

How to Start Food Packaging Foil Manufacturing Business.

Production of Aluminium Foil -

Big Profit Industry



Introduction

Aluminum foils are produced by continuous casting and cold rolling of aluminum sheets. They are prepared in thin metal leaves and can be used to wrap around any product for packaging. They act as a major barrier to bacteria, oxygen, and moisture. These are used in the pharmaceutical and food and beverage sectors.



Packaging in today's world has emerged as an integral part of the brand promotion. Owing to modern-day lifestyle coupled with today's fast-paced life, customers' inclination towards convenience packaging has increased. Aluminum is a kind of metallic element available in abundance across the globe and is preferably used a barrier resistant material for packaging to safeguard food & beverages, pharmaceutical, cosmetics, etc. Aluminum foil sheets are readily used in the manufacturing of various kinds of containers as per packaging requirements.



Aluminium foil provides various benefits to the food and packaging industries. The consumers can heat or freeze food items in the foil container directly. Aluminium foil packaging material is a part of the flexible packaging material and is generally formed using aluminium sheets. Aluminium foil can be utilized to wrap around any product for packaging functions. It is produced through the regular casting and cold calling. Aluminium foil packaging is a sort of packaging, which arranges a resistant barrier to safeguard food, beverage, cosmetics and pharmaceuticals and helps in waste reduction. Aluminium packaging is extremely corrosion-resistant and chemically neutral. Moreover, it is hygienic and non-toxic in nature.

The raw materials for aluminium foil packaging is produced utilizing aluminium sheets and it is a part of stretchable packaging material. The major users of aluminium foil packaging include pharmaceuticals, food and beverage industries. Aluminium foil wrap is produced through regular casting and cold rolling and thus it is favorable to be utilized to enclose around any product for packaging functions.



India, one of the fastest growing economies in the world is seeing a steady GDP growth in recent years. Owing to strong economic growth and increasing middle class with growing disposable income, consumption of aluminium foil is growing fast in India. The change in life style which includes changed food habits has led to increased demand for foil packaging. Growing demand for ready to eat confectionaries and pharmaceutical products is another major growth drivers for aluminium foils industry in India.

Properties of Aluminium Foil Packaging



*Recycling and
Recovery*



*Formability and
Strength*



*Heat Performance
of the product*



*Decorative
Characteristics*



*Safety and
Product Security*



Barrier Protection



Hygiene



Eco-Friendly

Aluminum foils are easy to use, recyclable and consumer friendly product. Consumers can directly heat or freeze food products in the foil container. Its applications include personal care, confectionery, healthcare, beverage and varied industrial usage. It is widely used by food industry to pack roasting pans, baking pans, pizza pans, and cookie sheets. It comes in various sizes and shapes and can be easily customized to suit customer demand.

The use and demand for aluminum foil in pharmaceutical and drug industry is poised to grow at a faster rate than any other sector which may be primarily attributed to increasing demand to secure medicines safely. It is followed by increased demand across food packaging industry which includes railway catering services and chocolate production.

Usage of aluminum in the manufacture of laminates is anticipated to increase as laminates might replace collapsible tubes in the future. In the case of milk, the consumption of foil for making milk cap bottles may decline over the next few years as milk tetra pack are expected to replace the milk bottle market.

Aluminium foil consumption in the Indian states like Maharashtra, Karnataka and Kerala has grown up dramatically by about 50 per cent in anticipation of the proposed ban on use of plastics in these three states.

In 2015, India exported an estimated 14,512 tons of aluminium foil and the total value of export stood at USD 3.1 billion which increased further to total at 16,448 tonnes in 2016. For the first eleven months of 2017, the export volume of foil is forecasted to total at 16,035 tonnes.



