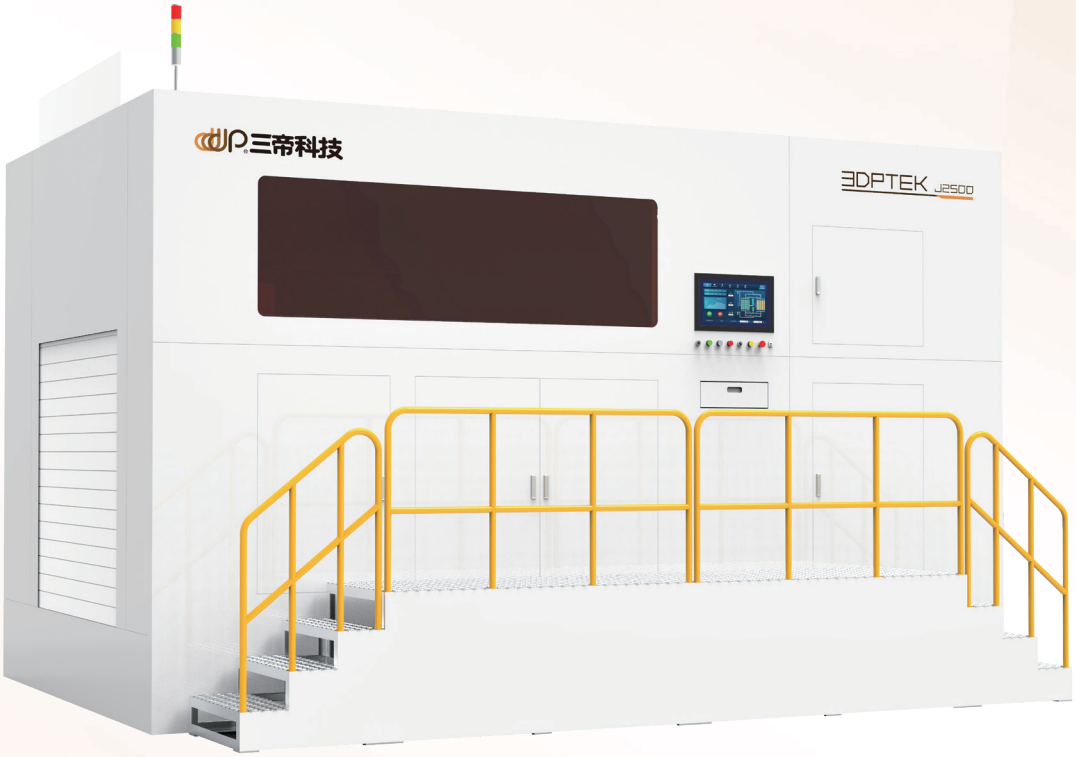
Inkjet Sand 3D Printer 3DPTEK-J2500

3DPTEK's independently developed inkiet sand 3D printer , the 3DPTEK-J2500, features the latest high-speed vibration powder spreading technology. Combined with high-performance molding processes and intelligent algorithm technologies, it offers fast operation, simple handling, large molding dimensions, high printing efficiency, and higher sand mold accuracy and strength compared to traditional processes. It also has a broad range of applications and is suitable for the production of large-sized and medium-to-small batch sand molds.

