

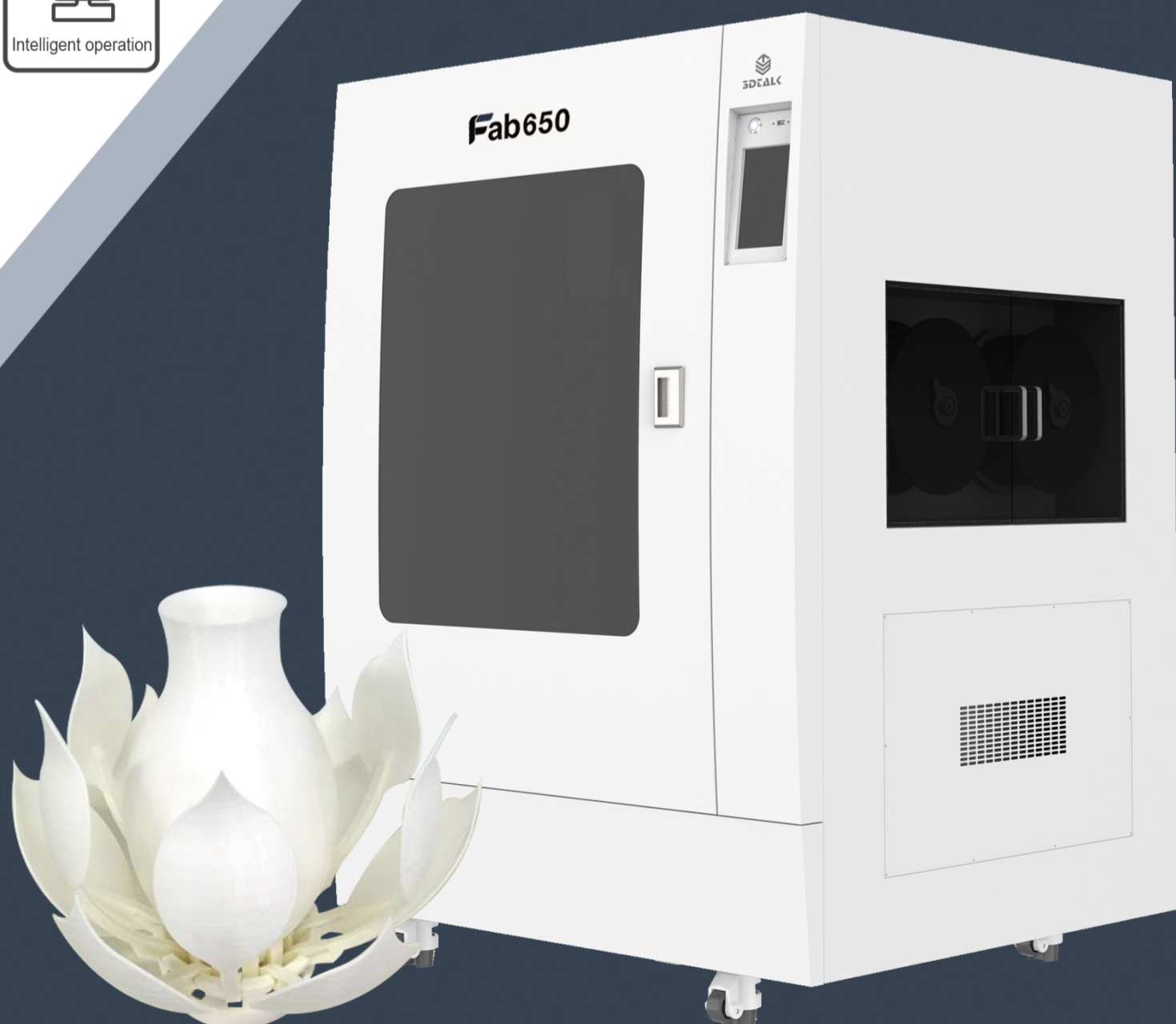
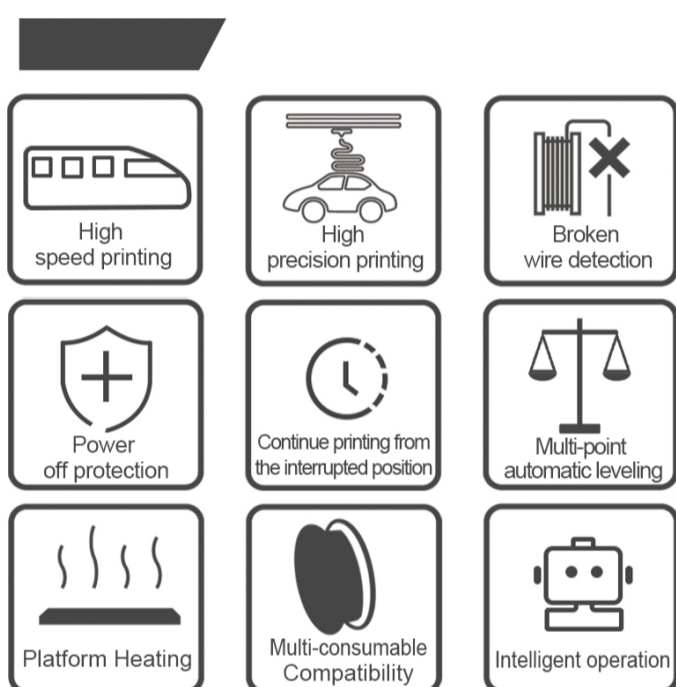