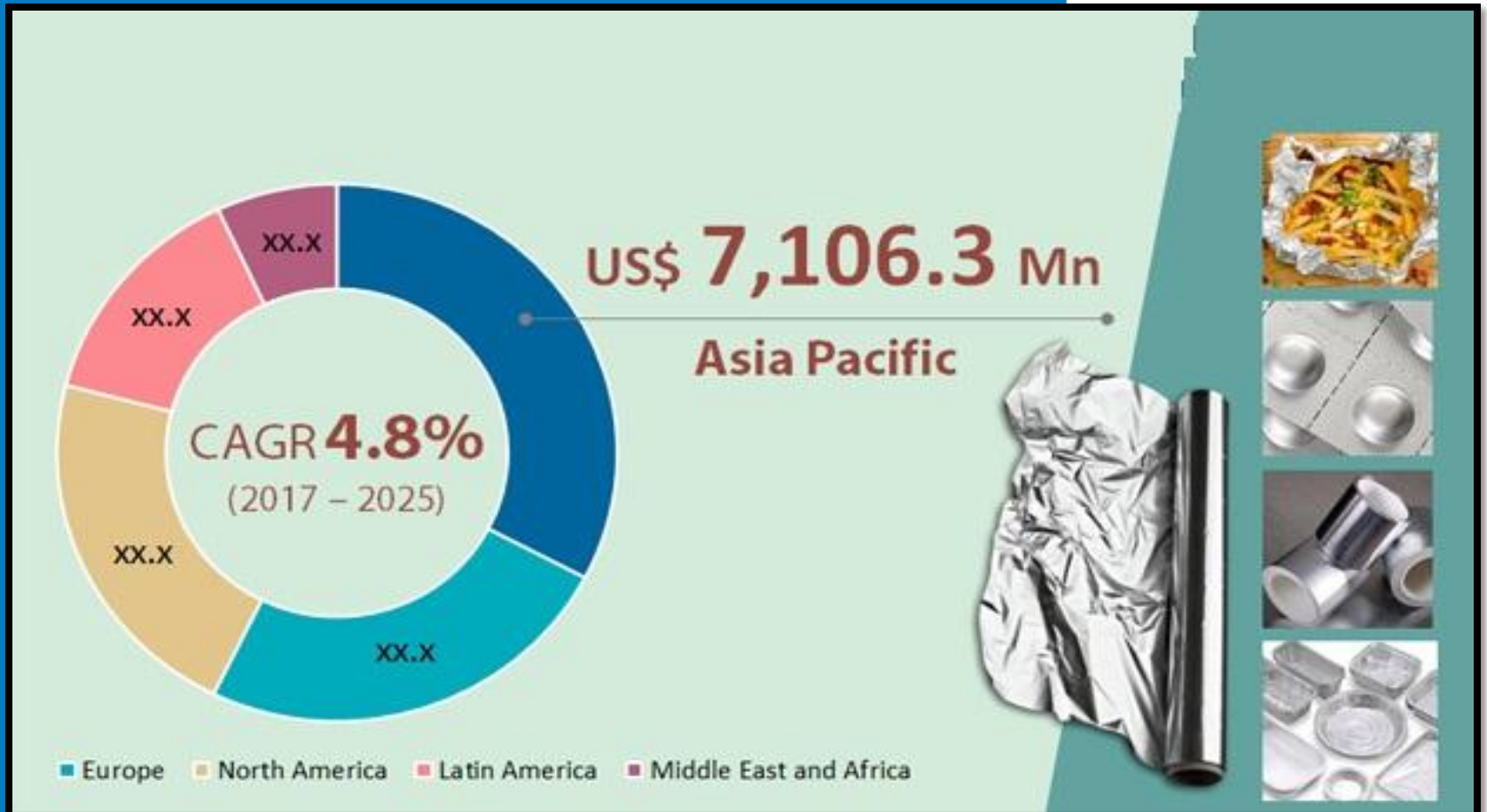
Aluminum Foil Packaging by Cosmetic Industry

The demand for aluminum foil packaging in the cosmetic industry will post a CAGR of 2.63% through the forecast period, and the market is estimated to be valued at 1.41 million tons by 2020.

The growth in the cosmetic industry is driving the demand for cosmetic packaging. Aluminum foil is used for the packaging applications in the personal care and cosmetic industries. This provides protection to the products internally and enhances the appearance of the packaging externally. Cosmetic content includes the application of special oils, vitamins, herbal and chemical compounds, which requires protection from light and contamination.

