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R QIDI TECHNOLOGY Q2C Combo

R QIDI TECHNOLOGY Q2C Combo 3D Printer Instruction Manual

1. Setup

1.1 Unboxing and Initial Setup

The QIDI Q2C Combo 3D Printer is designed for a rapid 15-minute setup. Its intuitive design and pre-assembled components significantly reduce the initial setup process, allowing you to focus on creation almost immediately.

Video: Q2C Combo Unboxing. This video demonstrates the unboxing process and initial steps to prepare your QIDI Q2C Combo 3D Printer for use.

1.2 Filament Loading

The Q2C Combo supports multi-filament printing with its QIDI BOX. Filaments are loaded into numbered slots (1-4) on the side of the printer. The system guides you through the loading process, ensuring the filament is fed into the appropriate slot and ready for printing.

Video: Filament Loading Demonstration. This video illustrates the process of loading multiple filament spools into the QIDI Q2C Combo 3D Printer, highlighting the numbered slots and the automatic feeding mechanism.

2. Operating Instructions

2.1 High Precision and Stability

The QIDI Q2C Combo ensures effortless high-precision printing. Its unique nozzle-integrated sensor provides automatic and reliable first-layer accuracy, unaffected by bed conditions. Enhanced 1.5GT belts effectively dampen vibrations, resulting in exceptionally smooth print surfaces. The robust full-metal CoreXY structure and precision linear rails contribute to exceptional stability for high-speed printing.

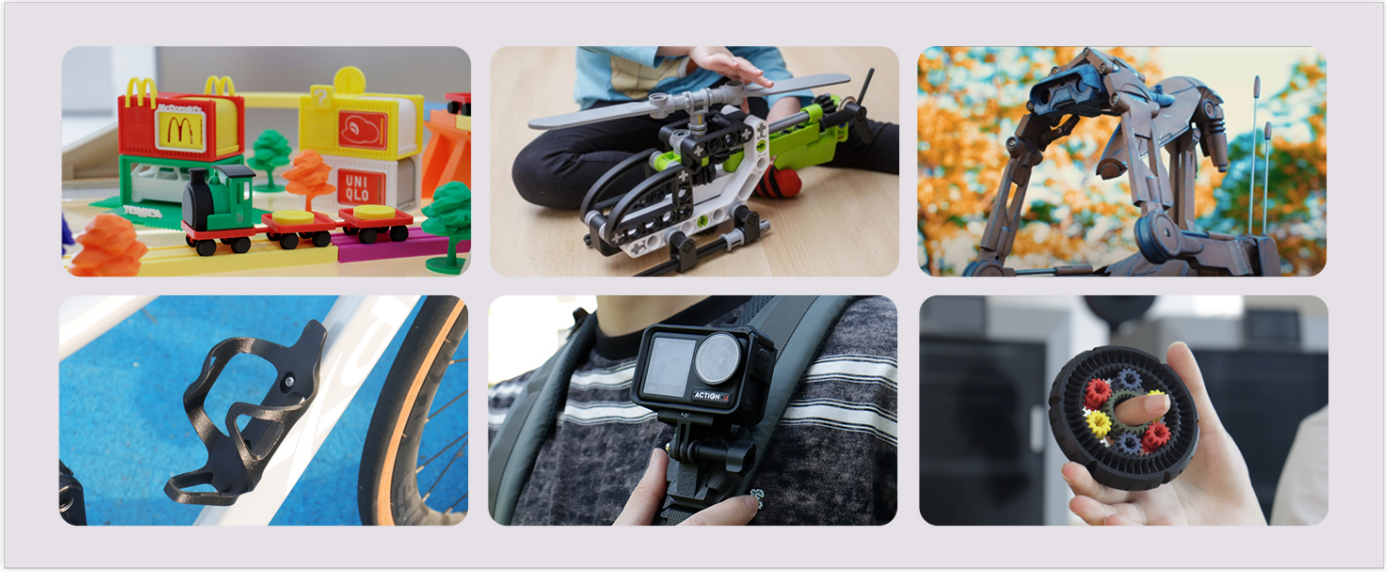


Image: Smart Resonance Control with 1.5GT Belts. This image highlights the printer's advanced belt system designed to minimize vibrations and produce smoother print surfaces.

