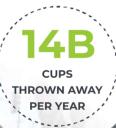
#### **SOLUTION**

- · Create proper technology to recycle these resources into paper pulps
- · Create a similar technique with the potential to recycle these resources
- · Complete removal of polymer layer by completely chemical method

# **OUR TECHNOLOGY PROPS**

- · Chemical environmentally friendly recycling method
- . The entire process is in one line
- No complex procedure
- . Cost and energy efficient
- Validated technology



## WHY **RECYCLE?**

- 12-31 trees are saved for each ton of recycled paper
- 70% save in energy
- . 80% save in water
- 74% reduction in gas emission
- 35% reduction in water polluting emissions

#### **PROBLEM**

- . 300 ton per day coffee cups are thrown away in canada
- . Hard to recycle because of the coffee cup
- · Bury in landfills or Incinerated
- · Continue cutting trees to manufacture paper-based products



#### **Get in Touch**





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**POLYMER COATED PAPER RECYCLING** 



# SILICONE **PAPER** RECYCLING

Silicone papers are used for printing, protecting and separating adhesives and materials and label production.

Their applications include but are not limited to:

- Multilayer silicone paper is used for pressure sensitive stipes and labels
- Laminates and Tapes
- Papers and Films





Characteristics:

- · Non-sticky
- High thermal stability
- High chemical stability
- Hydrophobic

#### **Benefits of Paper Recycling**

- climate change by avoiding methane emissions and
- Extends the fiber supply and contributes to carbon
- Saves considerable landfill space
- Reduces energy and water consumption
- Decreases the need for disposal (i.e. landfill, incineration) which decreases the amount of CO2 produced)

# **OUR TECHNOLOGY PROPS**



#### Cost & Energy Efficient

The whole production process is performed at low temperatures and air pres-



### Green **Technology**

No harmful chemical matters



#### Recyclable Materials

Using water and material in the process over and over again



### No Complex **Procedures**

Separating, Washing, Drying, Kneading, Produceing

#### **Market Size**

- 27% demand for silicone paper in North America
- Minimum of 500,000 tons of silicone coating for liners
- \* Less than 1% is recycled

#### SILLCONE RELEASE LINERS MARKET OUTLOOK

| Year | Market Size      |
|------|------------------|
| 2016 | 0.94 B US Dollar |
| 2021 | 1.21 B US Dollar |
| 2022 | 1.32 B US Dollar |
| 2023 | 1.39 B US Dollar |
| 2032 | 2.78 B US Dollar |
| 2033 | 2.93 B US Dollar |

#### **AWARDS & RECOGNITION**











