

Contex 3D-Drucker DESIGNmate Cx



Contex 3D-printer DESIGNmate Cx

The Contex DESIGNmate Cx colour pressure system produces fast and reasonably high-resolution, full-coloured prototypes. Thanks to a high-class pressure technology components with sharply defined signs, improved exactness and exact colours can be provided, so that you can print physical models of your design draughts in an almost ready state and judge. Quick 3D-pressure of high-resolution models eliminates the waiting for prototypes.

This unique pressure ability 3D with 24-bit-colour picture produces colour models which exactly return your original construction data. More information can be given by colour models than by any other kind of the quick prototype production what to you a strategical advantage with the product development originates from.

Enlarged software functions maximise the colour advantages by adaptable partial inscription, sign colour, texture picture, remarks and inscription abilities.

Perfect pressure quality:

Bigger exactness, improved surface goodness and maximum pressure resolution allow from the desktop the production of high-resolution prototypes whose goodness resembles a ready product.

Model production in full colour:

Detailed contrast representation and 24 bits of colour pictures allow the production of full-coloured models to the better representation of assemblies, improved technical inscription, exact FEA data output and living colour.

Quick production also of big models:

Big component dimensions with a short pressure duration with incomparably high efficiency allow the full exhaustion of the 3D-pressure, so that you can provide any time the components and judge which you need.

The functionality of the Contex of 3D printer:

1. Roller distributes a layer of powder
2. Standard ink ray pressure heads HP distribute the colour binder (Cyanblau, Magenta, Yellow, Clearly)
3. Cross section of the component solidifies
4. Hebezyylinder falls and makes room for a new layer
5. Process is repeated so long to the component is ready

Contex 3D-printer

Qualitatively high-quality 3D-models play more and more often a key role in the communication process of enterprise.

Contex 3D-printer print in few hours of highly distraught full colour models 3D and pattern parts on the base of 3D-data. The models offer to all partners a real effigy of the idea, the form, the construction, the design, the building or the area model and are to customary drawings and 3D-representations in her explanatory power far consider.

By the consideration of the physical object mistakes and problems reveal themselves early and avoid. The high productiveness, the low model costs and the easy use of the Contex 3D-printer helps to lower enterprise costs and already allows in very early phases of the product development an economic application of printed 3D-prototypes.

colour printer 3D at unmatched speed

3D-printers of Contex work layer-educationally directly in a powder bed. No supporting constructions are thereby required also with complicated printing out rich in detail, a next removing of Supportmaterial is cancelled. The whole construction space of the printer can be used for manufacturing. Different parts print themselves side by side or also about one another in the construction space place and in an operation.

With Contex to 3D-printers models can be printed directly in 24-bit colour from program data CAD. Architecture and draught planning, towns and scenery planning in the G SHARP SPHERE, use in medicine and science, form and assembly analyses of parts with complicated geometry: all this is possible.

The provided models can reach the maximum mass from 250 / 350 / 200 mm (width / depth / height). Several

individual parts can be composed on printing out easily to a 1:1 model. The provided software allows a quick simulation of critical print orders to you; this supports above all your tests and the use of unexperienced print orders. Special software functions extend the colour advantages of the Contex 3D-printer by means of optional partial inscription, sign colour, texture, remark and inscription possibility.

An easy use

3D-printers of Contex are from the functions to compare to the company and the use to an ink ray printer. The Contex 3D-printer can be already pursued after a short installation. After occurred configuration models can be printed out fast and simply. Constant supervising of the printing process is not necessary, just as special cooling, air pressure or nitrogen.

The robust construction method allows a mobile application of the printer. The arrangement can become easily umplatziert. A renewed installation or calibration by a system engineer is not necessary. The qualitatively high-quality mechanics works reliably and is claimed only slightly. Contex 3D-printer use production pressure heads of HP. Reasonable and trouble-free postpreparing of the only slightly taken up components is possible any time about one of many HP shops and HP partners.

Economic efficiency

Construction time and operating expenses are low: Contex 3D-printer reach a from 5 to 10 times quicker manufacturing than the topical standards in the layer construction method. Favorable prices of consumption material lead to low cost of materials of 0,10-0,20€ per cm³. This is substantially more favorable than with alternative technologies.

The different, inexpensive materials are innocuous everybody and can be used safely and without cost-attacking preventive measures in the job. The powder which is not integrated into the model is available later for the next pressure of a component. They reach with the 3D-printer from Contex a material exploitation of nearly 100%.

Our achievements

- Distribution
- Product consultation specific for requirement
- Product comparison
- First installation and product trainings
- Comprehensive Support
- Project management

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