

# Maintenance Guide

SOURCE:

<https://support.zortrax.com/m200-maintenance-guide/>

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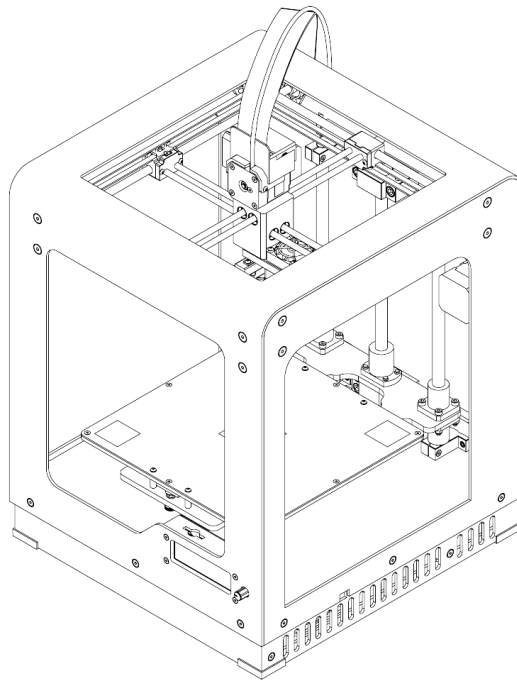
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# Main



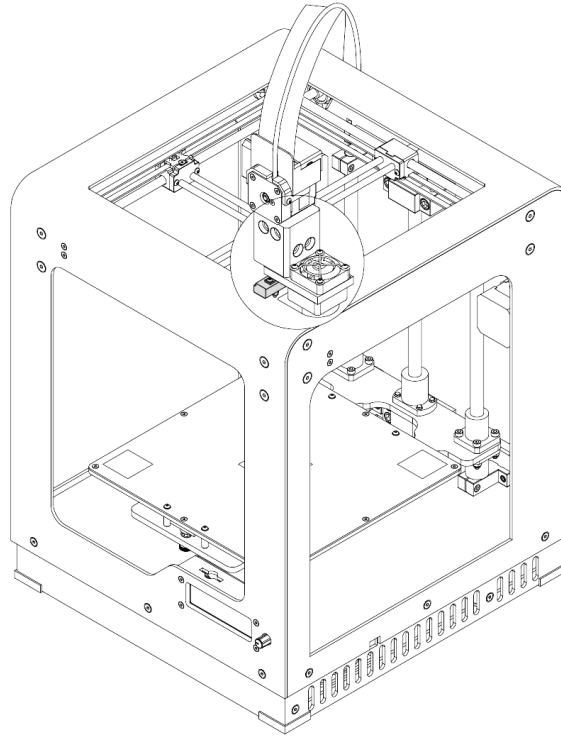
## **ACTIVITY**

Cleaning the machine, its interior and surroundings, especially the bottom plate under the platform

## **FREQUENCY**

Before each printing

# Hotend



## **ACTIVITY**

Checking if the hotend and the nozzle are not clogged and if they are clean from material residues

Cleaning the nozzle

Checking if the screws that secure the heater and thermocouple are tightened

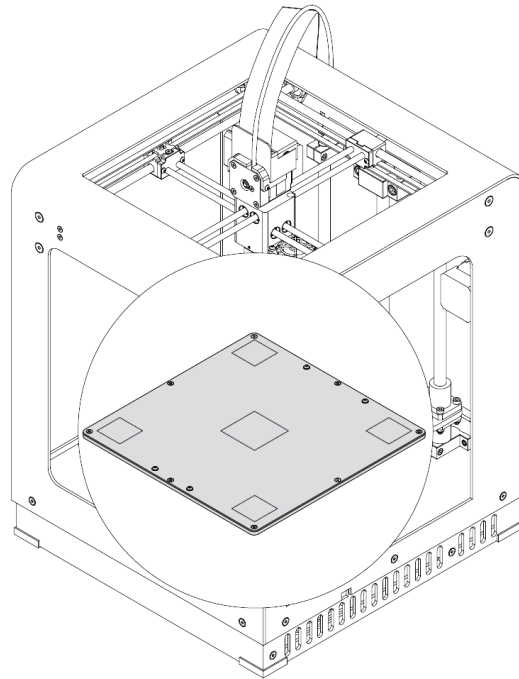
## **FREQUENCY**

Before each printing

After finishing one spool of material

Every 300 working hours

# Platform



## **ACTIVITY**

Cleaning the perforated plate with a spatula

Checking the perforated plate for deformation

Autocalibration

Cleaning the heatbed and the underside of the perforated plate with a spatula and acetone

