3DFF-222

3DFF-222

FFF technology 3D desktop printer

Specifications	Content
Printer type	FFF technology molding method (Laminated solution type)
No. of nozzles	Single nozzle
Nozzle diameter	0.4 mm
Maximum build size (W x D x H)	210 x 200 x 195 mm
Layer pitch	0.05 to 0.40 mm
Filament	Mimaki genuine PLA filament only
Filament diameter	1.75 mm
Build speed	10 to 200 mm/s
Filament supply	Filament supplied automatically to automatic cartridge nozzle
Bed leveling	Semi-Auto leveling system
GUI	5-Inch full-touch screen
LED lamp	Integrated
Monitoring camera	From PCs, smartphones and tablets via Wi-Fi connection
Interface	USB2.0, Ethernet, Wi-Fi, USB memory
Slicing software	Dedicated slicing software (3DWOX Desktop Software)
Supported extensions	Stl, Ply, Obj, G-code (RepRap), Amf
Unit size (W x D x H)	421 x 433 x 439 mm
Weight	15 kg

■Unit

Item	Remark
3DFF-222	3D printer Included: Dedicated slicing software (3DWOX Desktop Software), Filament (PLA White), Filament cartridge

■Supplies

Item		Code	Remark
Filament	PLA Black	MMK3DPPBK-R	700g, IC chip
	PLA Wthie	MMK3DPPWH-R	
	PLA Green	MMK3DPPGR-R	
	PLA Gray	MMK3DPPGY-R	
	PLA Pink	MMK3DPPPI-R	
	PLA Purple	MMK3DPPPP-R	
	PLA Red	MMK3DPPRE-R	
	PLA Blue	MMK3DPPBL-R	
	PLA Yellow	MMK3DPPYE-R	
Filament cartridge		RDPP3700	
HEPA Filter		RDPP3574-AS	
Flexible bed		RDPU2550-ASQ	
Scraper		RDP18653FRQ	
Cleaning case		RDP11115FRQ	
Cleaning rubber		RDP11116FRQ	
Spring nozzle cleaner		RDPP4189FRQ	
Nozzle cleaner		RDPP4914FRQ	
Tube for cleaning		RDPP4990FRQ	

⚠ Precautions for 3D objects

・Please make sure to execute an advanced evaluation regarding the physical property (strength, weather resistance, safety etc.) for estimated applications.
・Depending on application, a post-processing might be necessary such as top coating or wiping by ethanol after removal of support material.

Sindoh × Mimaki

Sindoh Unmistakable

3DWOX 1 — 3DFF-222 — Sindoh

Sindoh × Mimaki

3DFF-222
FFF technology 3D desktop printer

UJF-6042 MkⅡ
UJF-3042 MkⅡ
UJF-7151 plus

Perfect for jig production

Remote monitoring

A camera and LED light are provided for remotely monitoring the building progress.
By just installing a mobile app to your smartphone or tablet computer, you can check the building progress from anywhere you desire.

Adoption of flexible metal bed

The flexible bed of the 3DFF-222 allows for the removal of formed objects by slightly bending the formation table (bed).
Unlike 3D printers requiring the use of scrapers for the removal of objects, the fabrication process can be implemented without safety concerns.
Additionally, the formation table (bed) is equipped with thermostatic functions enabling the stable formation of objects.
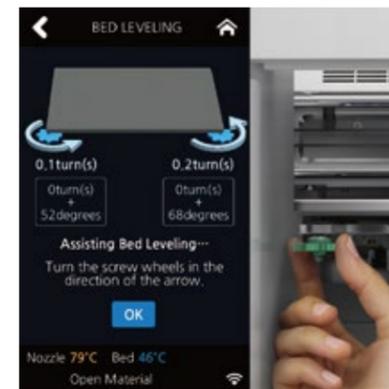
Adoption of HEPA filter

HEPA (High Efficiency Particulate Air) filter is a high-performance filter used in fields requiring air cleaning. The 3DFF-222 incorporates the HEPA filter to prevent contaminated air generated during 3D printing from being discharged into the work site.

Automatic filament supply

Filament installation is accomplished by inserting filament reels into a dedicated cartridge and sliding it to the main unit.
By this alone, the filament is supplied to the nozzle automatically. Complex threading of the filament through small nozzle openings is no longer necessary.
Automatic filament cutting capability also reduces bothersome tasks significantly after using the printer.

Bed leveling assist

Maintaining the horizontal of the formation table (bed) is the key aspect for 3D printers to produce perfectly formed objects.
3DFF-222 measures horizontal errors of the table automatically, providing accurate processing instructions on the color monitor.
This allows for the constant horizontal leveling of the table and enables stable formation.

Silent 3D printer

The adoption of high performance motor drivers reduces the 3D printing noise level to 45dB (almost to the level of a museum environment). The sound of printer operation no longer distracts people doing other tasks in the vicinity.