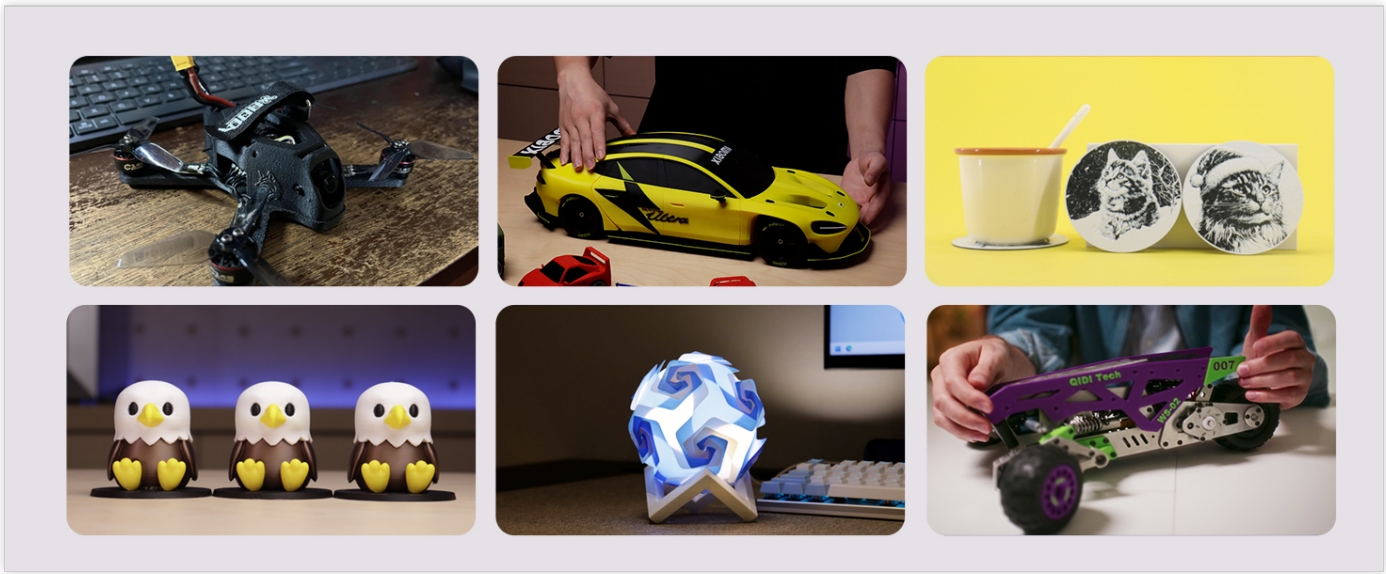


Image: Linear Guide Rail and CoreXY Full Metal Frame. This illustration shows the robust internal structure of the Q2C Combo, emphasizing its stability and precision.

2.2 Advanced Printing Capabilities

Engineered for professional performance, the QIDI Q2C 3D printer handles advanced materials like PPS-CF with a 370°C high-temperature nozzle. Reliability is guaranteed with auto-leveling, filament run-out, tangle detection (via QIDI BOX), and power-loss recovery.

