

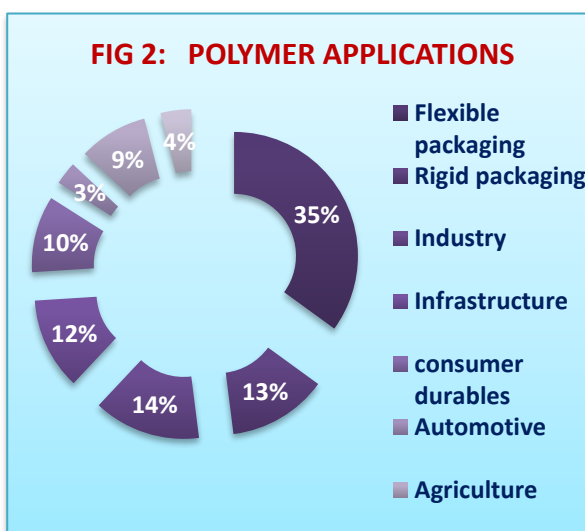
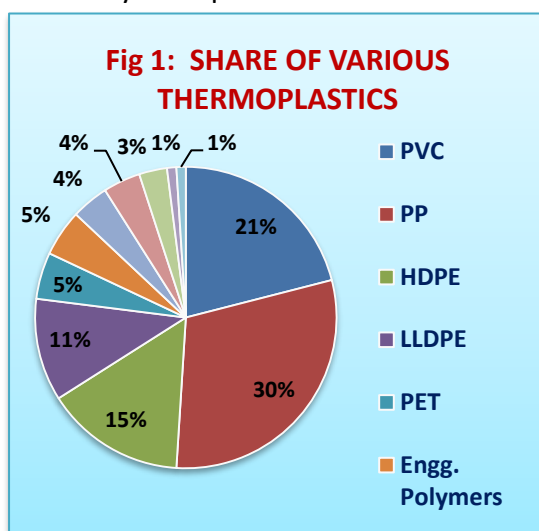
BUSINESSES OPPORTUNITIES IN PLASTIC

The Indian plastic industry, estimated at 12.2 Mn. metric tonnes is growing at a CAGR 8-9 per cent per annum¹. With such growth rate, domestic consumption of plastics is expected to touch 20 million tonnes by 2020. There are about 30,000 processing units in India, 85-90 per cent of which are small and medium-sized enterprises.

The whole plastic industry can broadly be categorised into Thermoplastics and Thermosets, thermoplastics account for majority of the consumption of plastics. (See table below)

CONSUMPTION OF POLYMERS - INDIA - FY 2014		
Types of Polymers	Consumptions in MMT/ Annum	%age of Consumption
Thermo-plastics (Remould-able)	11.36	93%
Thermo-sets (Non-remould-able)	0.84	7%

The packaging industry is the largest user of plastics and pp (poly propylene) is the most commonly used plastic.



Source: Plast India Foundation –Report on Indian Plastic Industry

¹ Source: Indian plastic industry report - 2014

Opportunities In Plastic Processing For Small Enterprises
BUSINESS OPPORTUNITIES WITHIN 3 CRORES - PLASTIC INDUSTRY

PRODUCTS	DEMAND DRIVING FACTORS	BUDGET
Masterbatches	Master batches are pigmented material (such as PVC) with high concentrate of the pigment. These masterbatches are blended with main plastic products while moulding, so as to colour the plastic. Master batches find applications in automotive and consumer goods industries.	Rs. 2 to 2.5 Crores for a 200 tons/ month capacity, inclusive of raw material.
PET pre-forms	PET pre-forms serve as input for the manufacturing process of PET containers. Major consumer industries include Carbonated Drinks, Water, Edible Oils, Food, etc.	The machinery and mould cost would be within Rs. 1 crores.
PVC insulation tape	Used in electrical wiring, jointing kits, automotive cable harness and industrial application such as building construction, motor vehicle assembly, electronics and telecommunications.	The total project investment would be within Rs. 2 Crores for entry level capacity.
PVC pipes & fittings	Infrastructure projects, urbanisation, smart cities, real estate development and government's irrigation projects are major factors driving the growth of the pipe industry in the country.	More than Rs. 3.5 Crores
PVC cables & wires	Consumer industries for wires & cables include power, telecommunication and infrastructure.	The machine budget is around Rs. 70 Lakhs, total project should be doable in Rs. 2 Crores
PP ropes	Apart from other inland common uses such as tying tarpaulin on a loaded lorry and construction industry, it is used many water bound vehicles and marine based industries such as fishing, yachts, dinghies, etc.	Within Rs. 1 Crore
Tarpaulin	The demand of tarpaulin is mainly driven by the growth in construction and transport industry.	Tarpaulin plant could be set up under of Rs. 3 crores.
LLDPE Agricultural film	Also known as mulch films, there are three kinds of LLDPE agricultural films transparent sheet (for early season growth), black (to avoid weed growth), and white (to provide reflected sun light).	A blown film plant is required. Plant could be set up under of Rs. 3 Crores
Recycling pet bottle	Recycling of plastics /PET is gaining popularity due to increased consciousness about waste management. Recycled plastics are demanded by industries such as Polyester staple fibre, noon food containers, carpets, T shirts, and packaging. Currently nearly 70% of the recycled lakes manufactured in the country are being used for PFS (fibres). In India, recycled plastics are not allowed for food grade or pharmaceutical applications.	P&M would cost around Rs. 80- 85 Lakhs . The plant could be set up within a budget of Rs. 2 crores.
(TWP) Thin walled plastic food containers.	Tubs, cups, pots, trays, clamshells and plastic jars are some of the examples of TWP replacing more traditional materials, such as glass or metal. TWP applications include packaging of yogurt, ice cream, meat, bakery, fresh fruit and vegetables. Microwave, freezer, and oven-proof containers are a rapidly growing market. The ability of plastic TWP to enhance brand modernity, aesthetics and usability is also one of the growth driving factors.	A TWP manufacturing unit can be set up within Rs. 2 Crores.

PET sheet	Apart from TWP food containers discussed in the above row, PET sheets are used for computer storage media, X-ray films, instant photos, business graphics, printing plates, plastic cards (including "smart" cards), labels, lamination films, solar UV films, safety window films, medical test strips, capacitors, etc. PET sheets accounts for nearly 40% of the total PET consumption globally.	A plant of capacity 2.4 tonnes per day can be setup in less than 2 crores.
PVC caps & closures	Plastic caps and closures are used in; Food, Beverage, Personal & Home Care products, Pharmaceutical, Industrial chemicals, etc. The main growth driving factor for caps and closures is the shift in packaging preference from glass, metal and other forms of packaging to plastic packaging.	The machinery and moulds together would cost upwards of Rs. 1 crore. Further, one needs budget for working capital, marketing etc.

How can we help?

We can help you start plastics related businesses, through a number of services including

1. Market viability assessment
2. Detailed project report preparation
3. Technical support
4. Support in project execution

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