

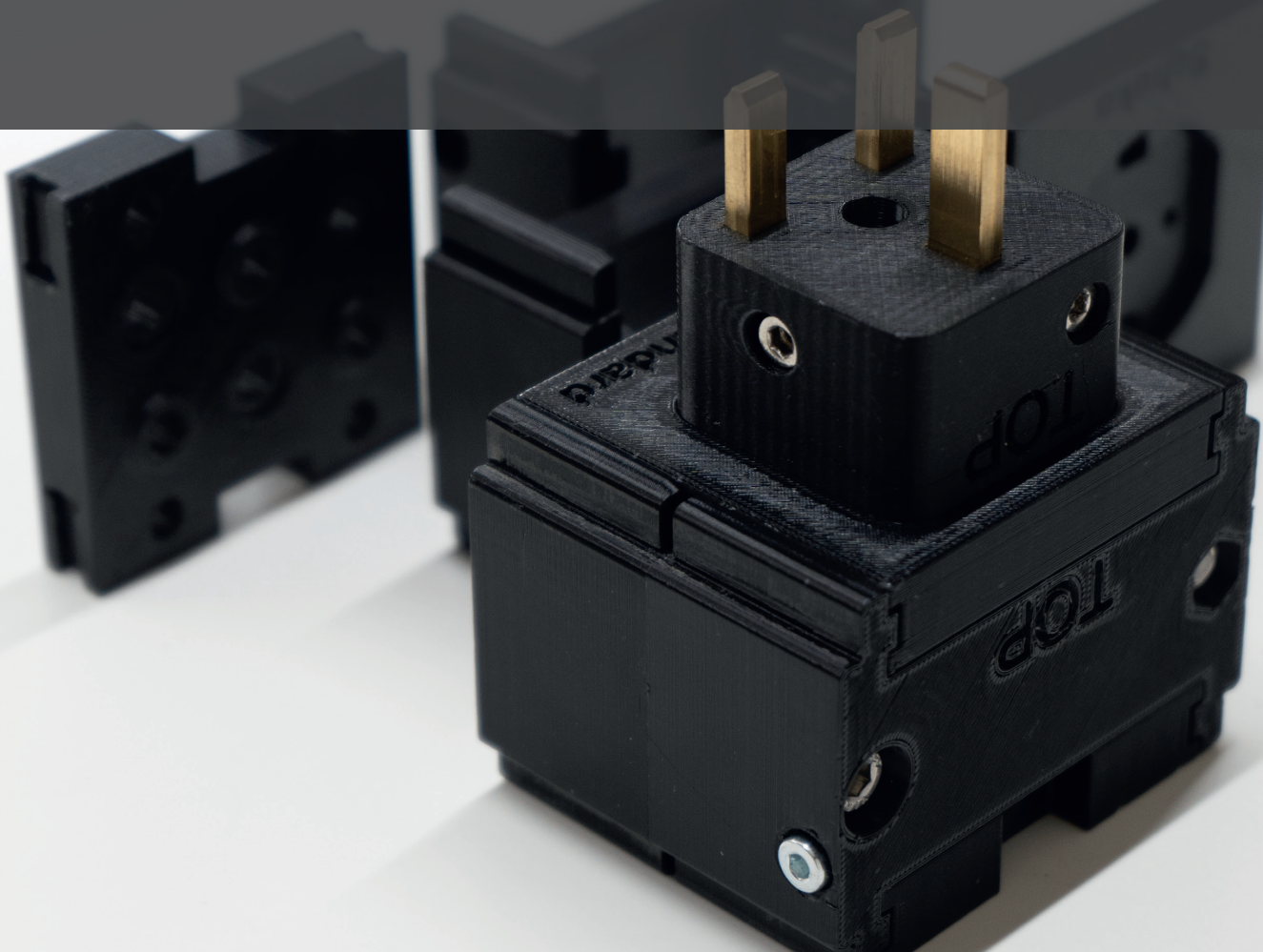
Case Study

”

The iSQUARED material can be used without any changes to the parameters or reprogramming of our machines and always delivers very good and reproducible results.

