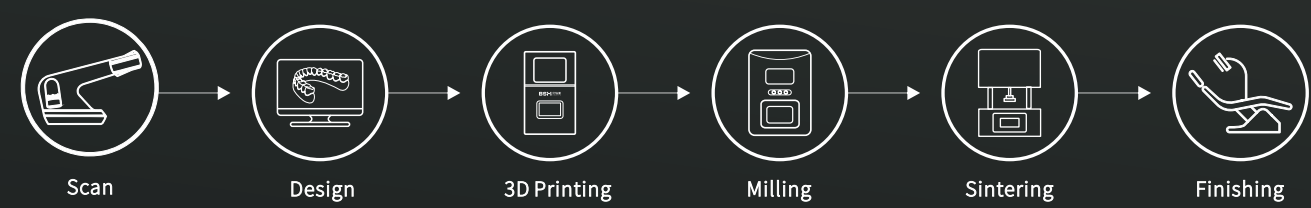


BSM Dental CAD/CAM Solutions



Technical Data

3D Printing Technology	DLP	Printer Dimension (W*D*H)	400mm*390mm*620mm
Build Volume	L144*W81*H100mm	Weight	30kg
Resolution	1920*1080 pixel	Voltage/Power	220V/200W
Resin Curing Unit	Texas Instruments DLP chip 405 nm LED light source	User Controls	7" touch screen
Module Accuracy	Z Axis :20μm	Operating Environment	Temperature:20°C-30°C Humidity:<60%
	XY Axis:75μm		Good ventilation direct sunlight avoided
Printing Speed	25-30mm/h @50μm layer thickness	Supportive language	Chinese, English, and 9 other languages.
	50-60mm/h @100μm layer thickness	Certification	CE Certified
Input File Formats Supported	STL、OBJ	Connectivity	USB



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BSM-DP1000  
Desktop Dental 3D Printer

Efficient                      Stable                      Accurate                      Intelligent

Technology Creates the Best Smile



# BSM-DP1000



BSM-DP1000 is specially designed for dental labs, clinics and production centers to facilitate the digital productions of dental models, die models, surgical guides and gingiva masks etc. It adopts industrial-grade DLP 3D printing technology with high accuracy and fast print speed at lower maintenance cost, which is especially suitable for users who have high requirements for improving the precision and efficiency of product details.

## Dental Applications

Combined with BSM printing materials, BSM-DP1000 addresses a variety of dental applications with high compatibility.

Dental Models

Gingiva Masks

Die Models

Surgical Guides



## Printing Resins

BSM printing resins are bio-compatible, easy for cleaning with little residue and no stacking, irritation and skin sensitization passed, NMPA certified and test-proven by Rosh.



Gingiva Mask Resin  
BSM-GV01~04

Intended use: Gingiva Mask Resin is a 3D printing resin intended for manufacturing gingiva masks etc.



Model Resin  
BSM-MD01~04

Intended use: Model Resin is a 3D printing resin intended for manufacturing dental models, die models ,teaching models etc.



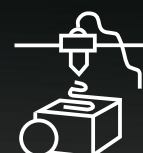
Surgical Guide Resin  
BSM-SG01~04

Intended use: Surgical Guide Resin is a 3D printing resin intended for manufacturing surgical guides etc.



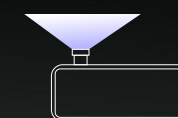
### Undeniable Efficiency

- \* The vertical printing mode can print up to 12 models
- \* Fast speed prints at **25–30mm/hour**
- \* 4 lower jaw printing at a time  $\approx$  30mins
- \* 4 surgical guide printing at a time  $\approx$  20 mins



### Leading Stability

- \* **2 million+** micro-mirror industry-grade DMD optical engine
- \* **20000+** hours operation life
- \* Multi-batch printing consistency **>98%** within 50 $\mu$ m
- \* Deformation **<3%** after 7 days after curing



### High Accuracy

- \* Imported UVLED, 405nm UV light source
- \* 1080 pixel ultra high resolution
- \* Repetition accuracy at **2  $\mu$ m**
- \*  **$\pm 37.5 \mu$ m** forming accuracy



### Intelligent Slicing

- \* Auto layout, one-touch printing
- \* Hollow-out function to save costs
- \* Anti aliasing ensuring a smooth surface
- \* Bottom tolerance compensation for convenient wearing