

From cat to human: poop matters.

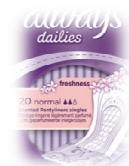
On May 10 2016, I adopted 2 cats from the local shelter. It is the first time that I have ever have pets. Other than being scratched by them everything else went well for the first few days. Then I started to find litters over my places and caught the furrer one urinating in my bathroom sink. What a smart cat! He figured, somehow, the urine will disappear so he does not have to cover it with litter. But Eeew!! Then I tried different litter boxes on market. But they did not work well. I have even tried to train cats use toilet, which ended up they poop on the floor.....



So, I decided to design my own cat litter box. While looking up for litter box ideas, I came across this [space poop challenge](#). The first thing hit in my mind was the donkey poop bag. In rural area of China, donkeys are used to pull carts. Every donkey on mission wears a bag at rear to collect their poops, so they wont poop on the road and the collected poop can be used as fertilizer. Why not use that in space.



Then I read further find that astronaut actually wear diapers. I wondered why not change diapers. If diapers has a shape of sanitary napkin, it can slide back and forth easily. Then changing diaper is a piece of cake. Some youtube video said that astronaut in space actually do not walk very often. That means they can have a relative wide sanitary napkin.



Then I come up the idea of this track-guided diaper. Astronaut can have their diaper changed every time after they poop. The system will also save space from compressing clean diaper. It will also seal all the odor and bacteria in one place. Because of the microgravity in the space. The sticky surface of the diaper will hold poop for them (or if needed, some vacuum can be installed in the diaper container), so the poop wont go anywhere before they got sealed up.

So far, my cats got their comfy and luxury litter box and I submitted my space poop challenge idea. Now I got another plan for automatic cat litter box and hope my idea for space poop challenge will win :D

