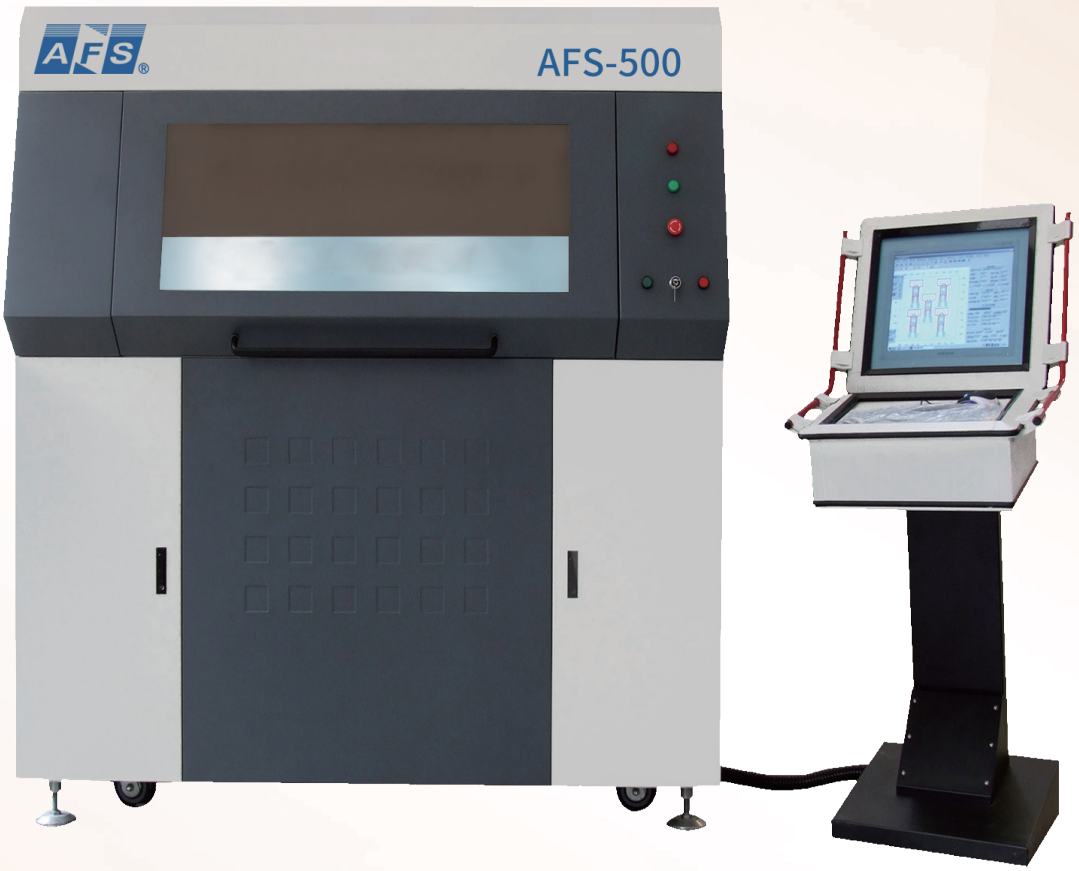
3DPTEK

SLS Sand/Wax Printer AFS-500

High-precision, high-strength sand molds for complex pipeline and oil passage structures. High-precision, high-quality wax patterns for thin-walled complex structures.



Equipment Parameters

Dimensions (L×W×H)	1960×1200×2200mm	Control Program	AFSWin V8.4
Build Tank Dimensions (L×W×H)	500×500×500mm	Data Format	STL
Laser Type	CO2 RF 55W or 120W	Eqpt. Weight	≈ 2.3t
Form. Accuracy	±0.1mm(≤100mm) ±0.1%(>100mm)	Amb. Temp.	20-30°c
Form. Speed	80-200cm³/h	Amb. Hum.	≤60%
Layer Thk.	0.08-0.35mm	Power Supply	380VAC / 50 HZ / 15KW Three-Phase Five-line
Max. Scan Speed	6m/s	Gas Supply	Gas Pressure 0.6~0.8Mpa, Fow Rate ≥1.0m³ / min, Clean and Dry gas Supply
Form. Mat.	Resin sand / Precision casting mold material /Engineering plastic		

