CIRCUPACK™

DRIVING SUSTAINABILITY

A STEP TOWARDS
INTELLIGENT
GREEN PACKAGING

A DEADLY PROBLEM

The use of plastic and the development of new plastic products is snowballing every year. As a result, we are producing 380 million tonnes of plastic every year, most of it for a single-use purpose. Undeniably, the human kind is addicted to plastic use.

PRODUCING
380 MILLION
TONNES OF PLASTIC EVERY YEAR

1

Plastic is everywhere

2

Plastic kills marine life

3

Plastic lasts forever

4

Plastic leads to fracking

ABOUT **US**

CIRCUPACK is one of the pioneers of green and sustainable packaging in the country. We are driven by a growing demand for green packaging along with the eco-friendly vision to bring about a positive change in the planet.

We aim to contribute to the environment by creating innovative technologies and products that help solve the global pitfall of environmental sustainability and its lack thereof. We aspire to develop multiple solutions to green packaging with our dedicated R&D department focused on the development of compostable, biodegradable and recyclable materials for circular flexible packaging.

CIRCUPACK is powered by Vishal Containers Ltd., which has been a part of the packaging industry since 1985. We constantly push our manufacturing abilities and packaging designs to move the entire country towards a greener planet. Innovative packaging is our forte, and we are proud to provide avant-garde packaging alternatives that are sustainable, functional and also trendy.

FACILITY CERTIFICATION

FSSC 22000 · Sedex SMETA SMETA CERTIFIED FACTORY · BRCGS Packaging Materials CERTIFICATED · SQF CERTIFIED

MEMBERSHIP CERTIIFICATION

Member of SUSTAINABLE PACKAGING COALITION®

Member of How2Recycle

WHAT IS CIRCUPACK?

Spearheading the movement towards environment preservation, CIRCUPACK is the manufacturer of sustainable packaging solutions that will keep the packages within a circular economy. We aim to reduce plastic wastage and the damage caused by it.

GREEN SUSTAINABLE TECHNOLOGIES

EB printing does not require any solvents, as opposed to other solvent-based regular ink technology generally used in flexo and gravure printing. This leads to the requirement of dryers, solvent recovery or incineration as irrelevant. **Consequently, there is a considerable reduction in energy consumption and carbon footprint.**

CARBON FOOTPRINT

1. EB PRINTING TECHNOLOGY

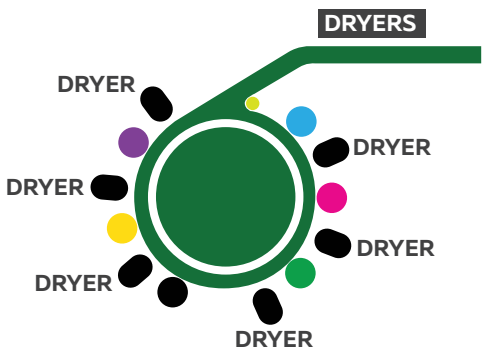
Electron Beam printing technology is considered to be one of the most sustainable printing technologies in the market, owing to its low carbon footprint. At CIRCUPACK, with thorough research and development, we have swiftly mastered the dynamicity of EB printing technology and are incessantly working towards making it better.

In the EB printing technology, the printing units are designed to work with electron beam curable inks and coatings. What makes EB printing special is that it does not require any solvents, unlike other solvent-based ink technology generally used in flexo and gravure printing. This factor leads to the irrelevance of dryers, solvent recovery or incineration. Consequently, there is a considerable reduction in energy consumption and carbon footprint.

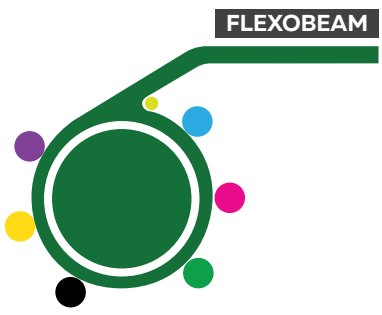
SOME ADVANTAGES OF EB INKS ARE:

- An eco-friendly alternative with 85% solvent reduction & 70% energy
- consumption reduction
- Special effects like gloss, matte, texture and raised tactile
- Extended gamut printing possible
- Superior print protection for surface printing
- Gravure quality print with 175 LPI Flexo Screening Plates
- FDA, Swiss Ordinance & Nestle compliant low migration inks

CONVENTIONAL CI FLEXO PRESS



EB CI FLEXO PRESS



2. BARRIER COATING TECHNOLOGY

With the profound changes that the packaging industry is going through, consumers have begun looking for sustainable, recyclable solutions. Alternatives to the traditional plastic film barriers have become the need of the hour.