## **FREQUENCY**

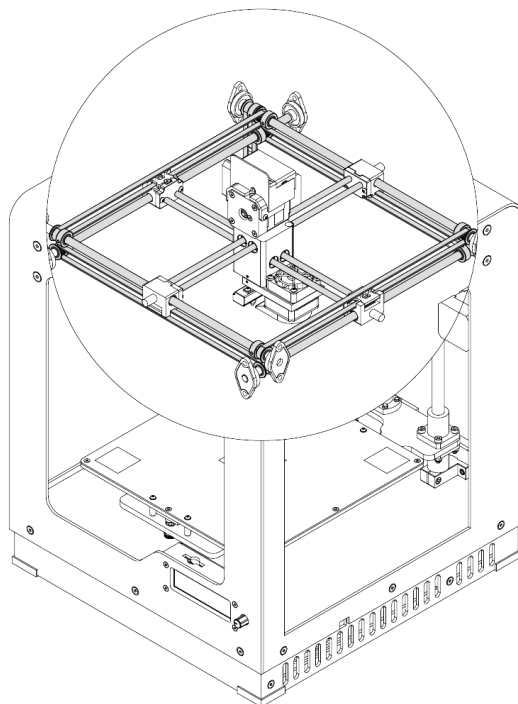
Before each printing

Before each printing

Every 200 working hours

Every 300 working hours

## X/Y Axes; Extruder Guide Rails



### ACTIVITY

Checking if the axes and the extruder guide rails are clean from material remains and dust

Checking the tension of the drive belts on the X/Y axes

Checking the tension of the drive belts between the motors and the X/Y axes

Checking if the screws on the X/Y axes and the motors pulleys are tightened

Checking if the extruder moves freely when the printer is off

Lubricating the X/Y axes and the extruder guide rails

### FREQUENCY

Before each printing

Every 300 working hours

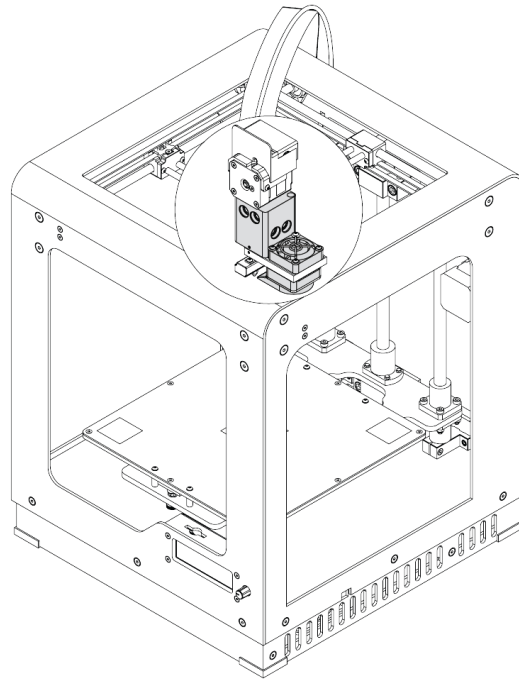
Every 300 working hours

Every 300 working hours

Every 300 working hours

Every 400 working hours

# Extruder



## ACTIVITY

Checking if the screws that secure the hotend are not loose and, if necessary, tightening them

Removing the material remains and lumps from the extruder

Checking if the fans are working

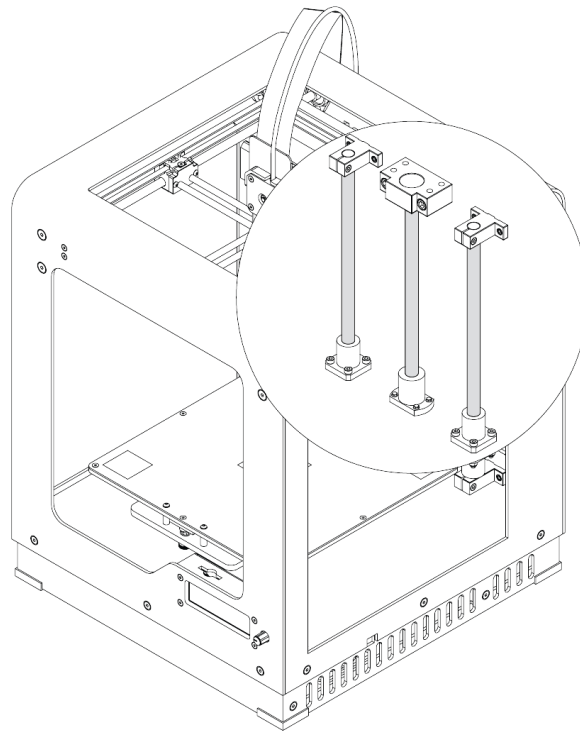
## FREQUENCY

Every 300 working hours

Every 300 working hours

Every 300 working hours

## Z axis



### ACTIVITY

Checking if the Z-axis screw and rails are clean from material remains

Checking if the screws and nuts are properly secured

**NOTE: Due to design characteristics, the screws that secure the Z-axis screw nut cannot be fully tightened!**

Lubricating the Z axis and rails

### FREQUENCY

Before each printing

Every 300 working hours

Every 400 working hours



## Lifespan of particular components

The table shows an approximate lifespan of parts that are exposed to natural wear and tear. In order to maintain the printer in good condition and to provide the highest printing quality, it's advisable to replace particular components after an appropriate period of time indicated in the table.

<b>Nozzle</b>	<b>Hotend</b>	<b>Perforated Plate v2</b>	<b>Extruder Cable</b>	<b>Heater and Thermocouple</b>	<b>Extruder Fans 40x40</b>
Every 250 working hours	Every 350 working hours	Every 700 working hours	Every 500 working hours (when using Extruder Printed Cover v2)	Every 400 working hours	Every 500 working hours