

# Kings P440

## Kings Industrial SLS 3D Printers

Shenzhen Kings 3D Printing Technology Co., Ltd.



### Features:

- **Large printing size and high molding efficiency**

The size of the molding cylinder is 440\*440mm (XY).  
The continuously optimized temperature control scheme and scanning path scheme improve the molding efficiency.  
It will be upgraded for free of charge for life.

- **The reuse rate of consumables is nearly 100%**

The original revival technology of PA powder makes the powder utilization rate close to 100%, ensuring the high surface quality and great mechanical properties of the parts.

- **The equipment utilization rate is nearly 100%**

A: Through the optimization of the anti-oxidation of consumables, after the printing is completed, the cylinder can be taken to cool down, and at the same time, the printing operation of the next cylinder can be continued when the equipment is still at high temperature, which can effectively reduce the cooling and warm-up time and reduce energy consumption.

B: adopts an external powder cylinder to realize automatic powder feeding and powder replenishment at any time during printing.

- **Two-way intelligent powder spreading with double scrapers**

The scraper can be easily adjusted in multiple axes. Two-way powder supply and powder spreading with double scrapers even the powder spreading, improve the stability of the temperature field and reduce the amount of powder spilled.

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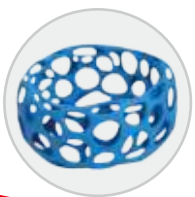
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## Technical Data

Laser Type	CO2
Laser Power	100w
Scanning System	High precision 3D dynamic focus
Maximum Molding Temperature	190 C
Temperature Control System	8-zone independent temperature zone control
Recommended Molding thickness	0.1-0.12mm
Forming Cylinder Size	440mm*440mm*450mm (length, width and height)
Power Requirements	380V, 3~N/PE, 50Hz
Dimensions	1852mm* 1335mm* 2278mm (length, width and height)
Equipment Net Weight	1980 KG
Environmental Requirements	20-30 degrees Celsius, humidity less than 30%



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