Anatomy DittoPro

We are here to help you speak our language in case something goes wrong with your DittoPro. Speaking the same terminology will help us get you up and running faster.

The anatomy of the DittoPro will also help teach you some industry terminology. We hope that they become useful when explaining parts of the printers to your students in your classroom when they ask.

- **Print Head**
  - Sometimes referred to as the hotend. It is the part that melts the PLA.

- **Glass Print Surface**
  - Apply blue tape or glue stick and print on it!

- **Print Surface Clips**
  - Holds the print surface in place while printing.

- **X Motor**
  - Motor that moves the X-axis.

- **X Loop Belt**
  - Connects X-motor to the gantry.

- **Z-Axis Endstop**
  - This tells the print bed that it is at the home position for the Z-axis.

- **Thumb Screw**
  - Used to adjust the level of your print surface.

- **LCD Knob**
  - Use this to navigate the menu.

- **SD Card Slot**
  - This is where you put the SD card.

- **LCD Screen**
  - Displays the menu.
Back View

- Spool Holder: Holds your filament spool in place.
- Filament Guide Tube: Guides the filament into the carriage of the printer.
- Power Switch: Turns your printer on and off.
- Power Socket: Plug in your power cable here.
- Motor Compartment: Compartment with X and Y-motors.
- Certification Label: Looking for your serial number? You'll find it on this sticker or at this location.
- USB Socket: Used only for updating firmware.
**Electronics Cooling Fan**
Ensures that the electronic motor drivers are cool and can operate at an optimum temperature.

**Feet**
Lifts the printer off the surface to ensure there is enough space for proper air flow to the electronics.
**Carriage Front View**

- **Fan Ducts**: Directs the airflow to the object being printed.
- **Drive Gear**: Pushes the filament into the print head.
- **Print Cooling Fan**: Provides airflow and cooling to the object being printed.
- **Print Head Sleeve**: Insulation to keep the heating element warm. It helps to regulate the temperature.
Carriage Back View

- **Print Head Cooling Fan**: Cools the print head.
- **Thermistor Wire**: Wires that lead to the temperature sensor.
- **Heater Cartridge Wire**: Wires leading to the heating element of the print head.
The assembly that moves around during a print.

Press this to make it easier to insert and remove filament.

If your drive gear gets dirty, this slot gives you access to the screw holding the drive gear.
This tells the printer that it is at the home position for the X-axis.

Belt Tensioner
Tensioning screw that keeps the gantry belt taut.

Y-Axis Endstop
This tells the printer that it is at the home position for the Y-axis.