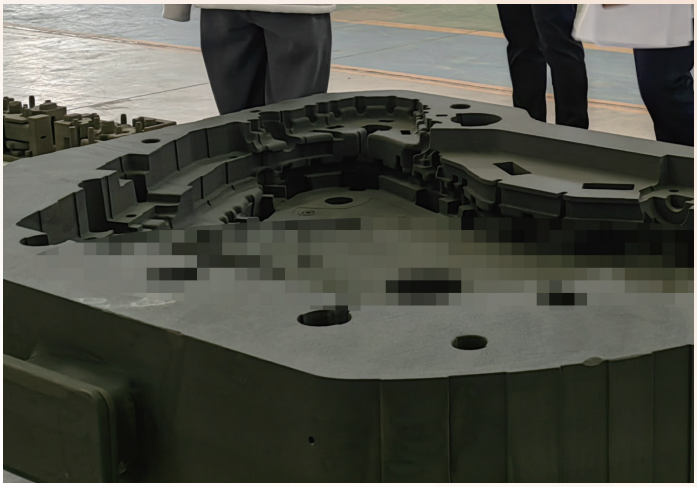


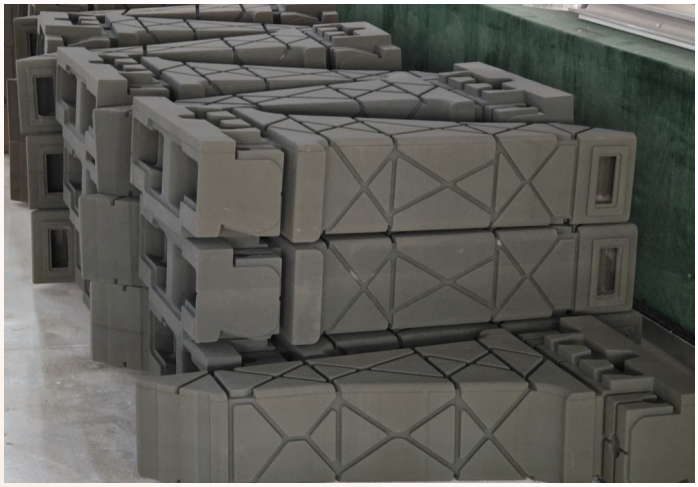
Equipment Parameters

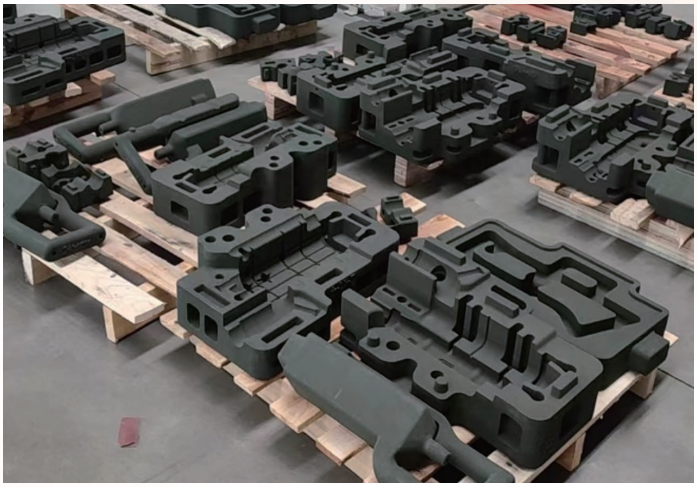
Footprint (L x W x H)	11400×8900×3900 mm	Tensile Strength	1.5-2.5 MPa
Dimensions (L x W x H)	5290×3180×3900 mm	Gas Evolution	8-15 ml/g（850°C）
Build Tank Dimensions (L x W x H)	2550×1550×1030 mm	Control Program	AFSWin3DP-L V1.0
Max. Build Vol. (L x W x H)	2500×1500×1000 mm	Data Format	STL
Nozzle Res.	400dpi	Eqpt. Weight	≈34t (Totality) ≈15t (Main equipment)
Form. Accuracy	±0.3mm（≤300mm） ±0.5mm（>300mm）	Floor Load Capacity	≥3t /m² (Refer to the foundation plan/layout)
		Factory Building Height	≥4.5m
Form. Speed	14-20s/layer	Amb. Temp.	22-28°C
Layer Thk.	0.2-0.5 mm	Amb. Hum.	30%-50%
Noz. Count	12	Power Supply	380VAC/50HZ/15KW Three-phase Five-wire
Form. Mat.	Quartz Sand / Ceramic Sand, etc.	Gas Supply	Gas Pressure 0.6~0.8Mpa; Flow Rate≥1.2m³/min;
Binders	Furan Resin /Phenolic Resin		Clean and Dry gas Supply

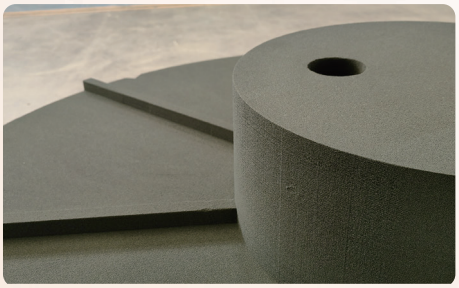
3DPTEK

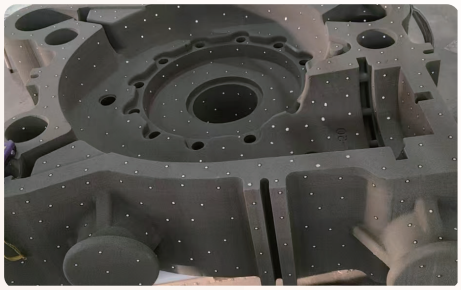
Application Cases

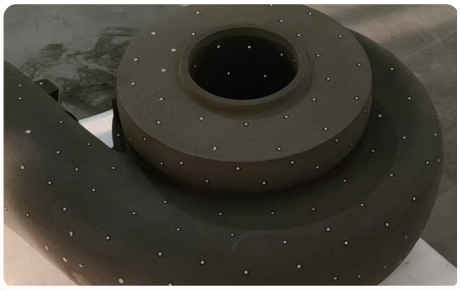












www.3dptek.com