

MZK A3 Pro F1080

MZK A3 Pro F1080 DTF Printer with Oven User Manual

Model: A3 Pro F1080

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your MZK A3 Pro F1080 DTF Printer with Oven. Please read this manual thoroughly before using the product to ensure proper function and longevity.

2. SETUP

2.1 Unpacking and Initial Inspection

Carefully unpack all components from the packaging. Verify that all items listed in the 'What's in the Box' section are present and undamaged. If any items are missing or damaged, contact customer support immediately.

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Video 2.1: Unpacking the MZK A3 Plus XP600 DTF Printer. This video demonstrates the careful unpacking process and initial setup steps for the printer.

2.2 What's in the Box

- DTF Printer
- A3 DTF Oven
- 100m / 33CM Width DTF Film
- 6 Colors Ink (5 x 250ml bottles)
- DTF Powder
- Printhead Moisturizing Solution
- Maintenance Toolkit
- USB Tutorials (User manual file)
- Waste ink bottle
- Software dongle x 2
- Power Cable
- USB Cable
- Ink Syringe

- 2-Ink sac



Image 2.1: A visual representation of the various components included with the MZK DTF Printer, such as ink, film, powder, and accessories.

2.3 Ink Installation

Install the ink bottles into their designated slots. Ensure the pipelines are correctly accessed to allow for proper ink flow. The system supports 6 colors: Cyan, Magenta, Yellow, Black, and two White channels.

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Video 2.2: This video demonstrates the process of installing ink bottles and connecting the pipelines for the A3 Plus XP600 DTF Printer.

2.4 Software Installation

Install the dedicated DTF software using the provided USB tutorials. The software is compatible with Windows 7, 10, and 11 systems. macOS is not supported. The software allows for one-click printing and flexible image layout adjustments.

3. OPERATING INSTRUCTIONS

3.1 Printing Process Overview

The DTF printing process involves several steps: designing, printing onto film, applying powder, curing with the oven, and finally heat pressing onto the garment.

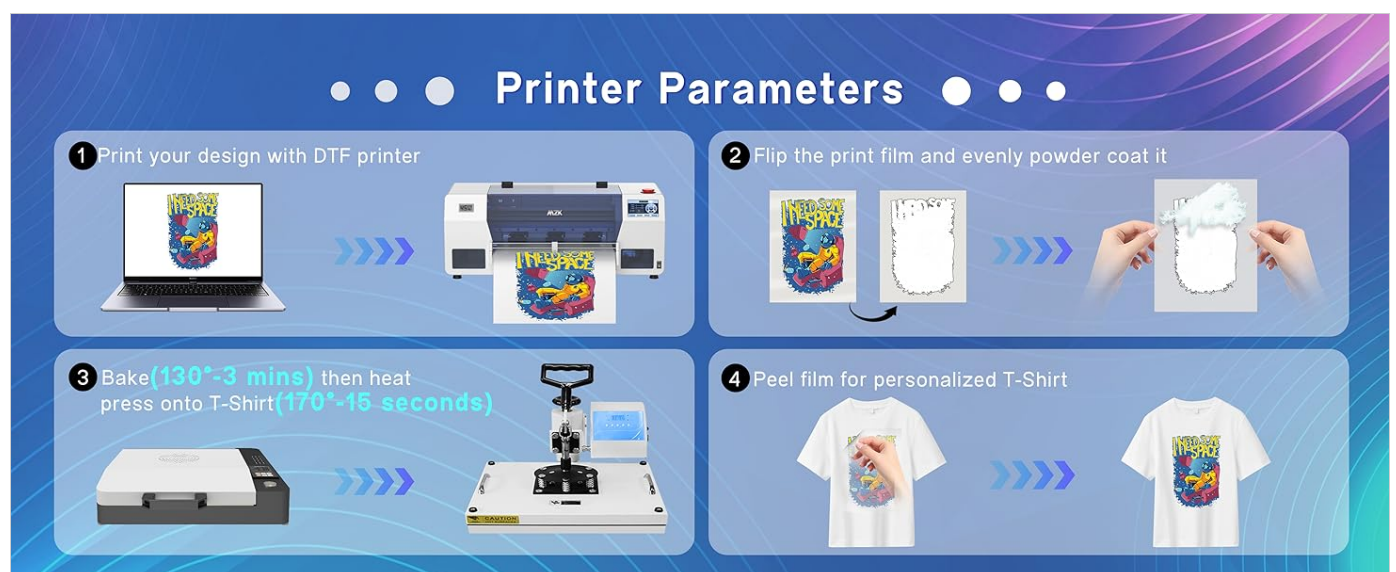


Image 3.1: A visual guide to the DTF printing workflow, from design to final heat press application.

