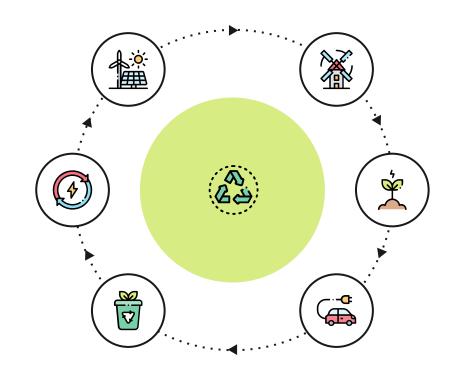
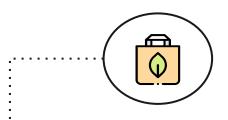
Efficient and sustainable packaging

Alise Barilo, Rūta Švarcbaha, Eskil Wouters, Kaur Ruben Ragis, Lydia Helene Teder, Saga Erichsen





Problem

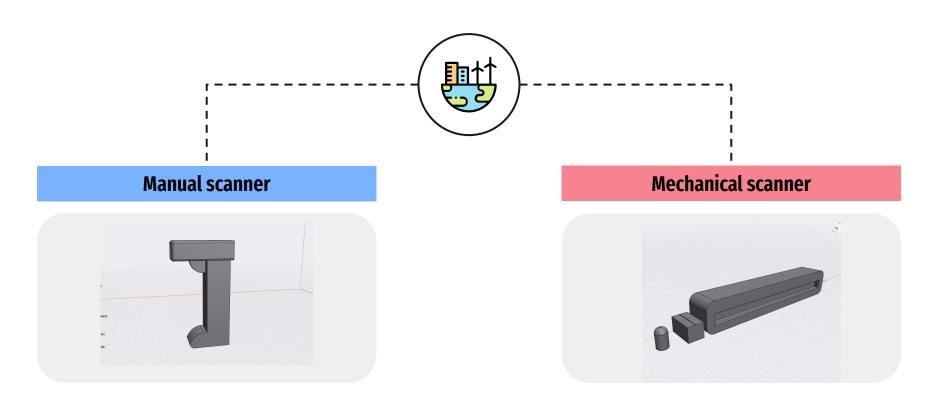
Packaging waste is a major environmental issue, particularly for e-commerce businesses that must package and ship products to customers. A lot of resources are wasted and thrown out in mass production product packaging.



Solution

Decreasing resource waste would also decrease the amount of materials which are necessary to recycle. A lot of materials used for packaging can be minimized, recycled and reused in different forms.

Types of scanner technology



Reverse vending machine

The more cardboard you recycle the bigger is the reward.

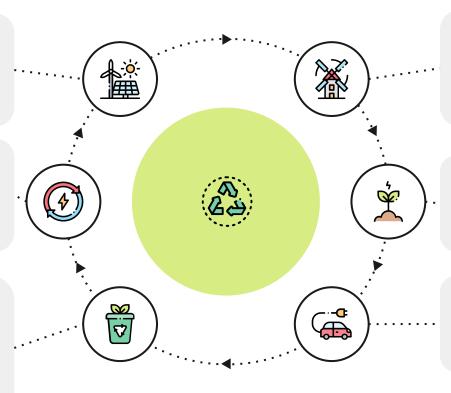


The cycle

The cardboard is reused for packaging products again.

Deposited cardboard is brought back to factories

After usage, the cardboard is deposited in the reverse vending machines

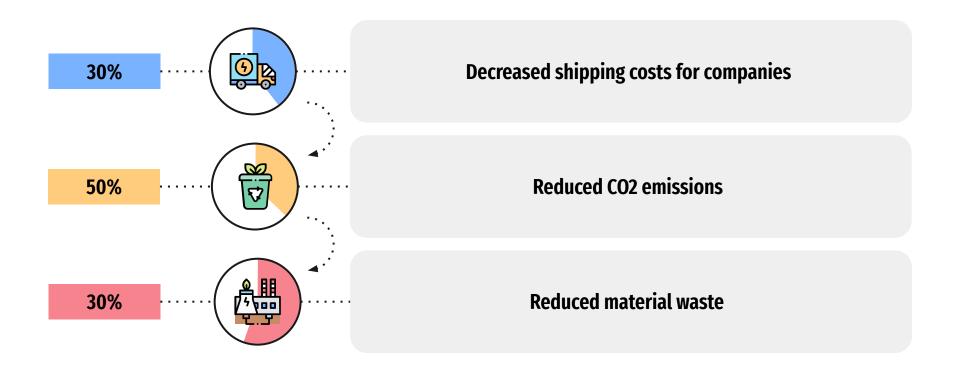


Product is scanned and measurements are uploaded into the system

The cardboard prototype is designed by the machine

The product is packaged by the machine

Consequences



Future improvements

Automatization



Smaller and more efficient



Solar panels



Efficient and sustainable packaging

