



Model making

The finishing, subsequent processing, assembly and reproduction of prototypes.

Our model making services allow you to process prototypes of all kinds within a very short space of time.

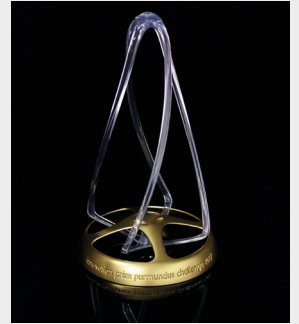
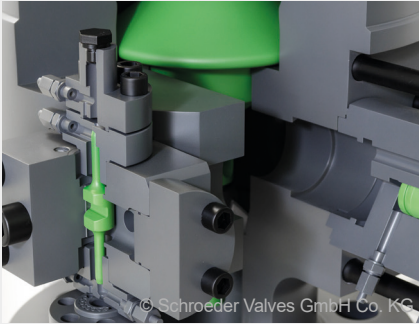
PROTOTYPE MAKING

Our trained model makers use their expertise and the vacuum moulding process to translate your ideas into test-quality models and prototypes. We also offer various different post-processing procedures to optimise the optical and functional properties of the parts produced by additive manufacturing for their intended applications. The post-processing of prototypes is usually carried out manually. The portfolio includes surface finishing procedures such as sanding, polishing, dyeing, priming, painting, applying lettering, manual adjustment and overall assembly. We define the level of detail in consultation with you.

Our vacuum moulding process allows you to reproduce master patterns rapidly and cost-effectively. The master pattern is formed in silicon before being cast with polyurethane prototype resins.

THE BENEFITS FOR YOU

- High-quality surfaces
- Short production times
- High level of detail (true to the original)
- Flexible procedure following individual consultation
- High level of precision
- Rapid reproduction of master patterns
- Combinations of hard and soft materials possible



Model making workshop

We offer you a range of different options for the manual post-processing of prototypes:

- Dyeing in a water bath with dissolved dye particles (SLA and SLS possible)
- 2K paint preparation with spray filler and fillers in a range of different colours
- 2K painting of contoured, matte and high-gloss surfaces
- Precise mixing of RAL colours with Standox mixing facility
- Transparent paint
- Translucent paint
- Manual polishing of painted surfaces and transparent SLA/PolyJet components
- Assembly using a wide range of joining techniques

Silicone vacuum casting

A number of different polyurethane prototype resins from different manufacturers are available for silicone vacuum casting, with a wide range of material properties. The following casting resins are currently available for selection. We are happy to provide you with in-depth advice in this regard.

Casting resin	Colour	Description	Application
PN 9723	colourable	similar to TPU	rubber-like prototypes, stiffness adjustable Shore A35 - A90
PR 777	colourable	similar to PP/HDPE	casings, covers
PR 700	black	similar to ABS	automotive industry
PX 522	transparent	-	thin wallet transparent components, can be coloured translucently
PX 245	colourable	similar to POM/PA-GF	functional prototypes, 15% glass fibre filled
PX 234 HT	colourable	similar to PPS/PEEK	high temperature-resistant prototypes
PX 205	colourable	similar to PP	film hinge can be displayed

Under no circumstances can the published information about the material data be considered as express warranty or otherwise. The application of these information and references as well as the decision on the suitability of any product for special applications is in all cases subject to the sole responsibility of the user.

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