

R&D Outsourcing

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FIRST PRINT RESULTS ON POLYAMIDE PRINTER

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Among the large, wide range of equipment of the Prototyping Center, there is recently a polyamide 3D Printer TPM3D S360, which allows you to print complex technical details.

Printing is very smooth, without fail. The printer without any deviations allows you to get the details that would have to suffer on FDM printers. But most importantly - they can be taken and used. Without additional processing and costs.

The process of printing on such equipment is more economical, since the excess material is not used in support, which also saves time.

The main advantages of this technology are:

1. The possibility of mass production

UnionTech SLS TPM3D additive manufacturing systems offer cost-effective solutions for designers and engineers without expensive and time-consuming machining and traditional manufacturing restrictions. Different products can be made in one assembly, reducing assembly time while maintaining maximum efficiency and cost-effectiveness of additive manufacturing. For small production volumes (less than 1000 products), the SLS TPM3D production systems provide durable parts in less time as a whole, rather than using traditional technologies, such as manufacturing on CNC machines or die-casting.

2. Durable parts with good surface quality.

SLS TPM3D manufacturing systems create robust parts that can withstand extreme mechanical, chemical and thermal conditions. These qualities, combined with good surface quality, make TPM3D a relevant option for many design and production tasks. The parts produced are rigid enough to be used directly from a system with little post-processing, not only as conceptual models, but also as production tools and final parts. In addition, TPM3D can produce parts from a wide range of materials for applications such as latches, hinges, functional prototypes, and final parts.

3. Production of complex structures without assembly

This technology allows us not to resort to the post-processing of the part, and also makes it possible to skip the intermediate assembly. This is possible thanks to printing without the support of some parts inside others.

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