3.2 Preparing for Print

- Ensure the printer is powered on and connected to your computer via USB.
- Load the 33CM width DTF film into the printer.
- Open the DTF software and prepare your design. The software supports multi-pattern and multi-task editing.
- Perform a nozzle check and printhead cleaning if necessary using the 5-inch LED touchscreen.

Powerful Machine Functions & Designs

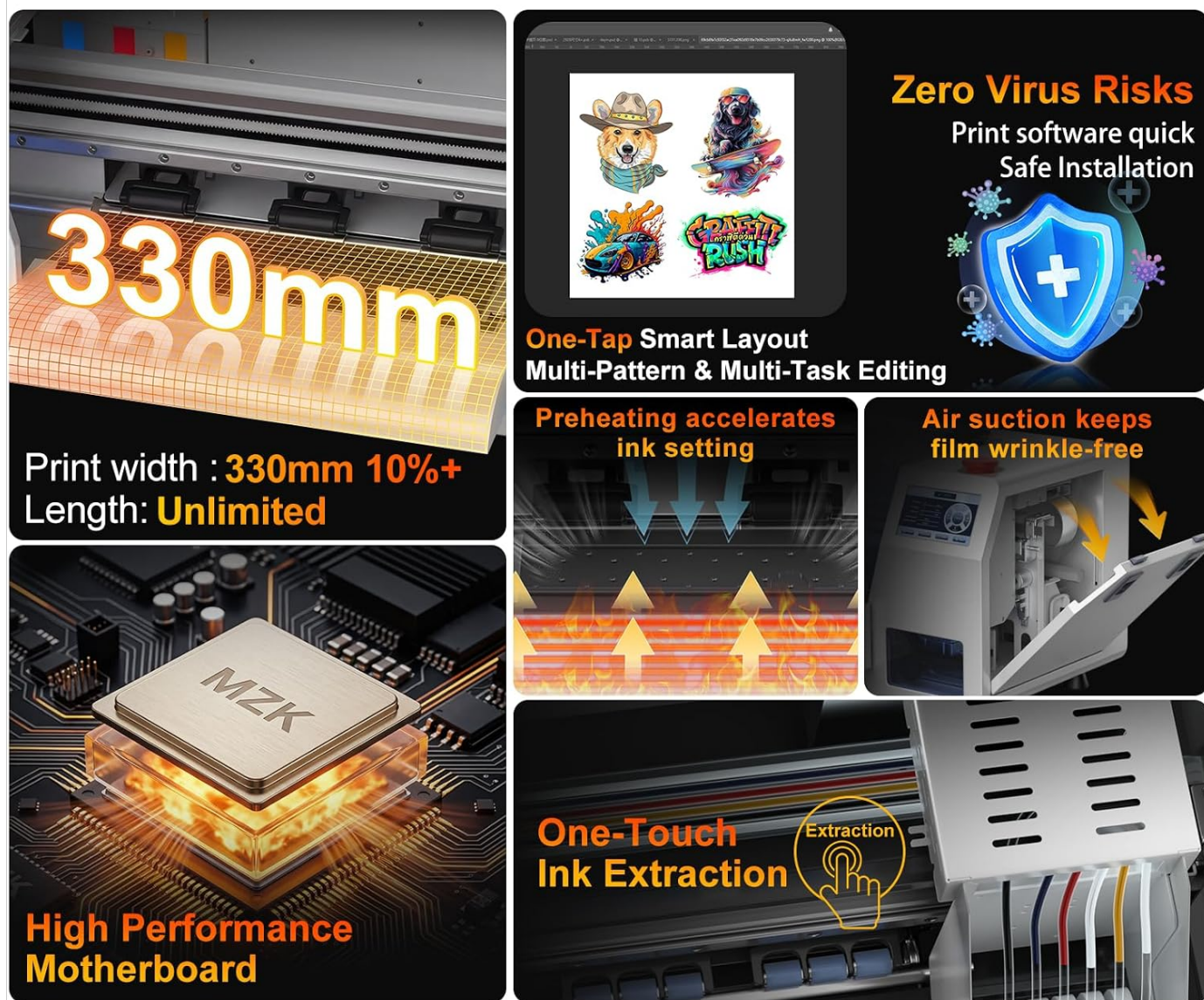


Image 3.2: The printer's 5-inch LED touchscreen, which allows direct control over functions like nozzle checks and printhead cleaning.

3.3 Printing and Curing

Initiate printing from the software. The F1080 printhead supports a maximum resolution of 2880×1440 dpi. After printing, apply DTF powder evenly to the wet ink on the film. Place the powdered film into the A3 DTF Oven for curing. Recommended baking temperature is 130°C for 3 minutes.

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Video 3.3: A demonstration of the MZK A3 Plus XP600 DTF Printer in operation, showing the printing process and the quality of the output.



Image 3.3: The MZK DTF Printer in action, highlighting its ability to produce high-quality, vibrant prints with improved color accuracy.

