

RAW MATERIALS

- Aluminium ore (bauxite) or iron ore
- Production of aluminium takes up to 3% of world's energy consumption



How the original tin cans were made

Source: Science Museum

DESIGN & HISTORY

- 12,000 Franc prize offered in France in 1795 for a method of food preservation to feed the army on long campaigns
- The prize was won in 1809 by the chef and confectioner Nicholas Appert who had developed a method of sealing food in glass jars



TIN CAN'T? TIN CAN!

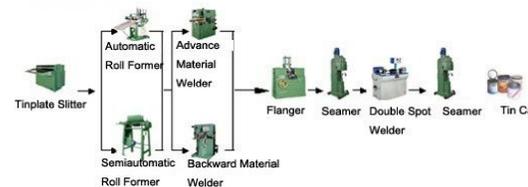
RECYCLING

- 52% of the US aluminium cans are recycled and it makes up to 25% of the country's whole aluminium production
- Around 50 to 75 percent of tin cans are recycled, causing the can to be the most recycled packaging product in the world



PRODUCTION

- The first mass production of tin cans of food was in a south London factory by Bryan Donkin
- Aluminium is as durable as iron, but cheaper and easier to produce



CONSUMPTION

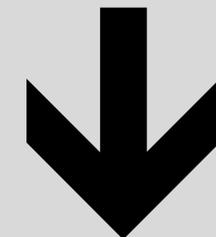
- Used for storing beverages and food supplies
- Food scandal in the 1850s rocked public confidence in this new invention
- European households consume about 20bn cans of food a year, same as the US.



WORKSHOP

How we can identify different tin cans

Fun facts
Interesting experiments



- Briefly covering the history, production-consumption and recycling of a tin can
- How to identify steel and aluminium cans



- How steel cans are covered with tin



WHO WE ARE

- From Estonia
- Studying in Gustav Adolf Grammar School
- 11th graders

