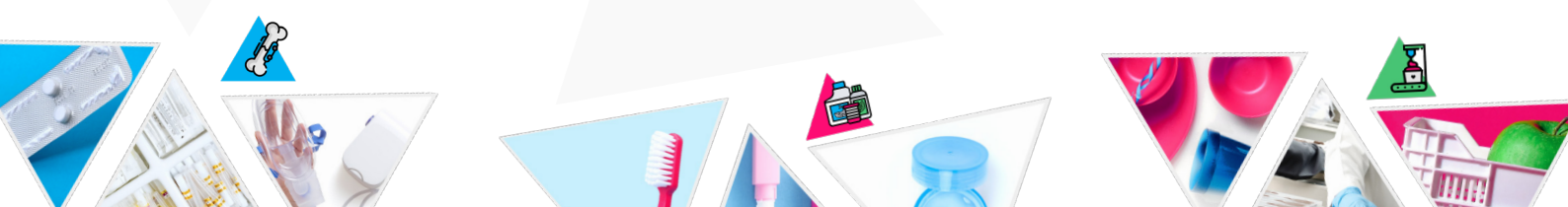
Home or industrial compostable compounds enable additional disposal options. Secondary biomass makes the footprint even leaner and gives you great stories to tell for your marketing.

FOOD CONTACT

Sustainable production equipment is also a big issue in the food sector. With our bioplastics, on request also antimicrobial, you keep your machines hygienically clean and ensure a good carbon footprint.

And very important: the abrasion of our plastics, e. g. in conveyor belts, is not persistent microplastic, but biologically degradable, even in the body, without leaving residues.

With our home-compostable bottles made of bioplastics, you are bottling environmentally friendly and microplastic-free.



Less CO₂ with bioplastics | Medical grade according to ISO 10993 | Quality according to ISO 13485