The demand in the global aluminum foil packaging market is anticipated to increment at a CAGR of 4.8% during the forecast period of 2017 to 2025. This prosperity of the market for aluminum foil packaging is a reflection of a number of factors, such as high preference for convenience packaging, growing demand for extended shelf-life of packaged food, popularity of ready-to-eat meals and processed food, and growing usage in pharmaceutical products and confectionaries. On the other hand, the lack of proper recycling processes in a number of countries and competition from alternatives are a few obstructions faced by the global aluminum foil packaging market. Nevertheless, growing emphasis on ecofriendly packaging and foray by the key companies in the emerging economies is expected to open new opportunities in the aluminum foil packaging market.

Global Aluminum Foil Packaging Market Revenue, By Region, 2017 (US\$ Mn)



Robust economic growth along with rising middle population with inclining personal disposable income is anticipated to intensify the growth of global aluminium foil packaging market during the forecast period. The change in life style which includes changed food habits has led to inclining demand for packaging. Besides this, robust demand for aluminium foil packaging in snacks and chocolate industry are also strengthening the growth of aluminium foil packaging market all across the globe. Some of the major opportunities in global aluminium foil packaging market includes technological development to enhance the product quality, reduction in plants losses, inclination in the obtainability of foils in different forms for crucial mass consumption usages and progress in the exportability of aluminium foils. The global aluminium foil packaging market is foreseen to observe a robust CAGR during the projected period.

Global Aluminum Foil Demand by Type:

- ***Rapid industrialization coupled with heavy air conditioner usage in India, Egypt, Iran, and UAE boost the need for industrial aluminum foils***
- ***Blister foil is the major application in pharmaceutical industry, medical industry boom in emerging economies foster demand for aluminum foils***
- ***Rolled Aluminum Foil: Aluminum foil is primarily consumed by packaging, transportation, and construction sectors***
- ***The packaging industry took the largest share, approx. 41 percent, during 2016, followed by transportation***

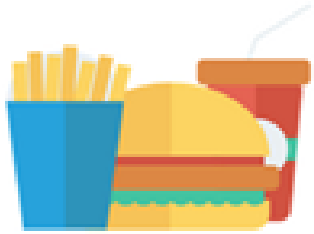
- *It is projected that global rolled foil consumption might increase by 5 percent CAGR from 2016–2021 with the transportation industry being the largest market Backed Aluminum Foil: These include laminated, embossed, backed with paper, plastics and adhesives. Foil tapes constitute a major part in backed aluminum foils. These are driven by their growing use in electrical and construction purposes giving superior adhesion and extended life*
- *Developed regions are expected to show moderate growth for backed aluminum foil used in industrial purposes, especially from the electricity sector that uses such foils for insulation purposes*

The market can be segmented into packaging applications and non-packaging applications. Packaging applications involve protecting the food from climatic, chemical and physical hazards. Non-packaging applications which utilize the property of conductivity of this foil include cable and capacitors wraps, the heat exchanging tube fins for air conditioners.

Due to high availability of substitutes in the food & beverages industry, packaging and quality of product have always been the key competitive factors. Also, this is one of the major reasons that why food and beverages manufacturers invest more than 11% of the revenue on packaging.

Dry foods, like aromatic herbs and spices, are best preserved when packed in aluminium packaging medium. Lined cartons are the most favorable packaging method for many dry food products. Latest innovations in packing, like cylindrical design for an easy-to-open packaging mechanism, protective membranes under a plastic re-closable lid for repeated usage, and perforated top seam for easy opening, are revolutionizing aluminium foil packaging in the food industry.

