

MODERN PACKAGING SYSTEMS TO PROLONG SHELF LIFE



A modern packaging system encompasses innovative techniques and features aimed at enhancing the efficiency, functionality, and appeal of packaging while addressing factors such as product protection, transportation, and environmental impact.

Types

1. Active packaging:

While preserving the food's quality, active packaging modifies the contents of the package to increase shelf life, enhance safety, or enhance sensory aspects.

- Oxygen scavenger
- Carbon Dioxide Scavengers/Emitters
- Ethylene Scavengers
- Ethanol Emitters
- Preservative Releasers
- Moisture Absorbers
- Flavour/Odor Adsorbers



2. Intelligent packaging:

In order to provide information about the quality of packed food during storage and transportation, intelligent packaging technologies keep an eye on the state of the food.

- Time temperature indicator (TTI)
- Freshness indicators
- Pathogen indicators