CIRCUPACK™ provides the packaging fraternity with a pre-eminent substitute to multi material barrier laminate with mono material high barrier options using our barrier coating technology. With top-notch protection against moisture and oxygen permeability, these barrier coatings can help in developing high barrier Mono material Recycle Ready flexible packaging materials.Besides the investment in coating technology infrastructure, an abundance of effort, research and development have been dedicated to the development of barrier properties on mono materials.

3. SOLAR TECHNOLOGY

CIRCUPACK™ is dedicated to providing sustainable, environment-friendly solutions in the packaging industry. Therefore, to meet our manufacturing power requirement, we have invested in solar power to further reduce the carbon footprint of the packaging materials produced in our plant.

We have generated 850,000 green energy units annually over the years, which will eventually go up to 3.2 million green energy units annually.

solar power with the generation of 850,000 green energy units annually over the years.

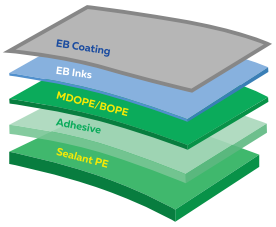
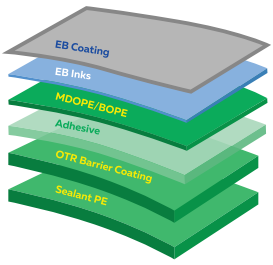
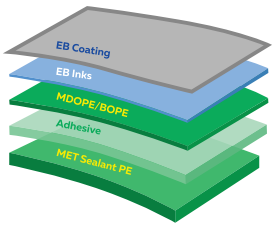
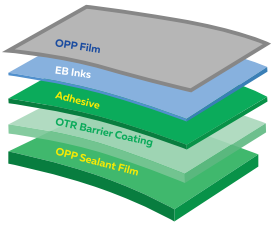
CIRCUPACK SOLUTIONS

Mono Polymer Packaging
Barrier Coatings
Barrier Paper Solutions

MONOPOLYMER PACKAGING

CIRCUPACK offers Mono-PE and Mono-PP flexible packaging solutions as a part of its mono polymer, recycle-ready sustainable packaging solutions. All the packaging solutions are available in high barrier options developed using barrier coating technology.

CIRCUPACK meets all CEFLEX (Europe) guidelines for recyclability. We are also available with the How2Recycle store drop off labeling Program for recycling in the North American Market.

Proposed	Existing	Proposed	Existing
	PET+PE BOPP + PE	 OTR at 23c & 0%RH - <0.50cc/m2/day WVTR at 38c & 90%RH - <2.0g/m2/day	PET +METPET +PE PET+METBOPP+PE
	PET +METPET +PE PET+METBOPP+PE BOPP + METCPP	 Hight OTR Barrier PP Structure OTR at 23c & 0%RH - <0.50cc/m2/day	PET+PE

USPs- MONO POLYMER

High Barrier – OTR & WVTR without metallizing

Source reduction through laminate layer reduction

Attractive surface finishes like gloss, matte, texture & raised tactile

Low carbon footprint tech

Attractive, eye-catching EB printing

100% Recyclable

INDUSTRIES

DAIRY & CHEESE

CONFECTIONERY

TEA & COFFEE

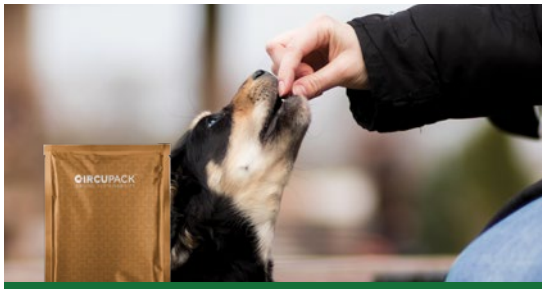
PACKAGED & FROZEN FOODS

AGRICULTURE

NUTRITION SUPPLEMENTS

LAWN & GARDEN

SNACKS & NUTS



PET FOOD & ANIMAL FEED

HOME & PERSONAL CARE

PRODUCT FORMAT

Roll Stock | Pre-made Pouches

POUCHING FORMAT

Spoted Pouches

Quad Seal Pouches

Pillow Pouches

Flat Bottom Pouches

Bottom Gusset Pouch

Zipper

Three Side Seal Pouch

SURFACE FINISHES

Matt

Grit Sand Finish

Gloss

Texture

Soft Touch

Raised Tactile

SCAN HERE

sales@circupack.in | www.circupack.in

Zero Gravity