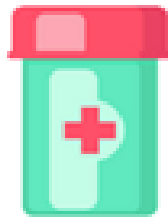
Market for Aluminium Packaging in Percentage



Food and Beverages

75%

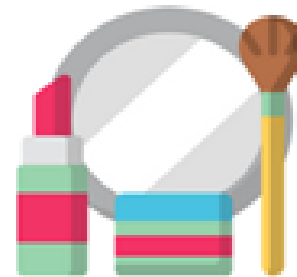
of total
aluminium
production



Pharmaceuticals

7%

of total
aluminium
production



Cosmetics

8%

of total
aluminium
production



Others

10%

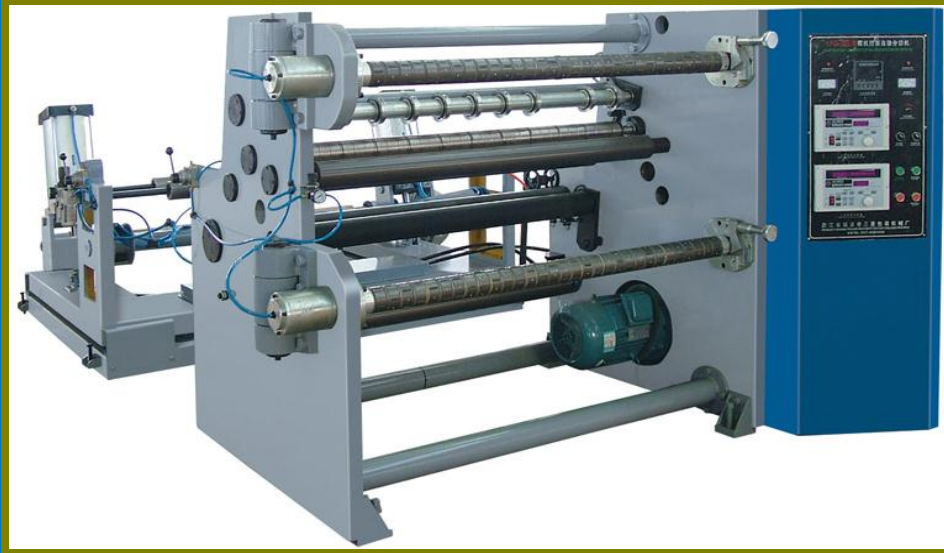
of total
aluminium
production

Machinery Photographs

High Precision Slitting Machine



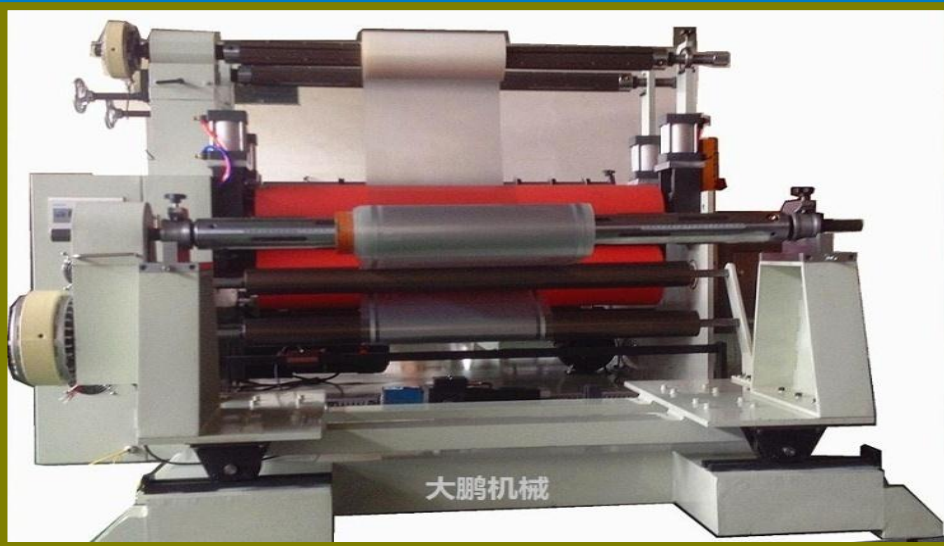
Doubling, Separating and Slitting Machinery



Laminating Machine



Embossing Machine



Project at a Glance

PROJECT AT A GLANCE

(` in lacs)

