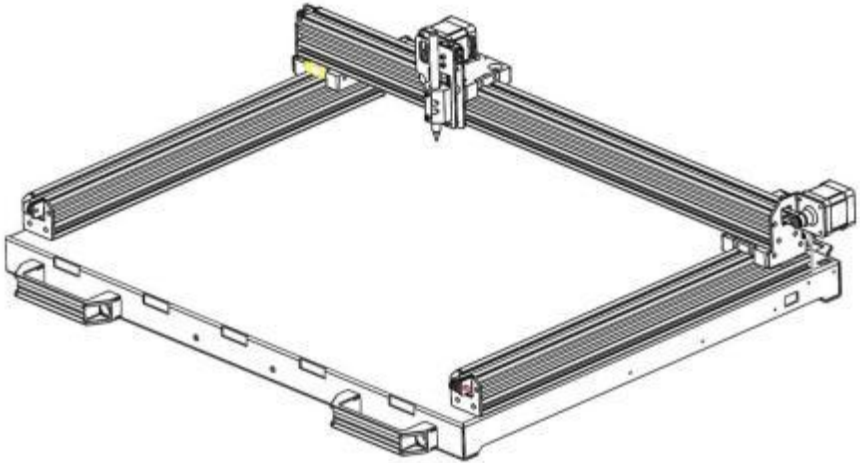




# UUNA TEK 3.0 Pen Plotter

## User Manual

Highend All-in-One Drawing Machines  
[www.uunatek.com](http://www.uunatek.com)



2024-08

Version No.: V2.0  
UUNA TEK CO., LIMITED



## Special tips

This series of instructions and tutorials will be continuously improved and upgraded, subject to no notice except for official accounts.

### **Please contact us with following information:**

- Phone/Whatsapp/Wechat/Telegram: +852 6997 8405 (Available from 9:00 AM to 6:00 PM Hong Kong Time)
- Email: [support@uunatek.com](mailto:support@uunatek.com)
- Zoom Meeting: <https://calendly.com/uunatek/uuna-tek-3-0-support>
- Company Address :

UUNA TEK® CO.,LIMITED

FLAT/RM B3, 19/F, TUNG LEE COMMERCIAL BUILDING,91-97 JERVOIS STREET, SHEUNG WAN, HONGKONG

- Facebook/Twitter/Instagram: [@uunatek](#)

### **License, Software Download, User Manual, Video Guide**

You can find the registration licence via your Software - Help - Machine

Information, download the latest software, user manual and watch video guide

here: <https://uunatek.com/pages/downloads>



## Parameters

- Adapter Input voltage: AC 110V-220V
- Rated voltage: DC 12V-24V
- Using conditions: Computer + network

Model	Size(mm)	Weight
UUNA TEK 3.0-A0	1366×1030×205	48.0kg
UUNA TEK 3.0-A1	1018×785×205	32.0kg
UUNA TEK 3.0-A2	758×580×194	17.5kg
UUNA TEK 3.0-A3	575×450×194	11.0kg

### Note:

#### For you to use the machine safely and normally, note the following:

- Do not remove the machine parts freely.
- Do not try to block the running part of the machine.
- Please use it in environments away from high-power appliances and equipment.
- Pay attention to be dust-proof and water-proof.
- Before each startup, check that the size required for the task exceeds the effective working area of the machine.

### Warning:

This equipment and accessories contain small accessories, please keep the children away, to prevent the children from swallowing and causing damage.



## Unpacking and Inspection

Please check whether the package is intact and whether the machine is broken and deformed. If there is damage, send photos or videos to customer service, and contact us as soon as possible. Check whether the items listed in the packing list are complete.

### **Packing list:**

1. UUNA TEK 3.0 Pen Plotter ×1
  2. User Manual ×1
  3. Accessory Kit ×1
- USB Data wire×1
  - Magnet×4
  - Power adapter×1
  - Power connection line×1
  - Auxiliary regulator plate×



# Maintenance Guide

## 1. Introduction

The UUNA TEK 3.0 Pen Plotter is a high-end precision device designed for detailed and accurate plotting. Regular maintenance ensures optimal performance and extends the lifespan of your machine. This guide provides step-by-step instructions for maintaining your plotter.

