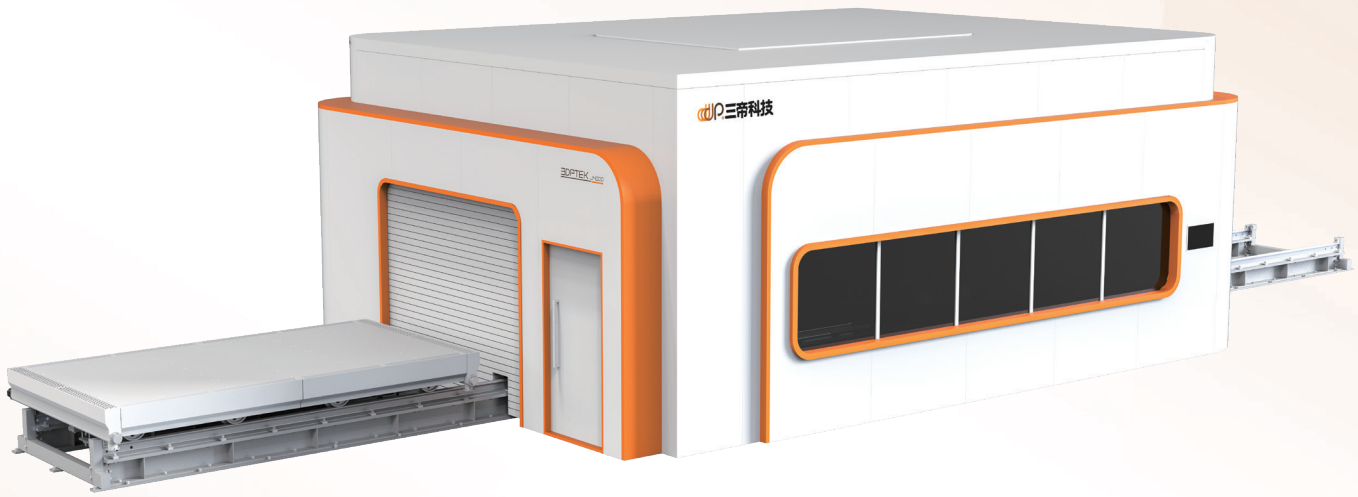
3DPTEK

Inkjet Sand 3D Printer 3DPTEK-J4000

The equipment breaks through the traditional processing size limit, adopts the flexible area forming technology of sand box, supports local printing, can form the maximum of 4 meters of sand type, so as to complete the integrated casting of large size and complex structure castings, greatly improving the production efficiency and casting quality.



Equipment Parameters

Footprint (L x W x H)	21000×7000×4000 mm	Gas Evolution	8-15 ml/g（850°C）
Build Tank Dimensions (L x W x H)	4000×2000×1000 mm	Control Program	AFSWin3DP-L V1.0
Max. Build Vol. (L x W x H)	3800×1850×1000 mm	Data Format	STL
Nozzle Res.	400dpi	Eqpt. Weight	≈27t
Form. Accuracy	±0.5mm（≦500mm） 0.1%(>500mm)	Floor Load Capacity	⩾5t/m²(Refer to the foundation plan/layout)
		Factory Building Height	⩾4.5m
Form. Speed	130-360 L/h	Amb. Temp.	22-28°C
Layer Thk.	0.2-0.5 mm	Amb. Hum.	30%-50%
Noz. Count	16	Power Supply	380VAC / 50 HZ / 25KW , Three-phase Five-wire
Form. Mat.	Quartz Sand / Ceramic Sand, etc.	Gas Supply	Gas Pressure 0.6~0.8MPa, Flow Rate ⩾2.5m³/min; Clean and Dry gas Supply
Binders	Furan Resin /Phenolic Resin		
Tensile Strength	1.5-2.5 MPa		

