

Prototyping

If speed matters!



We offer extensive experience from processes of stereolithography and sinter technology through to complex multi-component prototypes.

For many years, sauer product has been working with the laser generative processes of laser sintering and stereolithography for the direct manufacture of prototypes or as the basis for vacuum casting.

We use the RIM technology and the classical vacuum casting for the manufacture of polyurethane parts. In doing so we process fibreglass filled materials as well as high temperature durable materials which can withstand a temperature of up to 195 °C. Also the realisation of clear glass optic as well as translucent pigmented parts is possible. For small quantities, also for series applications, these materials are an alternative to injection moulded parts.

A core competence of sauer product are precision and sand casting parts which we can also assemble with laser sinter parts, polyurethane parts as well as with injection moulded parts from pre-series tools to complex components. For the

production of metallic prototypes, small series and tooling inserts with near-surface cooling from different steels, we use lasercusing technology. You will find a detailed explanation on this in our lasercusing flyer.

Our service portfolio

- Laser sintering in PA, PA GF, TPE, PS and metal
- Stereolithography
- PU parts in RIM and vacuum casting technology as single or multi-component part
- Foundry models, sand and precision casting
- Foaming tools, devices, complex components in above mentioned techniques, data control models, master forms, assembly dummies

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