

Contex 3D-Drucker DESIGNmate Mx



Contex 3D printer design Mate Cx

The Contex design Mate Cx color printer produces fast and inexpensive high-resolution, full-color prototypes. Thanks to a first-class printing technology components with sharply defined features, enhanced accuracy and precise color they want, so you can print physical models of your design concepts into an almost finished state and judge. Rapid 3D printing of high resolution models, eliminating the wait for prototypes.

This unique 3D-printing capability with 24 bit color imaging produces color models that accurately reflect your original design data. By color models, more information can be conveyed than by any other type of rapid prototype production, which will create a strategic advantage in product development.

Advanced software features to maximize the benefits of color by means of flexible part labeling, Merkmalsfarbgebung, texture mapping, notes and marking skills.

Perfect print quality:

Greater accuracy, improved surface finish and maximum print resolution make the desktop from the production of high-resolution prototype, the quality of a finished product resembles.

Modeling in full color:

Detailed contrast display and 24-bit color images enable the production of full-color models for better representation of assemblies, improved technical labeling, accurate FEA data output and vivid color.

Rapid creation of large models:

Large component dimensions with a short duration pressure in incomparably high efficiency allow the full exploitation of 3D printing, so you can always create and evaluate the components that you need.

The operation of the Contex 3D printer:

First Roll spread a layer of powder

Second Standard HP inkjet print heads distribute the paint binder (cyan, magenta, yellow, clear)

Third Cross-section of the component solidifies

4th Lifting cylinder lowers and make room for a new layer

5th Process is repeated until the component is ready

Contex 3D printer

High quality 3D models and more often play a key role in the communication process of companies.

Contex 3D printer to print in a few hours of high-resolution full-color 3D models and samples on the basis of 3D data. The models offer all participants a real reflection of the idea of ??form, construction, design, the work or the terrain model and drawings are conventional and 3D displays far superior in its explanatory power.

By examining the physical object can be recognized early and avoid errors and problems. The high productivity, low cost model and the ease of Contex 3D printer helps to reduce business costs and allows even at very early stages of product development, cost-effective use of 3D printed prototypes.

3D color printer with unsurpassed speed

Contex 3D printers work directly in a film-forming powder bed. This will also be complex and detailed printing requires no supporting structures, subsequent removal of support material is eliminated. The entire space of the printer can be used for production. Different parts can be side by side or one above the other place in space and print in one pass.

With Contex 3D printer models can be printed directly in 24 bit color from a CAD program data. Architectural design and planning, urban and landscape planning in GISUmfeld, application in medicine and science, form and analysis of assembly parts with complex geometry: all this is possible.

The resulting model can achieve the maximum dimensions of 250/350/200 mm (width / depth / height). Several

items can be easily assembled to a 1:1 model after printing. The included software enables fast simulation of critical print jobs, which primarily supports the handling of your tests and unproven jobs. Special software functions expand the benefits of color Contex 3D printer with optional parts marking, Merkmalsfarbgebung, texture, annotation and labeling options.

Easy to use

Contex 3D printers are the functions, operation and handling comparable to an inkjet printer. The Contex 3D printer can already run for a short briefing. Once configured models can be printed quickly and easily. A permanent monitoring of the printing operation is not necessary, just as special cooling, compressed air or nitrogen.

The robust design allows for mobile use of the printer. The plant can be relocated easily. A new installation or calibration by a systems engineer is not required. The high quality mechanism is reliable and takes up very little. Contex 3D printers use standard print heads from HP. An economical and easy retrofit of only small parts is taken at any time on any one of the many shops and HP partner.

Economy

Construction and operating costs are low: Contex 3D printer a 5 to 10 times faster than the production achieved in the current layer manufacturing standards. Low prices for supplies lead to lower material costs from 0.10 to 0.20 € per cubic cm. This is much cheaper than alternative technologies.

The different low-cost materials are all non-toxic and can be used in the workplace safe and without any cost incurred protective measures. Powder, which is not included in the model stands, and later for the next printing of a component are available. Can be reached by Contex 3D printer that is a material utilization of nearly 100%.

Our Services

- Distribution
- Application-specific product advice
- Product comparison
- Initial instruction and product training
- Comprehensive support
- Project management

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