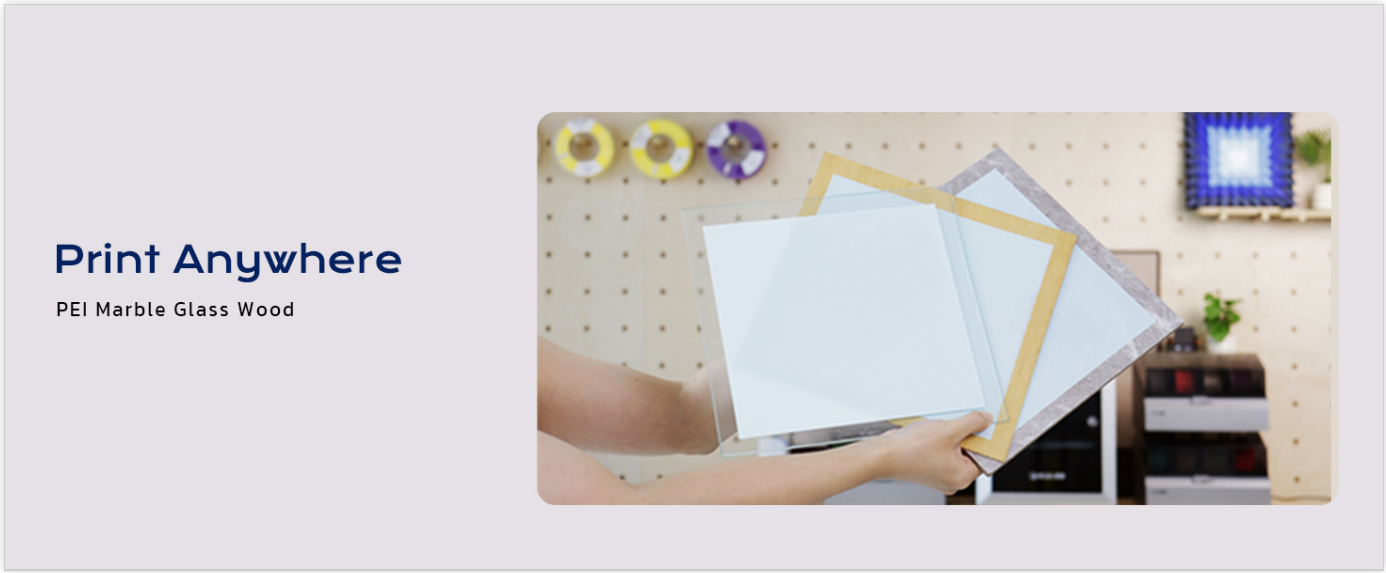


Image: 370°C Bimetal Hotend. This image highlights the high-temperature hotend, enabling printing with advanced materials like PPS-CF.



Image: New Generation Leveling Sensor. This image illustrates the nozzle-integrated sensor for unmatched first-layer accuracy and plug-and-play leveling.

2.3 Multi-Color and Multi-Material Printing

The Q2C Combo, when used with the QIDI BOX, enables up to 16-color multi-material 3D printing. It features dry-while-print technology to keep filaments dry for stable extrusion and smooth surfaces. It supports a wide range of materials including PLA, ABS, PETG, TPU, PA, PC, and carbon/glass-fiber composites.



Image: Multi-Color and Multi-Material Printing with QIDI BOX. This image showcases the printer's capability to handle multiple colors and materials simultaneously using the QIDI BOX.

2.4 Open-Source Flexibility and Remote Monitoring

With its open-source foundation, the Q2C empowers you to tailor both features and settings, creating a printing experience that is perfectly optimized for your needs. You can also monitor and control your prints remotely using the QIDI Studio software and the QIDI Mobile Application.



Image: QIDI Studio and QIDI Mobile Application. This image demonstrates the software and mobile app interface for remote slicing, printing, and monitoring.

3. Maintenance

3.1 Filament Management

Proper filament management is crucial for consistent print quality. Ensure filaments are loaded correctly into the numbered slots of the QIDI BOX. The system is designed to handle various filament brands, but always ensure the filament is properly fed to avoid issues.

Video: Filament Loading and Management. This video demonstrates how to properly load and manage filaments, including addressing potential issues like clicking sounds from the spool.

3.2 Air Quality Monitoring

While printing, especially with certain filament types, it's advisable to monitor the air quality in your printing environment. The QIDI Q2C Combo is designed to minimize emissions, and an air quality monitor can help ensure a safe breathing environment.

Video: Air Quality Monitor. This video shows an air quality monitor in proximity to the printer, indicating that the printer maintains good air

quality during operation.