3.4 Heat Press Application

Once the film is cured, it is ready for transfer. Place the film onto your desired garment and use a heat press at 170°C for 15 seconds. After pressing, peel the film to reveal your personalized T-shirt or apparel.

4. MAINTENANCE

4.1 Anti-Clogging System

The printer features an intelligent timed anti-clogging cleaning system, also known as Holiday Mode. This system performs automatic cleaning during periods of inactivity to prevent nozzle clogging. The 3-in-1 ink system continuously circulates, mixes, and filters ink, which is crucial for white ink to prevent sedimentation and ensure smooth printing.



Image 4.1: Illustration of the printer's automatic cleaning and maintenance features, including the 3-in-1 white ink system.

4.2 Ink Monitoring System

The dual ink monitoring system provides real-time alerts for low ink levels and waste ink overflow. A smart 10% low-ink alert indicates when a specific tank requires refilling, and the waste ink warning prevents spills and maintains a clean workspace.

Smarter Correction. Sharper Details.

Add ICC Waveform Detection
Automatic Correction



100% Transfer Rate



2880*1440 DPI



CMYK+WW 6-Color

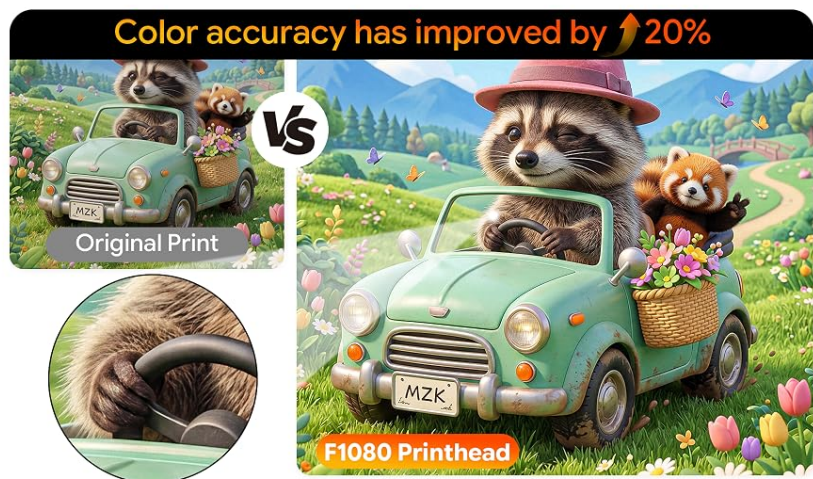


Image 4.2: Diagram showing the advanced dual ink alarm system with indicators for low ink and waste ink overflow.

4.3 Regular Cleaning

Regularly clean the printer's exterior and ensure the film path is free of debris. Refer to the maintenance toolkit and USB tutorials for detailed cleaning procedures for the printhead and other internal components.

5. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, refer to the USB tutorials or contact MZK technical support.

5.1 Print Quality Issues

- **Streaks or Missing Colors:** Perform a nozzle check and printhead cleaning. Ensure ink levels are sufficient.
- **Faded Prints:** Check ink levels. Ensure the correct ICC profile is selected in the software.
- **White Ink Not Printing:** Verify white ink circulation is active. Perform a white ink channel cleaning.

5.2 Printer Not Responding

- **No Power:** Check power cable connections and power outlet.
- **Not Connected:** Ensure USB cable is securely connected to both the printer and computer. Restart the printer and computer.

5.3 Error Messages

Refer to the specific error code displayed on the 5-inch LED touchscreen or in the software. Consult the USB tutorials for a list of error codes and their solutions. If the issue persists, contact technical support.

6. SPECIFICATIONS

Feature	Detail
Brand	MZK
Model Name	33CM-H-F1080

Printing Technology	Self-cleaning Inkjet
Connectivity Technology	USB
Printhead	F1080 (XP600 Gen 2)
Maximum Print Resolution	2880 x 1440 dpi
Maximum Print Speed (Color)	0.5 pages/minute (A3-size film in 4 minutes, up to 15 sheets/hour)
Print Width	330mm / 13 inches+
Ink Color	Cyan, Magenta, Yellow, Black, White (6-color CMYK+WW)
Control Method	Touch (5-inch LED Touchscreen)
Product Dimensions (D x W x H)	13"D x 29"W x 13"H
Software Compatibility	Windows 7, 10, 11 (macOS not supported)
Special Features	Automatic Time Cleaning printhead, 35 SQ FT ² /HR, Dual Ink Level Alarm System, White Ink System, Smart panel, Ink Anti-Clog Design, Self-developed high-performance motherboard, 3-in-1 printhead protection, G7-certified color accuracy, Multi-Fabric Compatible