## 2. Safety Precautions

Before performing any maintenance, follow these safety guidelines:

**Power Off:** Always turn off and unplug the plotter before maintenance.

**Protective Gear:** Wear gloves and safety glasses when handling components.

**Proper Tools:** Use only recommended tools to avoid damage.

**Static Discharge:** Ground yourself to prevent static discharge damage to electronic components.

## 3. Daily Maintenance

Perform these tasks at the end of each day's use:

### 3.1 Clean the Plotter Surface

**Remove Dust:** Use a soft, lint-free cloth to wipe down the plotter's exterior and plotting surface.

**Check Pen Holder:** Ensure the pen holder is free from ink residue and debris.

### 3.2 Inspect Plotting Pens

**Check Ink Levels:** Verify that the ink levels in the plotting pens are sufficient. Replace or refill as necessary.

**Pen Tip Condition:** Examine the pen tips for wear or damage. Replace any worn-out tips.

## 4. Weekly Maintenance

Perform these tasks weekly to keep the plotter in top condition:



#### 4.1 Clean the Carriage and Rails

**Clean Rails:** Use a microfiber cloth to clean the carriage rails. Avoid using solvents that could damage the coating.

**Lubricate Rails:** Apply a light, recommended lubricant to the rails to ensure smooth carriage movement.

#### 4.2 Inspect and Clean the Drive Belt

**Visual Inspection:** Check the drive belt for signs of wear, cracks, or fraying.

**Clean Belt:** If needed, clean the belt with a damp cloth to remove dust or debris. Ensure the belt is dry before operating the plotter again.

### **5. Monthly Maintenance**

Monthly tasks focus on deeper cleaning and inspection of mechanical and electronic components:

#### 5.1 Check the Firmware

**Update Firmware:** Ensure the plotter's firmware is up to date. Follow the manufacturer's instructions for updating if needed.

#### 5.2 Deep Clean the Plotting Head

**Remove Debris:** Carefully clean the plotting head with a lint-free cloth. Pay attention to any moving parts.

**Calibration:** Run a calibration check to ensure the plotting head is properly aligned.

#### 5.3 Inspect and Tighten Screws

**Check Screws:** Inspect all screws on the plotter, especially those on the carriage and frame. Tighten any loose screws to maintain structural integrity.

### **6. Troubleshooting Common Issues**

#### 6.1 Uneven Line Quality

**Cause:** This could be due to a worn pen tip or debris on the plotting surface.

**Solution:** Replace the pen tip and clean the plotting surface.

#### 6.2 Carriage Jamming

**Cause:** Obstruction in the carriage path or lack of lubrication.



Solution: Check for obstructions and clean the carriage path. Apply lubricant to the rails.

### 6.3 Plotter Not Responding

Cause: Possible firmware issue or power supply problem.

Solution: Check the power supply and ensure the firmware is up to date. Restart the plotter.

## 7. Best Practices

Regular Maintenance: Adhere to the maintenance schedule outlined in this guide.

Proper Storage: When not in use, cover the plotter to protect it from dust.

Environment: Operate the plotter in a clean, dry environment to prevent contamination.

## 8. Technical Support

If you encounter issues beyond routine maintenance or need replacement parts, contact UUNA TEK's customer support at [support@uunatek.com](mailto:support@uunatek.com) or visit our website for additional resources.



## **FAQ (Frequently Asked Questions)**

**Here are answers to some common queries.**

Invoice Inquiry: Email [support@uunatek.com](mailto:support@uunatek.com) to receive the official invoice.

### **Technical Support Procedure:**

1. Share a short video showcasing connections and software settings.
2. We'll provide video guides or tutorials to help resolve the issue.
3. If needed, we'll arrange an online meeting with our engineers.
4. Quality issues? We offer free replacements or full refund.



## Warranty Card

Product model: \_\_\_\_\_

Serial number: \_\_\_\_\_

Date of purchase: \_\_\_\_\_

Customer name: \_\_\_\_\_

Contact number: \_\_\_\_\_

Shipping address: \_\_\_\_\_

### **Statement:**

The machine is free warranty for 12 months, no human damage, responsible for lifelong maintenance. We bear the maintenance costs, and consumers bear the freight generated by sending repair and returning.

Sincerely,

UUNA TEK Team