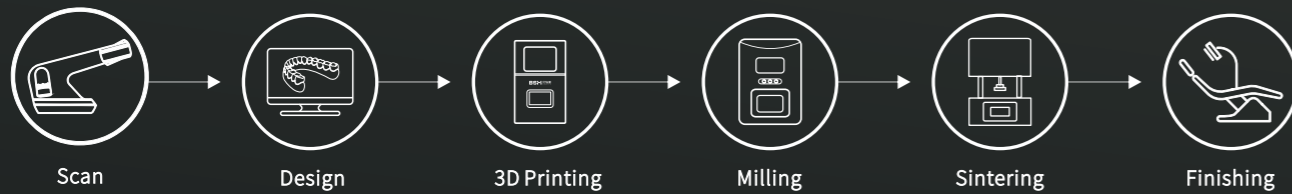


## BSM Dental CAD/CAM Solutions



## Technical Data

<b>3D Printing Technology</b>	DLP	<b>Printer Dimension (W*D*H)</b>	380mm*350mm*620mm
<b>Build Volume</b>	L144*W81*H70mm	<b>Weight</b>	30kg
<b>Resolution</b>	1920*1080 pixel	<b>Voltage/Power</b>	220V/200W
<b>Resin Curing Unit</b>	Texas Instruments DLP chip 405 nm LED light source	<b>User Controls</b>	7in touch screen
<b>Module Accuracy</b>	Z Axis :2μm XY Axis:75μm	<b>Operating Environment</b>	Temperature:10°C-30°C Humidity:<60°C Good ventilation direct sunlight avoided
<b>Printing Speed</b>	25-30mm/h @50μm layer thickness 50-60mm/h @100μm layer thickness	<b>Supportive language</b>	Chinese, English, and 9 other languages.
<b>Input File Formats Supported</b>	STL、OBJ	<b>Certification</b>	CE Certified
		<b>Connectivity</b>	USB



# BSM-DP1000

Desktop Dental 3D Printer

Efficient

Stable

Accurate

Intelligent

Technology Creates the Best Smile

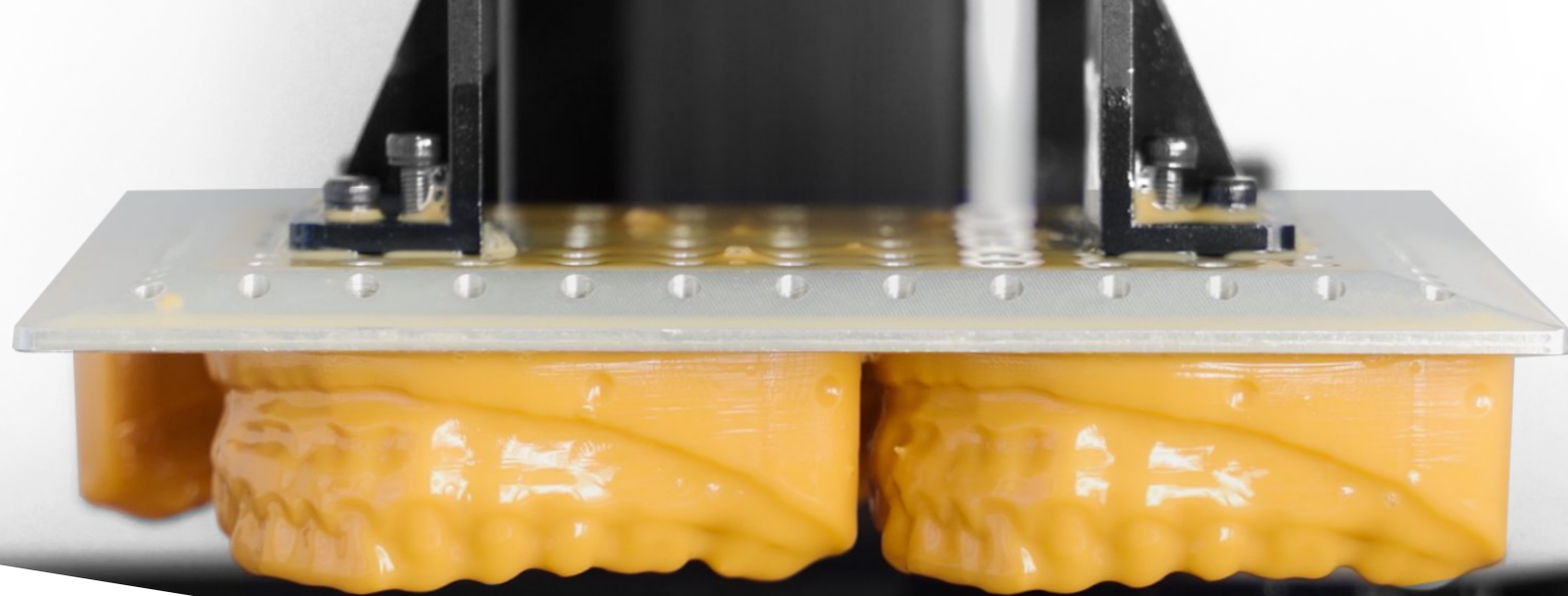
# BSM

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# 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.



## 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.

## Dental Applications

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

<p>■ Dental Models</p> 	<p>■ Gingiva Masks</p> 	<p>■ Die Models</p> 	<p>■ Surgical Guides</p> 
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**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  $\approx$  30 mins
- \* 4 surgical guide printing at a time  $\approx$  20 mins



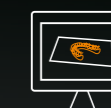
### Leading Stability

- \* **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