Introduction to Inventions and Creations

The name of the work: drawer type trash can

Field: Environment

Source of inspiration for invention:

From life-in recent years, garbage classification has been promoted around the world, but public trash bins are usually placed side by side, occupying a large area, and the street area is large; and the liner of the trash can has no fixed position in the trash can, so it is easy to place Misplacement increases the gap between the inner liner and the trash can shell, which makes it easy to fall into the gap when throwing garbage; when replacing the trash bag, the entire liner needs to be taken out, which makes it inconvenient to soil the ground.

Improve life-so I think the existing trash can should be designed as a rotating drawer trash can.

Production process:

(1) Find an intermediary suitable for sliding rails and hinges of appropriate size on the network platform;

(2) According to the size of the slide rail intermediary and hinges bought back, use the 3d drawing software on the computer to design the

appropriate size of the three-dimensional model diagram;

(3) 3D printing the three-digit model diagram;

(4) Install the slide rail intermediates and hinges on the model, and install and fix all parts.

Advantages of the work:

(1) Combine the horizontal trash cans with a rotating barrel structure, which has a small footprint and low pollution;

(2) Changing from directly disposing of garbage to needing to rotate the trash can before disposing of garbage, it has a more sense of experience and makes people more willing to sort garbage;

(3) The position of the inner liner of the trash can is fixed, forming a fixed relative position with the outer shell, and the oblique opening design is used to ensure that 100% of the garbage is thrown into the inner liner;

(4) Pulling with one hand is convenient for operation and reduces the physical burden of environmental protection workers.

Remarks:

(1) The model making method used in this work is made of environmentally friendly plastics, which will not pollute the environment;

(2) This work adopts 3D printing to form one piece, the shell is relatively sturdy, and it can display complete actual functions;