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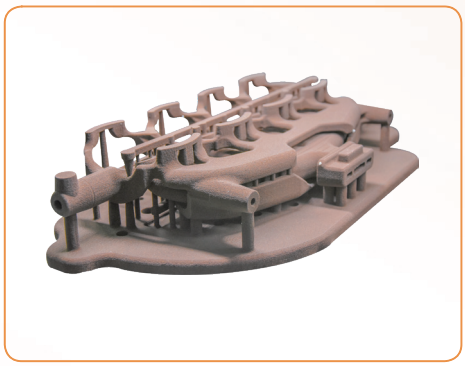
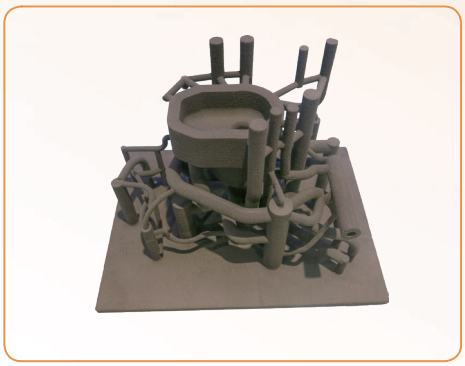
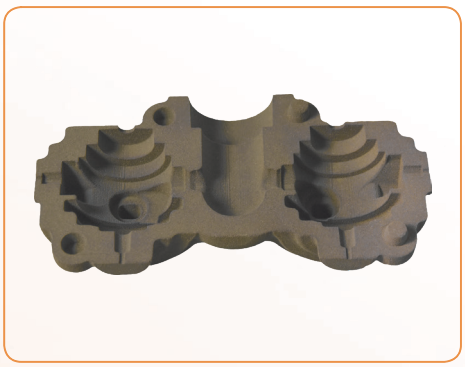
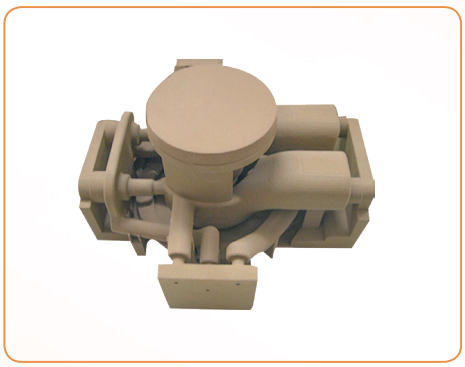
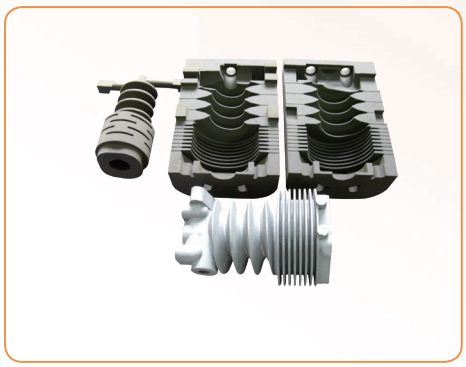
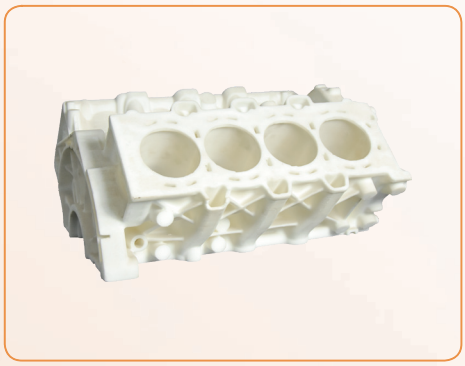
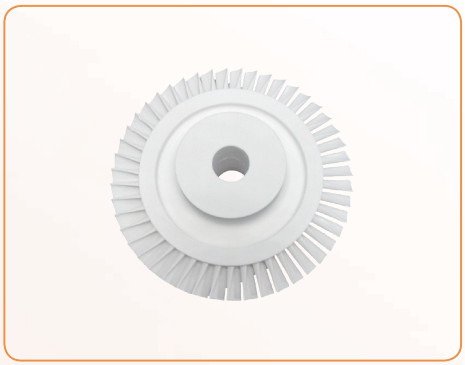
Application Cases

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