

3d Printing Discord Survey

This survey aims to collect data on the consumers of 3d printers. The survey is available to anyone in the 3d Printing discord (currently at over 27,000 members), though only members that have owned or currently own printers should fill it out.

All information gathered is confidential and anonymous. The data will be used to inform the design of 3d printer or ecosystem. The aim is to mitigate some or all of the sustainability issues caused by consumer 3d printing.

* Required

1. Age

Optional

- ☐ Under 18
- ☐ 18-24
- ☐ 35-44
- ☐ 45-54
- ☐ 55-64
- ☐ Over 65

2. When did you buy your first 3d printer? *

- ☐ 1 or less years ago
- ☐ 2 years ago
- ☐ 3 years ago
- ☐ 4 years ago
- ☐ 5 years ago
- ☐ 6 years ago
- ☐ 7 years ago
- ☐ 8 years ago
- ☐ 9 years ago
- ☐ 10 or more years ago

3. How much did your first 3d printer cost? *

- ☐ Under £100
- ☐ £100 - £200
- ☐ £200 - £300
- ☐ £300 - £400
- ☐ £400 - £500
- ☐ Over £500

4. How many 3d printers have you owned? *

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8
- ☐ 9
- ☐ 10 or more

5. How many 3d printers do you currently own? *

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8
- ☐ 9
- ☐ 10 or more

6. Would you want to buy a new printer in the foreseeable future? *

Assume that your printer continues to perform at its current level

- ☐ Yes
- ☐ No
- ☐ Maybe

7. Please elaborate

Optional

8. How much do you still use your first 3d printer? *

Note: If you have only owned one printer but only use it once a year, it is still your most used printer.

- ☐ It is my most used printer
- ☐ I use it a lot, but it isn't my most used printer
- ☐ I use it infrequently compared to my other printers
- ☐ I never use it

9. Why don't you use your first printer? *

- ☐ I have a better printer now
- ☐ It no longer works
- ☐ I no longer 3d print
- ☐ Other

10. Please elaborate

Optional

11. What caused your printer to break? *

- ☐ Wiring failure
- ☐ Motor failure
- ☐ Print bed failure
- ☐ Extruder / nozzle failure
- ☐ Unsure
- ☐ Other

12. Did you attempt to repair the printer? *

Attempting the repair is anything from looking for replacement parts to actually fixing the machine.

- ☐ Yes
- ☐ No

13. Why was the repair unsuccessful? *

- ☐ Didn't know where to start
- ☐ Repair was too complex
- ☐ No schematics available
- ☐ Couldn't identify correct parts
- ☐ Parts unavailable
- ☐ Parts cost too much
- ☐ Other

14. Why did you first buy a 3d printer? *

Select all that apply. Space to elaborate is available after you answer.

- ☐ To develop a new hobby
- ☐ Personal projects
- ☐ As part of my education (i.e. college, university etc)
- ☐ I thought they were cool
- ☐ As a gift
- ☐ Other

15. Please elaborate

Optional

16. What type of 3D printer do you primarily use? *

- ☐ FDM
- ☐ MSLS
- ☐ MSLA
- ☐ Other

17. Please elaborate

Optional

18. What filaments could your first printer use? *

This is your first printer with no modifications. The use of tape, glue etc on the bed is allowed.

- ☐ PLA
- ☐ PETG
- ☐ ABS
- ☐ TPU
- ☐ Nylon
- ☐ PC
- ☐ Wood-filled
- ☐ Bio-filament
- ☐ HIPS
- ☐ ASA
- ☐ PP
- ☐ Engineering filaments
- ☐ Other

19. What filaments do you / have you printed? *

- ☐ PLA
- ☐ PETG
- ☐ ABS
- ☐ TPU
- ☐ Nylon
- ☐ PC
- ☐ Wood-filled
- ☐ Bio-filament
- ☐ HIPS
- ☐ ASA
- ☐ PP
- ☐ Engineering filaments
- ☐ Other

20. How much did you value certain features and factors when buying your first printer?

*

| | Very important | Important | Neutral | Not important | Not considered |
|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Build volume | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Printable materials | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Reputable manufacturer | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Warranty | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Price | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Upgradeability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Available in your country | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Included accessories | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Positive reviews | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Delivery time | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Reparability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Software | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

21. How much do you use your 3d printer? *

An average estimate is all that is required. If you are between values, select the lower of the two. If you own multiple printers take an approximate average for the ones you use.

- ☐ 5 minutes a day or less (2.5h a month, 30.4h a year)
- ☐ 10 minutes a day (5h a month, 60.8h a year)
- ☐ 15 minutes a day (7.5h a month, 91.3h a year)
- ☐ 30 minutes a day (15h a month, 182.5h a year)
- ☐ 45 minutes a day (22.5h a month, 273.8h a year)
- ☐ 1 hour a day (30h a month, 365h a year)
- ☐ 2 hours a day (60h a month, 730h a year)
- ☐ 3 hours a day (90h a month, 1095h a year)
- ☐ 6 hours a day (180h a month, 2190h a year)
- ☐ 9 hours a day (270h a month, 3285h a year)
- ☐ 12 hours a day or more (360h a month, 4380h a year)

This content is neither created nor endorsed by Microsoft. The data you submit will be sent to the form owner.

 Microsoft Forms