【 3DTALK Fab 650 】

LARGE SIZE

MULTI-CONSUMABLE COMPATIBILITY

Industrial Intelligent 3D Printer



EQUIPMENT PARAMETER

Printing technology	FDM (fused deposition modeling)
Build volume	580mm*580mm*650mm
Layer precision	0.075mm~0.5mm
Printer size	1065mm*1053*1553mm
Nozzle material	Alloy steel
Quantity of nozzle	1
Working temperature of Nozzle	≤260 °C
Nozzle diameter	0.6mm
Nozzle flow rate	15mm ³ /s (max)
Platform temperature	≤80 °C
Print speed	60mm/s ~ 150mm/s
Leveling way	Automatic leveling at multiple points
Slicing engine	3DTALK
Controlling	Touching screen control Browser-based control system
Operating system	Windows 7 or higher version
Consumable	PLA, PETG, ABS, TPU, COMBO, Nylon etc.
Temperature control system	Fan ventilated cooling
Printing room	Cabin with complete sealing & thermostat filter
Onboard Computer	7" full color touch screen
Weight	≈ 350kg
Function	Resume printing from outage, starved feeding, consumable blockage and suspension.
Auxiliary Function	Platform fine-tuning
Support	Auto-generated, easy to remove
Power requirement	220VAC/50 ~ 60Hz/1.5KW
File Format	.gcode/.3DT/.STL/.PLY/.OBJ/.3MF

PRODUCT ADVANTAGE

Application Fields

Education, industry manufacture, construction, engineering, digital entertainment, aeronautics and astronautics, national defense and military industry, preservation of cultural relics.

High-Speed Printing

Printer supports multiple consumables and printing speed can be up to maximum 150mm/s. The machine adopts high strength sheet metal to reduce printing resonance. X/Y axis adopts industrial grade linear slider module and Z axis uses high precision double ball screw rod, which makes the process of printing fast and stable. Meanwhile, the nozzle adopts double heating system.

Leveling

Non-touch and high precision leveling sensor 16 points leveling automatic compensation Platform for fine-tuning.

Exclusive Invention Patent - Materials Blockage Detection

Support resume printing from outage, starved feeding and materials blockage detection. The printer adopts X/Y 57 stepper motor and high quality industrial grade mute driver module which makes the model printing accuracy higher and printing process mute.

Automatic Feeding and Discharging System

Double drive has strong power in discharging consumables, so machine will press uniform force on materials when feeding consumables.

Cabin with Complete Sealing & Thermostat

Sealed cabin, thermostat system, to stable operating temperature of cabin, to prevent curling and transformation of model, to ensure the personal safety of users.

SAMPLE EXHIBITION



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