Advanced Dual Alarm System

1 Waste Ink Overflow Warnings

Waste Ink Tank levels Alarm
Prevents messy spills and costly overflows

2 Color-Coded Ink Low Alerts

Smart 10% Low-Ink Alert
Know exactly when to refill

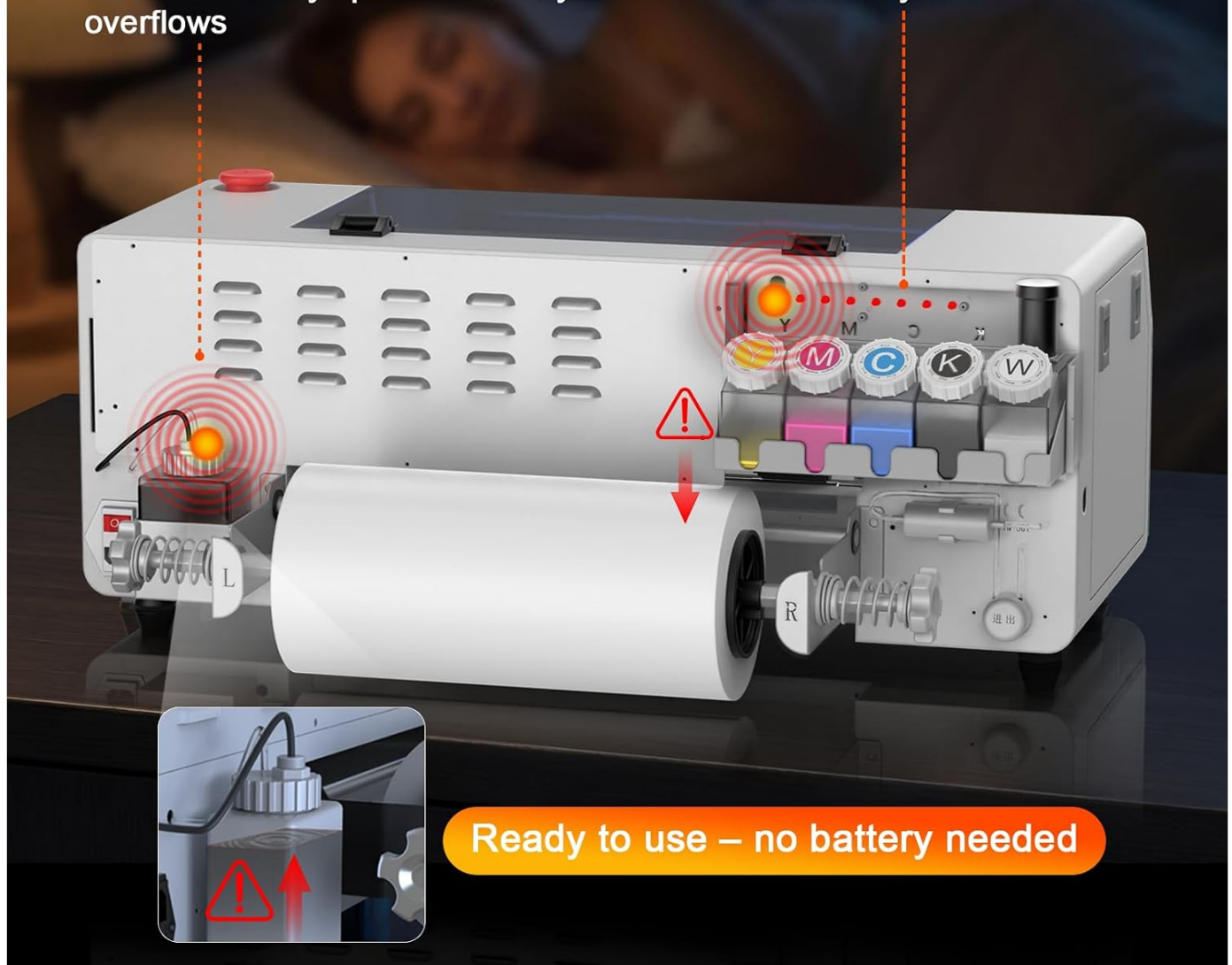


Image 6.1: Visual representation of the printer's dimensions and key specifications.

7. WARRANTY AND SUPPORT

7.1 Product Warranty

MZK DTF printers include a 1-year warranty on non-consumable parts and a 6-month warranty on the printhead. This warranty covers manufacturing defects and malfunctions under normal use conditions.

7.2 Technical Support

An experienced technical team is available to provide assistance within 24 hours for installation, troubleshooting, and printing-related issues. Lifetime technical support is provided.

- **Email:** mzkservice@outlook.com
- **Phone:** +86 15874762852
- Remote Services and Live Chat with MZK technicians are also available.



Image 7.1: Details on how to contact MZK customer service for technical support and warranty inquiries.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question