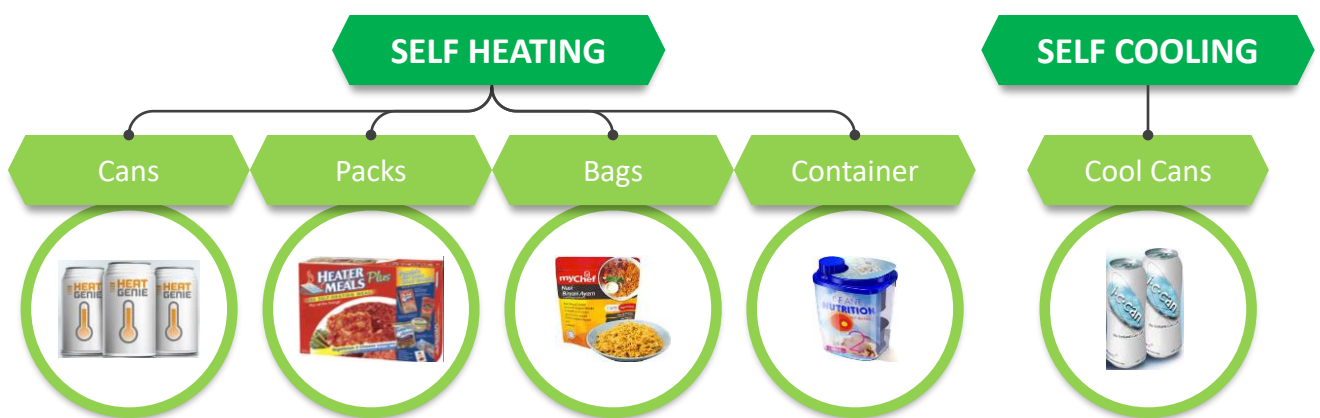


Self Heating & Self Cooling Packaging

Owing to changing consumer lifestyle, increase in the demand for ready-to-eat food innovation is expected to spur the market for self heating / cooling packaging materials

Self Heating Food Packaging is a form of packaging that heats the food without external heating sources, using exothermal reaction where lime reacts with water to generate heat whereas **Self Cooling Packaging** uses micro cool technology to rapidly cool the contents



KEY BENEFITS

Ease of Use

Saving of Time

KEY PLAYERS

TEMPRA Technology™

HEAT GENIE

HotCan

Aestech

ONTECH Advanced Technology

CROWN

KEY DRIVERS



Globalization of smartphones and high-speed internet have created an 'on demand' culture, changing the consumption pattern



Growing lifestyle and fast and easy-to-use options has translated over into the world of convenience



Economic growth coupled with rising population in countries like China and India has raised the growth rate of self-heating food packaging market

OPPORTUNITIES



Demand for hot beverages and shippable soups is expected to give rise to new players in the self-cooling/ self-heating packaging sector

Government regulations pertaining to environment friendly packaging, recyclable materials and safe for disposal will lead to product innovation and expansion opportunities for key players operating within this space



KEY PRODUCTS

Solid fuel technology by Heat Genie allows customers to heat the meal using exothermal reaction



Micro cool Technology by Crown allows users to enjoy an ice cold drink by absorbing the CO2 from the atmosphere



Aestech cans incorporate self heating & on-the-go packaging; on pressing the button, it mixes the ingredients & heats the milk



KEY INSIGHTS

- Advancement in technology is expected to enable the manufacturing of eco-friendly, recyclable & easy to dispose packaging products
- Self heating/cooling packaging has positive growth outlook, owing to the growing demand for convenient packaged products while maintaining the environmental balance