Berker GmbH & Co. KG

leading manufacturer of electronic devices and member of the Hager Group



iSQUARED²

Generic Consumables and Services for 3D Printing

Berker GmbH & Co. KG

is one of the leading manufacturers of electronic devices and member of the Hager Group, which has been successfully exploiting the potential of generative manufacturing with its own 3D printers since 2006. The first FDM and PolyJet machines are still in daily use at our company and have proven themselves with almost 10-30,000 operating hours with little downtime in the daily operations of R&D and production. A significant part of the success of these reliable and now indispensable devices is also due to the good service provided by iSQUARED AG.



„iSQUARED has qualified as a competent partner in the field of PolyJet and FDM technology.“

Both spare parts and consumables for our Stratasys machines have been purchased from iSQUARED for many years. Moreover Berker purchased two refurbished machines from iSQUARED some time ago to our complete satisfaction in terms of quality and reliability. The market for high-quality and reliable used 3D printers is still very limited and thus the selection of machines with an assured history is very small. iSQUARED opposes this trend and helped us transparently and reliably in our search for new printers.

The flexibility of iSQUARED in the area of support and administration ensures us a reliable machine park of meanwhile more than 10 machines. Fast and dynamic response times for material deliveries and technical queries, as well as the flawless execution of complex maintenance, distinguish iSQUARED as a competent and reliable partner, especially in difficult times and in the event of unusual or extraordinary problems.

Particularly worth mentioning is the unbureaucratic immediate help we received in the emergency situation of the flooding in our region. In this extraordinary situation, no effort was spared to save some of the machines or to adequately supply us with replacement machines.

iSQUARED²

Generic Consumables and Services for 3D Printing



„The material purchased from iSQUARED is at least equal to the original material in both the PolyJet and FDM area.“

iSQUARED supplies the material in recycled original cassettes or in specially developed and environmentally friendly cardboard boxes and can therefore be seen on a level with the original material in terms of sustainability. In our experience, the application spectrum of iSQUARED materials ranges from stable operating materials for jigs and individualized parts, to highly filigree and tolerance-true functional prototypes.

In the PolyJet area, the photopolymer and support material from iSQUARED can be processed very well in combination. The PolyJet material IORA Model Clear, which we prefer, has very good component properties and is a successful compromise between process-reliable processing and post-processing. Despite the otherwise very sensitive and cost-intensive print heads of the Polyjet machines, we have not experienced any malfunctions or problems during printing or when removing the support material during day-to-day operation. The service life of the print heads could be significantly increased with the use of the model and support material, thus saving further resources in the service area for the benefit of sustainability.

„Thanks to the reliability and versatility of the iSQUARED material, we now completely dispense with time-consuming and costly material changes in our day-to-day business, for example to switch from Clear Material to Rigur.“

This decision was favored by the fact that post-processing with IORA materials is less critical and less error-prone in daily operation than with the series material. In addition, iSQUARED's IORA Model Clear material proved to be less brittle compared to OEM materials, while still providing good transparency and imaging accuracy of the CAD model. The much lower absorption of water in the downstream cleaning process allows painting in a short time with very good results without changing the required material properties. For us, it is a true all-round material that is very well suited for a final finish.

iSQUARED²

Generic Consumables and Services for 3D Printing

With the FDM machines, analogous to the PolyJet area, one material in particular has proven itself in everyday usage: We now almost exclusively use the ASA material as an uncomplicated refill spool. The handling and the installation of new spools is very simple and can be easily implemented with a few simple steps, even for inexperienced people without special tools. iSQUARED's ASA material is also convincing compared to the series standard ABS through a very good finish on the end product.



„In addition to the low price and the very good processing of the materials, the competence and reliability of the company iSQUARED as well as the already mentioned sustainability is a convincing argument for a closer cooperation.“

All PolyJet materials are shipped in their own and recyclable cardboard boxes, which work just as reliably as OEM materials. In the area of FDM, iSQUARED also relies on its own spools and chips, which can be easily returned for reuse. In return, one receives a credit for the next purchase.

The iSQUARED material can be used without any changes to the parameters or reprogramming of our machines and always delivers very good and reproducible results. At this point, therefore, a big thank you to the iSQUARED team for the good and reliable cooperation, which is a pleasure every time.

iSQUARED AG

Kreuzlingerstr. 5
CH-8574 Lengwil
Switzerland

fon: +41 71 532 99-00
info@isquared-3d.com
www.isquared-3d.com

Visit our socials!

<https://www.linkedin.com/company/isquaredag>
<https://www.isquared-3d.com/newsletter/>