

Scenario Story:

Emma's house have several 3D printer with different sizes. One that looks like a coffee machine is for food printing, insert a capsule of flavours or ingredients, select food appearance and you get a meal printed. She cooked herself a pasta tonight.

Then Emma browsed online for clothes, she selected a knitted grey cardigan with size M, put it in the shopping trolley online. Then payed \$10 for the design. Payment has been processed while a command has been sent through to her another 3D printer specifically for clothing. She inserted a grey wool capsule into the machine, and 5 minutes later, she got the cardigan she wanted.

TV is broadcasting a news about how 3D printed pandas have survived and this species is now living healthily while its population has increased by 300%.

Emma has now finished her pasta, the smell of food brought her little discomfort. She pressed a button on another green coloured 3D printing machine, and she gets a plant, leafy shaped air purifier to get rid of the smell.

Before going to sleep, Emma feels a bit chill at night, and went to her shopping website again, clicked in 'My Products' and 3D printed her current quilt again. Now she goes to bed and falls asleep with this comfortable double layered quilt and fresh clean air nicely.

New Scenario Story:

Emma gets up in the morning, doing her morning routine and washing. Now she's ready her doing her makeup. It's summer and she just went to the beach yesterday and sadly figured out her current foundation doesn't fits her colour anymore. She needs a more darker foundation. She uses an electronic pen that detects colour on her face. The colour then has been sent through to a small 3D printer. Emma presses start and the colour materials in containers attached on the top of the machine started falling into the processing part automatically. Other ingredients such as cosmetic oil and other things are also in other similar containers, starts falling into the processing machine as well. After several minutes, A new foundation stick that perfectly match Emma's skin colour is printed. Emma happily applied her makeup and starts a new stunning day.

3D printing current projects:

- Food
- Body parts (organisms)
- Suicide capsules
- Construction
- Design prototype
- Portraits

3D printing future projects:

- Furniture (no other processes required)
 - o Buy products online, connect to 3D printer and print all the components, then assemble them like IKEA products.
- Clothes
- Cosmetics
- Kitchen utensils
- Plants to absorb CO₂

Persona:

- Emma
- 23 years old
- Graduate, just started a job

Scenario:

- Environmental/Ecological:
 - o Less green, with 3D printed plants
- Biological:
 - o 3D printed endangered animals (which were about to extinct) with their genes
- Social:
 - o 3D printed products in party (if anything is missing, just 3D print it)
- Political:
 - o Restricted 3D printed items (e.g. guns...)
- Economic:
 - o 3D printing technology has been well developed, while all the other industries has been replaced
- Technological:
 - o 3D printed detailed small components for computers and others