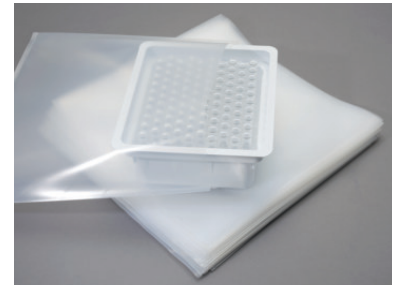


STRUBL

Kunststoffverpackungen · Plug & Pack-Systeme

Cleanroom Packaging

- ▶ Primary and Secondary Packaging Material
- ▶ GMP- and Cleanroom qualified
- ▶ to prevent contamination



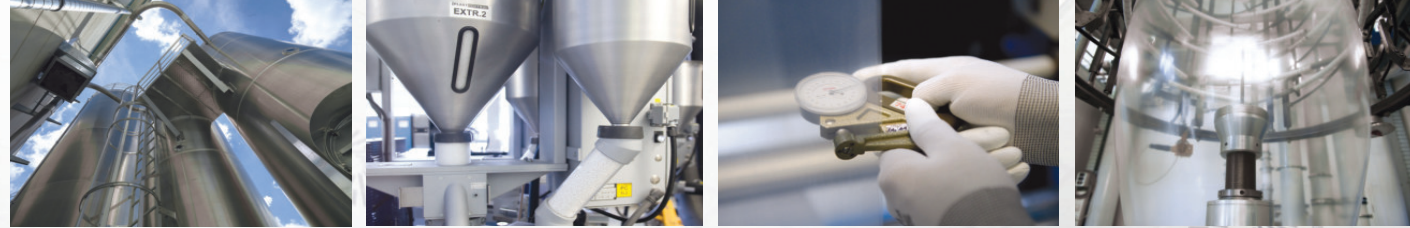
Strubl
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GMP-/Cleanroom production

Production and quality processes meet GMP requirements and are entirely encapsulated as cleanroom production facilities: Blown-film extrusion (mono and coex) as well as automatic and manually converting, customer specified finishing up to final protective packaging ("bag-in-bag"). Our particle and bio-burden monitoring system ensures stable low-germ and low-particle cleanroom quality.


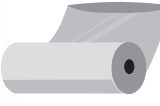
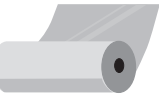
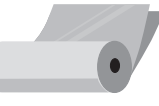





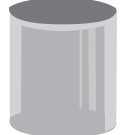



- ▶ Cleanroom Productionsystem (ISO 14644 - Class 7-8, GMP C - D)
- ▶ Raw materials with Foodgrade / Medical Grade / Pharmagrade (Pharm.Eur/USP)
- ▶ Cleanroom fitted packaging ("bag-in-bag")
- ▶ Hygiene Management / Pestcontrol
- ▶ Monitoring / Validation / Qualification (IQ-OQ-PQ)
- ▶ Traceability, Documentation, Specification
- ▶ ISO 9001, ECV-Defect Evaluation Lists, In-Process-Control, CoC / CoA
- ▶ Change Management (Change Control / Change Notification)
- ▶ GMP-appropriate production process, documentation, trainings



GMP-/Cleanroom packaging

We develop and produce custom designed specifications and quality. Low-germ and low-particle cleanroom facilities featuring highest product-quality. All our products may be sterilized and therefore are fit for highest quality applications. The products meet the VDI 2093 part 9.2. recommendations (Consumables in the Cleanroom)

Films	    
Bags	     
Dimension	50 mm x 100 mm up to 1300 mm x 2000 mm
Resin	LDPE - LLDPE - HDPE - MDPE - PP
Sealing	bottom seal - side seal
Material-regulations	Foodgrade Pharmagrade Medicalgrade in reference to VDI 2017
Material-quality	with / without Additives (slip, antibloc) Antistatic (migrating / permanent) Sterilization: Gamma-Irradiation
Specials	marking: Ink-Jet / Embossment Perforation / Punch / "easy open"
Packaging	"bag-in-bag" roles on plastic reels



GMP-/Cleanroom philosophy

Packaging materials used in cleanroom production systems have to meet the same quality requirements as the produced products. Fact is, that only cleanroom packaging materials are able to eliminate contamination risks caused by packaging materials. This is valid all over the cleanroom-value-chain from raw materials via components up to consumer products. Our products support to prevent contamination and to sustain our customers high product quality.

STRUBL mission

Strubl GmbH & Co. KG is successfully managed as a midsize family company. With more than 70 years of experience owners, managers and employees guarantee for know-how, flexibility and innovation.

Our three business units are:

- ▶ **Cleanroom Packaging:** GMP-Packaging products manufactured in a high professional cleanroom production system are suitable as primary and secondary packaging in the cleanroom chain
- ▶ **Plug & Pack® Systems:** flexible and high efficient automatic packaging systems for premium consumer packaging or low-cost functional packaging
- ▶ **Flexible Plastics:** films and bags for industrial and consumer packaging with customer designed features for all markets

We supply into different markets f.e. medical device, pharmaceuticals / API, food, electronics, cosmetics, automotive, stationary, spare parts, DIY, Automotive.

Our vision is to supply best quality, know-how and service to realize a maximum of added value for our customers. This attitude is supported by our technical flexibility, the internal engineering and tool manufacturing, permanent product- and process development and our special trained and motivated teams, working to satisfy our customers requirements all day long.



Quality - Flexibility - Competence

Our production system is based on an integrated quality management system certified according to ISO 9001 which is permanently developing our product and process quality. This continuous improvement enables us to deal with increasing market requirements. GMP principles are installed and monitored over all process steps. Our customer relationship is distinguished as a long term partnership that enables us to settle an organizational learning process to realize economic benefits for our partners.

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