The functional components in the sample camera include the flash, the capacitor, the lens, the film, the motherboard, battery, gears, plastic casing, plastic buttons, trigger shutter open, frame counting device, cock shutter, and little plastic components. All of these parts interact to capture a photo moment. The parts are arranged in a compact fashion as to allow for little to no empty space. This is the most cost efficient way to make the product. The camera works by first pressing a button to charge the flash, which makes a charge in the capacitor and then once the snap button is pressed, the camera takes a photo of what the person is looking at through the viewing lens. The camera then stores the picture onto the film, which cannot be exposed to light, and is saved for when the camera is taken in to be developed at a store.

Besides the motherboard, the majority of the camera is composed of plastic. This includes the casing, gear system, film, and lens. There is also a battery which is mainly made of various metals and chemicals. In order to disassemble the camera, we pried the camera’s casing open using a screw driver and separated the plastic exoskeleton from interior body. From there, we were able to extract the film, battery, and discharge the capacitor. After the discharge we removed all of the small plastic gear system and lens from the interior plastic body. For the reassembly we reversed the process of disassembly.

**Gears:** Winding the gears moves the film and opens the shutter. It also charges the flash. The gears are reset when a picture is taken. These parts are all plastic and can be recycled.
**Inner Body/ Motherboard:** This plastic body contains much of what makes the camera work, such as the motherboard, film, lens and gears. The body portion is made of plastic, while the motherboard is most likely made of silicon. All of these parts are recyclable.

**Film:** Taken pictures are stored on here for later development. The film cannot be recycled. It is made from plastic coated with a light sensitive silver halide, and is rendered useless once exposed to light.

**Plastic Covers:** These cover the gears. Also, they provide structural support. They are also made from plastic and thus are also recyclable.
The Kodak FunSaver is a very cleverly made product. This is because many of the parts can and are reused in newly built cameras. The parts that are usually reused are all of the parts besides the film, which is developed, and the capacitor and battery which are replaced. The parts reused are put into new cameras until they break or become outdated and replaced by newer technology. Also, some parts in the FunSaver may be recycled into raw materials from which new parts are made again. These parts include the plastic components which could be melted down to form new plastic components in newly built cameras. Also many companies are now recycling batteries which are then used to put into new cameras.
One way the camera may be redesigned to use less materials is to create an outer frame that requires less plastic, so more cameras can be out of the same amount of material.