

QiDi Multifilament System for Max 4



Model: QIDI BOX (Max4)

Manufacturer: QIDI

EAN: 744581222672

Product Code: 1291923

R5,681

QiDi Box Multi-Filament System for the Max 4 Series

The QIDI Box for the Max 4 Series is a multi-filament system with 4 independent channels, designed for multicolor printing and use with various types of materials. The device supports 1.75 mm filaments, automatic spool switching, drying up to 65°C during printing, temperature and humidity monitoring, and smart recognition of QIDI filaments via NFC. A single QIDI Box holds 4 spools, and when the system is expanded to 4 units, you can use up to 16 colors or materials, allowing you to complete more complex projects without frequent manual filament changes.

Four independent channels and dual gearboxes

The filament feed system utilizes dual hardened steel gearboxes and four separate 42-type stepper motors—one for each channel. The design is adapted for both popular filaments and more

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demanding composite materials reinforced with carbon or glass fiber. The QIDI Box supports, among others, PLA, PETG, ABS, ASA, PET, PA, PC, PVA, and BVOH (after drying), PP, POM, HIPS, TPU 64D, and select CF and GF materials.

Drying up to 65°C and humidity control

The QIDI Box allows for simultaneous filament drying and printing, with a maximum drying temperature of 65°C. An airtight storage compartment, combined with the option to use a desiccant, helps minimize the impact of moisture on the filament, which is particularly important for hygroscopic materials. Temperature and humidity are monitored in real time, and their values can be viewed on the screen and in the QIDI Studio software.

Automatic Spool Change and Issue Detection

The automatic filament refilling feature switches the feed to a spare spool when the currently used material runs out. This solution reduces the risk of unnecessary interruptions during long prints while allowing for more efficient use of leftover material on spools. The system also monitors for filament shortages, tangles, and jams, enabling it to respond appropriately to issues with proper filament feeding.

NFC and Printing with Support Materials

NFC support enables automatic recognition of compatible QIDI filaments and adjustment of their settings without the need to manually enter parameters. The QIDI Box's multi-material design also allows for the use of a separate support filament, including materials designed to be easily snapped off or dissolved, which facilitates the printing of models with more complex geometries. However, for PVA and BVOH, the material must be properly dried before use.

Compatibility and Safety Precautions

Not every 1.75 mm filament is compatible with the QIDI Box. Among others, the system does not support TPE, standard TPU, TPU 95A, QIDI PAHT-CF, damp PVA and BVOH, certain Silk filaments—including PLA Silk—and glow-in-the-dark PLA, as well as other materials with excessive stiffness or flexibility. The device is also equipped with a smart PTC fuse and two temperature

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sensors that monitor operating conditions and automatically cut off the power supply upon detection of an abnormal temperature.

Included in the set

- QIDI Box for Max 4
- Power cord
- 8-4-pin signal cable
- BOX Hub signal cable
- BOX Hub
- PTFE tubing 1000 mm x 5
- Desiccant x 4
- PTFE tubing clamps x 2

Manufacturer	QIDI
Model	Box
Compatibility	Max 4
Device Dimensions	357 × 300 × 234 mm
Weight	4.35 kg
Housing Material	ABS/PC
Number of Channels	4
Maximum Expansion	Up to 4 QIDI Box units with appropriate accessories
Channel Indicators	4 independent indicator lights
Filament Diameter	1.75 mm
Supported Filaments	PLA, PETG, ABS, ASA, PET, PA, PC, PVA (dried), BVOH (dried), PP, POM, HIPS, TPU 64D, ABS-CF/GF, PLA-CF/GF, PETG-CF/GF, PPS-CF, PET-CF/GF
Unsupported filaments	TPE, standard TPU, TPU 95A, QIDI PAHT-CF, damp PVA and BVOH, select Silk materials (including PLA Silk), glow-in-the-dark PLA, and materials that are excessively stiff or flexible

Supported materials during drying	PLA, ABS, ASA, PA, PC, PET, PETG, PPS, PLA Wood
Maximum drying temperature	65°C
Simultaneous drying and printing	yes
Airtight filament storage	yes
Temperature and humidity monitoring	yes
NFC/RFID	yes
Filament monitoring	detection of tangles, jams, and filament shortages
Automatic switch to a spare spool	Yes
Compatible spool width	50-72 mm
Compatible spool diameter	195-202 mm
Power supply	110 V or 220-240 V AC, 50/60 Hz, depending on regional version
Maximum rated power	245 W

Information about data generation: <https://dataact.innpro.pl/QiDi/744581222672>, Gross weight: 6540, Box length: 40,50, Box width: 36,50, Box height: 29,50, PPWR: <https://ppwr.innpro.pl/qidi>, Net weight: 6000

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