

MICRO PROTOTYPING MACHINE SOLIDSCAPE R66+ - SOLIDSCAPE



Main characteristics

- High precision and very good surface quality:
 - Thickness of the layers ranges from 0.013 mm to 0.076 mm;
 - Precision X, Y and Z of ± 0.0025 mm to 25.4 mm;
 - Best surface finish / roughness Ra: 3.2 - 6.3 μm ;
 - Can be realized details with construction precision up to 0.254 mm;
 - Resolution in X and Y: 5000 dpi, resolution Z: 8000 dpi;
 - Files using standard parameters for the thickness of layers of 0.013 mm, 0.025 mm, 0.038mm, 0.050 mm, 0.064 mm and 0.076 mm.
- High productivity of the machine:
 - Choice of speed prototyping and the ability to adjust the thickness of the layer, according to the specific requirements for prototypes manufactured;
 - Automatically re-boot after emergency stop as a result of unforeseen interruptions in the process of prototyping;
 - Easy preparation of materials for prototyping without the need for pre-processing;
 - Minor expansion of the material, absence of soot and sludge during the process of sublimation.
- Technical parameters of the machine:
 - Capacity-building Build: 152.4 x 152.4 x 101.6 mm (6 x 6 x 4 in);
 - Dimensions of machine: W 548.6 x D 489.2 x H 407.7 mm;
 - Weight: 34 kg;
 - Power supply: 220 V, 50 Hz, 15 A;
 - Recommended temperature range 16-23 ° C;
 - Integrated Interface USB 2.0;
 - The machine is CE certified and approved by UL and FCC Class A;
 - UL TUV (EN 60950) RoHS.
- Management - software ModelWORKS:
 - Supported file format: STL, SLC;
 - Possibility of variation in the thickness of layers in the preparation of the same part;
 - There are standard configurations for fast start of the process of prototyping;
 - Automatically generate the supporting structure;
 - Works under Windows 2000 Professional, Windows XP Professional.

Fields of application

- Medicine, particularly orthopedics and dentistry:
 - For making dental crowns, dentures goals, brackets, etc.;

- To develop the missing part of bones, joints, etc.



- Jewelers and jewelry arts

- For the restoration of the missing "replicas" of antique works of art, using fragments of drawings and paintings of a single segment and ornaments, and jewelry making and more.



- Casting on investment pattern

- Use of physical prototypes is made in combination with a technology for casting on investment pattern, which enables the production of metal parts prescribed accuracy and quality.

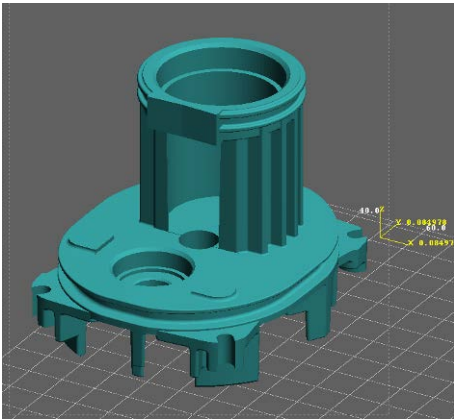


- Micro tooling

- Verification of the 3D CAD model, to verify the applicability (mainly on visual assessment) of parts and prototypes of assembled products, etc.

ACHIEVED RESULTS WITH MICRO PROTOTYPING MACHINE SOLIDSCAPE R66+ - SOLIDSCAPE

LARGE DETAILS WITH HIGH REQUIREMENTS IN TERMS OF ACCURACY



DETAILS WITH MICRO-FEATURES