4. Troubleshooting

4.1 Filament Clicking Issue

If you experience a clicking sound from the filament spool, especially from spool number one, it might indicate that a screw on the back end of the spool holder needs tightening. Access the back end by removing the screws and the plate, then tighten the loose screw to resolve the clicking.

Video: Resolving Filament Clicking. This video demonstrates how to address a clicking issue with the filament spool by accessing and tightening a screw on the back of the spool holder.

4.2 Print Quality and Speed

The QIDI Q2C Combo is capable of high-speed printing up to 600mm/s. While faster speeds can reduce print time, it's important to balance speed with desired print quality. Experiment with different speed settings to find the optimal balance for your specific models and filament types. The standard 300mm/s setting often provides a good balance of speed and quality.

Video: Print Speed Test. This video showcases print quality at various speeds, demonstrating the balance between print time and detail.

5. Specifications

5.1 Product Dimensions and Weight

Attribute	Value
Product Dimensions	21 x 20 x 23 inches (53.34 x 50.8 x 58.42 cm)
Item Weight	64 pounds (29.1 Kilograms)
Color	Black
Material	ABS and metal

5.2 Printing Parameters

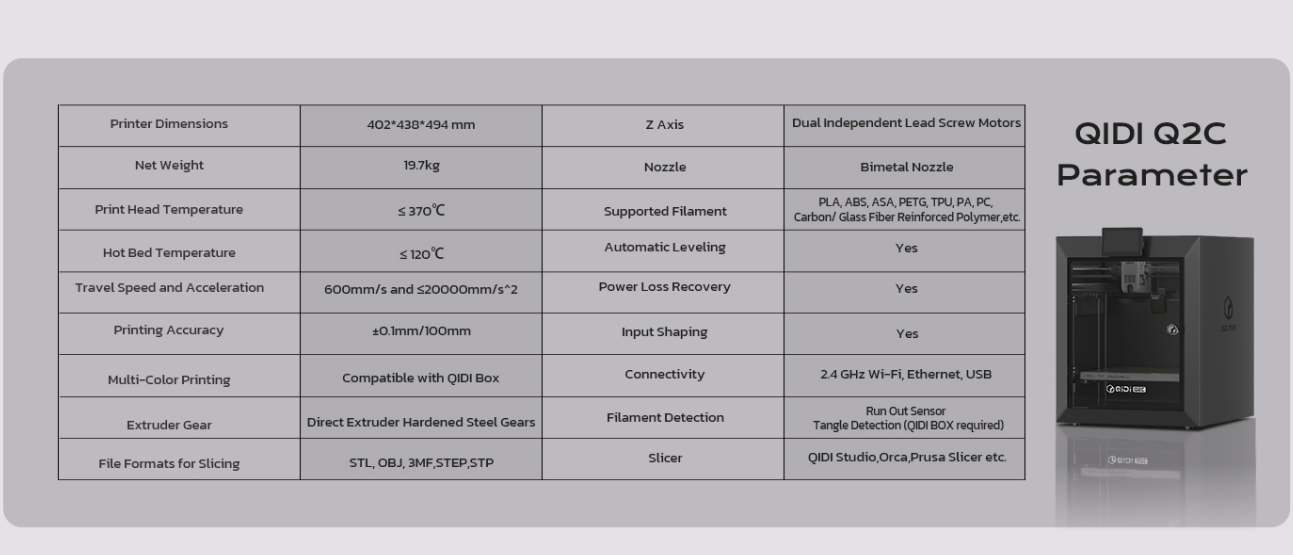


Image: Machine Parameter Table. This image provides a detailed table of the printer's technical specifications, including print head

temperature, bed temperature, and supported filaments.

5.3 What's in the Box

- Q2C 3D Printer
- QIDI BOX
- USB2.0 Flash Drive
- Glue Stick



Image: Package Contents. This image displays the various accessories and components included with the QIDI Q2C Combo 3D Printer.

6. Warranty and Support

R QIDI TECHNOLOGY provides a full after-sales service guarantee for its products. For any technical issues or assistance, please refer to the official support channels. Customer support is available to help resolve any operational or technical challenges you may encounter.

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