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	110.00	110.00	Capital	0.00	679.26	679.26
Buildings	0.00	155.50	155.50	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	1339.53	1339.53	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	10.00	10.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	735.50	735.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	25.00	25.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	2037.77	2037.77
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds Unsecured	0.00	0.00	0.00
Provision for Contingencies	0.00	134.00	134.00	Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	204.50	204.50				
TOTAL	0.00	2717.03	2717.03	TOTAL	0.00	2717.03	2717.03

Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS	Per Share		Per Share	Per Share		%		No.of Times	%
1-2	4.55	9.15	14.55	24.00	0.00	100.00	4.55	0.00	4.55	1.00	0.00
2-3	7.54	11.53	22.09	18.00	0.00	100.00	7.54	0.00	7.54	1.00	0.00
3-4	10.58	14.03	32.67	12.00	0.00	100.00	10.58	0.00	10.58	1.00	0.00
4-5	13.59	16.59	46.26	6.00	0.00	100.00	13.59	0.00	13.59	1.00	0.00
5-6	16.57	19.17	62.83	0.00	0.00	100.00	16.57	0.00	16.57	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / Equity - Deposits Debt	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall				GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)	%	%	%	%	%	%			
Initial				3.00	3.00								
1-2	1.34	1.34		1.65	1.65	2.61	9.30%	5.10%	3.90%	2685.81	33.91%	2.24	1.01
2-3	1.64	1.48		0.81	0.81	1.54	11.49%	8.21%	5.54%	3133.16	33.91%	2.44	1.26
3-4	2.02	1.65	2.03	0.37	0.37	0.92	13.04%	10.50%	6.80%	3580.75	33.91%	2.48	1.57
4-5	2.48	1.83		0.13	0.13	0.57	14.17%	12.19%	7.77%	4028.34	33.91%	2.42	1.92
5-6	3.04	2.03		0.00	0.00	0.36	15.01%	13.48%	8.53%	4475.93	33.91%	2.28	2.93

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	56.30%
Total BEP (% of Installed Capacity)	60.25%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	27.05%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	9.501

Major Queries/Questions Answered in the Report?

- 1. What is Aluminium Foil Manufacturing industry ?**
- 2. How has the Aluminium Foil Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Aluminium Foil Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Aluminium Foil Manufacturing plant ?**

- 5. What is the structure of the Aluminium Foil Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Aluminium Foil Manufacturing Business?**
- 7. What are the operating costs for setting up Aluminium Foil Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Aluminium Foil Manufacturing plant ?**

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Aluminium Foil Manufacturing plant ?

10. What are the requirements of raw material for setting up Aluminium Foil Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Aluminium Foil Manufacturing Business?

12. What is the Manufacturing Process of Aluminium Foil?

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Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Aluminium Foil.” provides an insight into Aluminium Foil market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Aluminium Foil project. The report assesses the market sizing and growth of the Indian Aluminium Foil Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Aluminium Foil sector in India along with its business prospects. Through this report we have identified Aluminium Foil project as a lucrative investment avenue.

Tags

Aluminium Foil Production, Aluminum Foil & Packaging, Aluminium Foil, Food Packaging Foil Manufacturing Plant, Aluminium Foil Manufacturing Process Pdf, What is the Aluminium Foil Manufacturing Process? Aluminium Foil Making Unit, Aluminium Foil Manufacture, Manufacturing of Aluminum Foil, Production of Aluminium Foil, Aluminium Foil Production Plant, Aluminium Foil Manufacturing Plant, Aluminum Foil Manufacturing Unit, Manufacture of Aluminium Foil, Manufacturing of Aluminium Sheet & Foils, Aluminium in Packaging Industry, Aluminium Foil Packaging, Project Report on Aluminium Foil Manufacturing, Aluminium Foil Making Plant, Aluminium Foil Manufacturing Project Report Pdf, Aluminium Foil Plant in India, Food Packaging Foil, Production Process of Food Packing Aluminium Foil, How Aluminum Foil is Made, Packaging Industry, Aluminium Foil as a Food Packaging Material, Aluminium Packaging, Food Packaging Products, How to Start Aluminum Foil Manufacturing Business, Food Packaging Foil Manufacturing Industry, Aluminum Foil Manufacturing Industry,

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Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation



Contact us

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