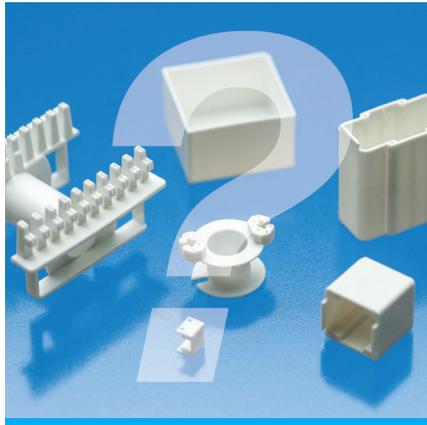


## All you need to know about 3D printing.

Selective laser sintering (SLS) from NORWE offers a range of benefits when it comes to component production for coilformers and boxes. The forming is very accurate and detailed and various materials and colours are available.



We have summarised and answered the most important and most frequent questions in the run-up to the design of 3D components.

But please do not hesitate to contact us for further information or if you have any requests.

### What file formats are required?

All standard 3D CAD formats can be used for conversion to an STL file. If required, we can help you produce an appropriate 3D drawing.

### What is the maximum size of a 3D component?

As standard, a 3D component can be produced with a size of up to 190 x 200 x 320 mm.

### Can the finished 3D component be processed like a normal component?

Yes, based on the plastic quality selected, the 3D components can be processed in the same way as normal coilformers or boxes. The 3D model parts can be processed further by NORWE or pinned as required.

### What measurement tolerances can be expected?

The possible tolerances depend on the position of the component in the printer. The biggest tolerance deviation is on height as a function of the layered application. For large components or those with tight tolerances, we recommend checking the requirements by printing a component in advance.

### Are there specifications for minimum volumes or small orders?

The minimum volume is 1 part, although 3–5 parts generally make sense. For series volumes, it is recommended that the available “working or printing area” of 190 x 200 x 320 mm is utilised to its full extent.

### What materials can be used?

The standard material is a polyamide PA12 (PA 2200 Top Quality 1.0) with all-round quality. The current alternatives are PA 2210 FR with halogen-free flame protection and UL listing or PA 3200 GF with glass-bead filling. We are happy to help you select the suitable material if required.

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