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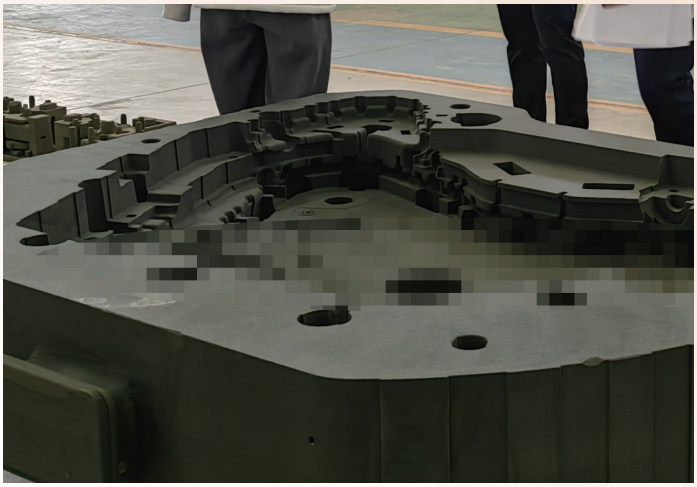
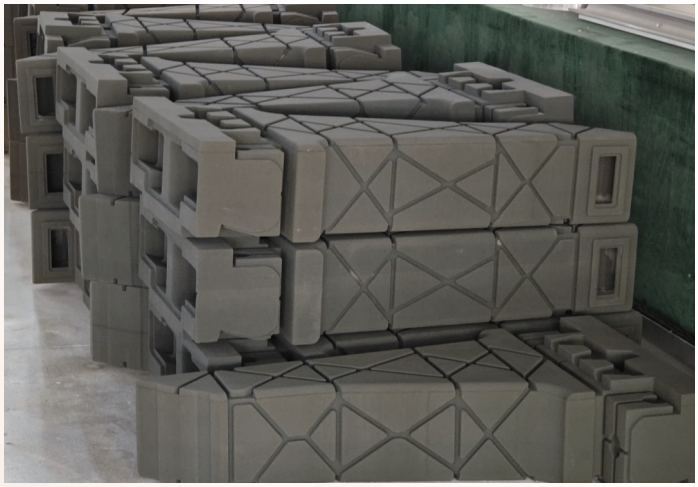
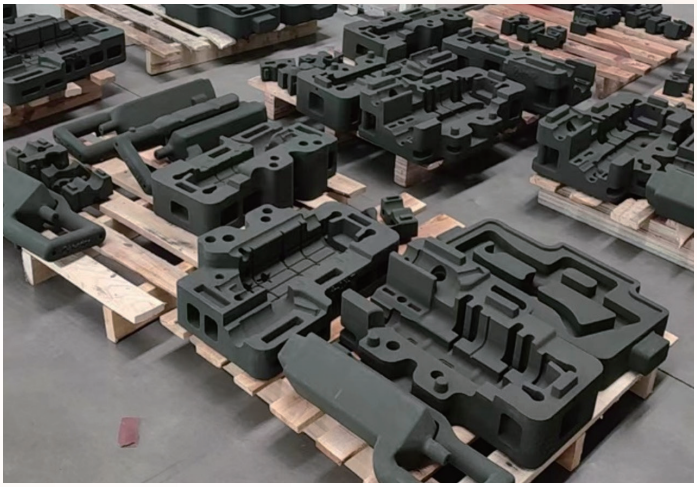
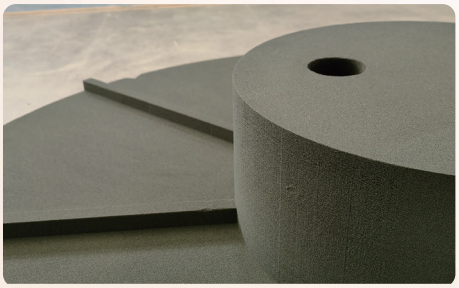
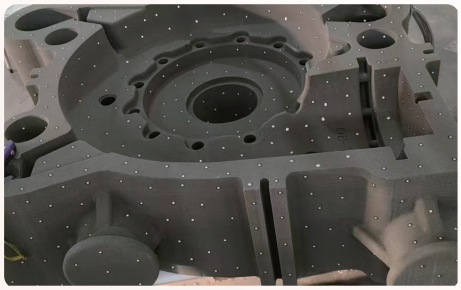
Application Cases

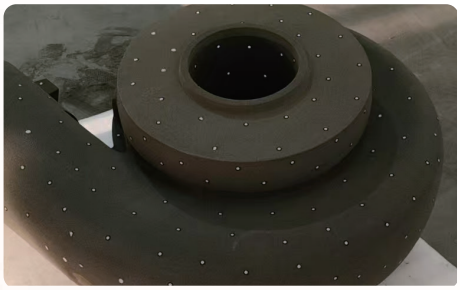












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