# SPECIFICATION SHEET

## ULTIMAKER 2+

1. PRINT HEAD CABLE
2. BOWDEN TUBE
3. PRINT HEAD
4. BUILD PLATE
5. BUILD PLATE CLAMPS
6. BUILD PLATE SCREWS
7. SD CARD SLOT
8. PUSH/ROTATE BUTTON
9. DISPLAY
10. FEEDER
11. SPOOL HOLDER
12. POWER SOCKET
13. POWER SWITCH
14. USB SOCKET

**Ultimaker**
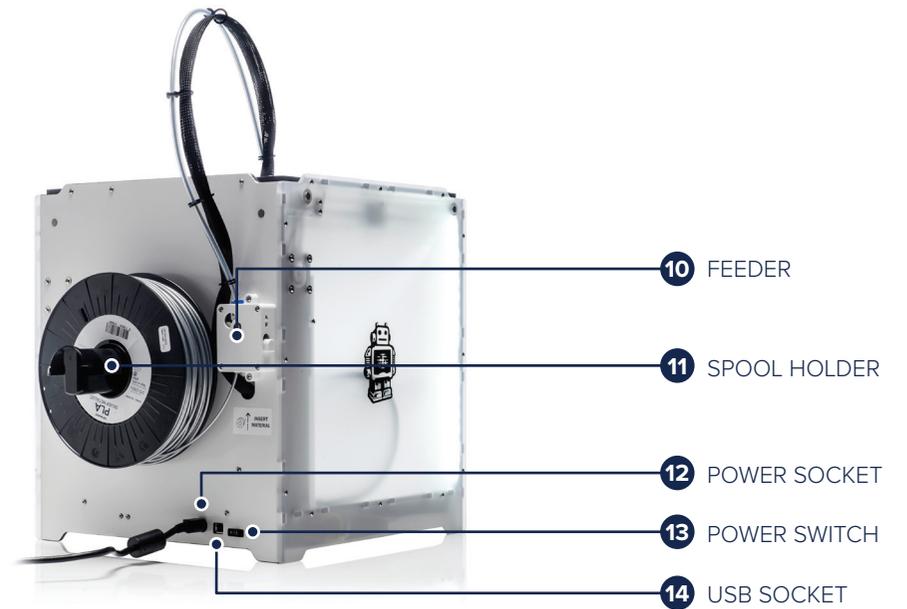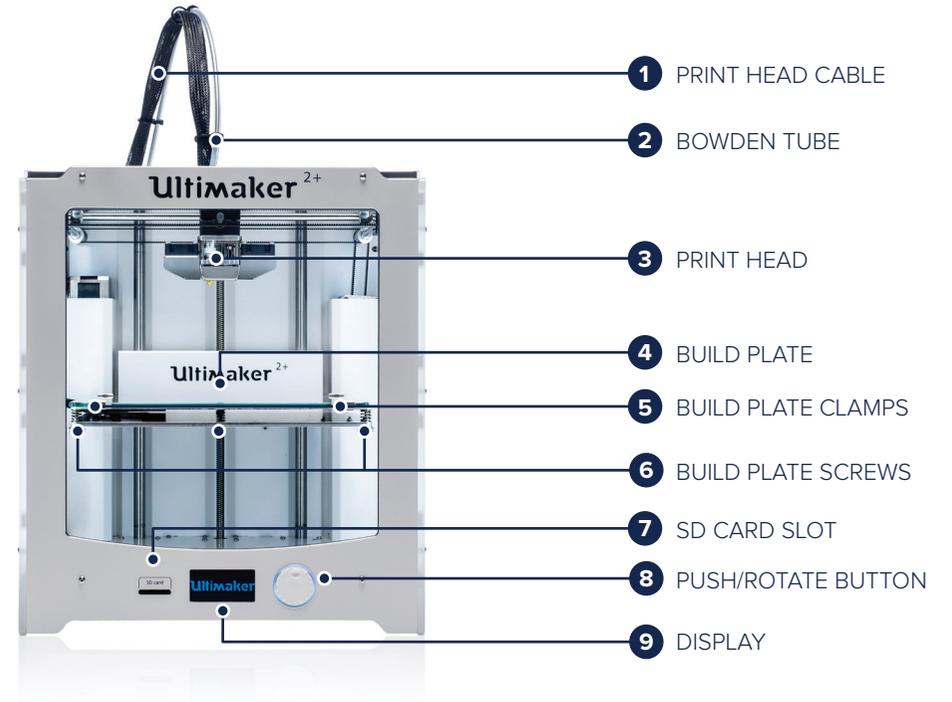
# SPECIFICATIONS

## PRINTER AND PRINTING PROPERTIES

| | |
|---|---|
| Print technology | Fused Filament Fabrication (FFF) |
| Print head | Swappable nozzle |
| Build volume | 223 x 223 x 205 mm |
| Filament diameter | 2.85 mm |
| Layer resolution | 0.25 mm nozzle: 150 to 60 micron |
| | 0.4 mm nozzle: 200 to 20 micron |
| | 0.6 mm nozzle: 400 to 20 micron |
| | 0.8 mm nozzle: 600 to 20 micron |
| X, Y, Z accuracy | 12.5, 12.5, 5 micron |
| Print head travel speed | 30 to 300 mm/s |
| Extrusion speed | 0.25 mm nozzle: up to 8 mm³/s |
| | 0.4 mm nozzle: up to 16 mm³/s |
| | 0.6 mm nozzle: up to 23 mm³/s |
| | 0.8 mm nozzle: up to 24 mm³/s |
| Build plate | Heated glass build plate (20° to 100° C) |
| Supported materials | PLA, ABS, CPE (Open Filament System)* |
| Nozzle diameter | 0.25, 0.4, 0.6, 0.8 mm |
| Nozzle temperature | 180° to 260° C |
| Build plate temperature | 50° to 100° C |
| Nozzle heat up time | ~ 1 minute |
| Build plate heat up time | < 4 minutes |
| Average operating sound | 50 dBA |
| File transfer | Standalone 3D printing from SD card |
| Build plate leveling | Manual, assisted leveling process |

*Ultimaker printers can be used with third party filament. However for the best printing results we recommend you use Ultimaker PLA, ABS or CPE.

## PHYSICAL DIMENSIONS

| | |
|---|---|
| Dimensions (excluding bowden tube and spoolholder) | 357 x 342 x 388 mm |
| Dimensions (including bowden tube and spoolholder) | 493 x 342 x 588 mm |
| Nett weight | 11.3 kg |
| Shipping weight | 18.5 kg |

## POWER REQUIREMENTS

| | |
|---|---|
| Input | 100 - 240 V |
| | 4 A, 50 - 60 Hz |
| | 221 W max. |
| Output | 24 V DC, 9.2 A |

## AMBIENT CONDITIONS

| | |
|---|---|
| Operating ambient temperature | 15° to 32° C |
| Nonoperating temperature | 0° to 32° C |

## SOFTWARE

| | |
|---|---|
| Print preparation | Cura - Official Ultimaker Software (free) |
| | (prepared for nozzle size selection) |
| Supported OS | Mac OS X, Windows, Linux |
| Supported file types | STL, OBJ, DAE |

## WARRANTY

The Ultimaker 2+ comes with a 1 year warranty (excluding the hot end) and free lifetime support.

Learn more about our services on the warranty page at
www.ultimaker.com/warranty

## CERTIFICATES

The Ultimaker 2+ has CE marking and is therefore in compliance with the essential requirements of the Machinery Directive, Electromagnetic Compatibility Directive, RoHS, RoHS II and Reach.

The official CE certificate can be downloaded here
www.ultimaker.com/safety