Vacuum Fried Snacks

**Vacuum Fried Vegetable Chips**
*(Sweet Potato, Beans and Beetroot)*

Introduction

Vegetable chips (also referred to as veggie chips) are chips or crisps that are prepared using vegetables. Vegetable chips may be fried, deep-fried, dehydrated, dried or baked. Many different root vegetables or leaf vegetables may be used. Vegetable chips may be eaten as a snack food, and may accompany other foods such as dips, or be used as a topping on dishes. In the United States, vegetable chips are often mass-produced, with many brands marketed to consumers.
A potato chip (American English) or crisp (British English) is a thin slice of potato that has been deep fried, baked, kettle-cooked, or popped until crunchy. Potato chips are commonly served as a snack, side dish, or appetizer. The basic chips are cooked and salted; additional varieties are manufactured using various flavorings and ingredients including herbs, spices, cheeses, other natural flavors, artificial flavors and additives.
More generally, crisps and chips include savory snack products made from not just potato, but also corn, tapioca, banana, or other cereals, and other root vegetables (e.g., sweet potato and carrot), and other fruits.

India is one of the largest producers of potato. Besides being used as a daily food item in various vegetable preparations, potato today increasingly finds use in the form of chips or wafers as snacks food. The potato chips and wafers are popular processed food items that give considerable value addition to potatoes.
Mixed Vegetable Chips (Sweet Potato, Pumpkin, Carrot, Taro and Green Beans), mixed fruit chips and beet root chips are processed by a vacuum frying method, the latest technology using the carefully selected raw materials from the best growing regions.
The basic chips are cooked and salted, and additional varieties are manufactured using various flavorings and ingredients including seasoning, herbs, spices, cheeses, and artificial additives. Chips are a predominant part of the snack food market in English speaking countries and numerous other Western and Asian nations.

Vegetables chips and fruit chips are 100% natural, Low fat, high nutrient, no preservative.
Vacuum frying is a reasonably new technology which uses lower pressure and temperature rather than atmospheric deep-fat frying to improve the quality attributes of food products.
Future Super parties might feature far healthier snacks if vacuum frying catches on. The technique, which is already used in Asia for items such as seaweed snacks, uses a lower temperature than conventionally fried foods. Vacuum frying reduces the amount of oil the food absorbs when compared to traditional frying methods; consequently, vacuum-fried foods retain more nutrients.
Advantages of Vacuum Frying

Vacuum fried products has low moisture content (<6%) and low water activity (aW<0.3) (Wongsuwan and Laosuksuwan, 2006). The absence of air during frying may inhibit oxidation including lipid oxidation, enzymatic browning; therefore, the color and nutrients of fried samples can be largely preserved (Tarzi et al., 2011). The products are crispy and retain original colour, taste and odour as of the natural foods.
Vacuum frying have some advantages, first it can reduce oil content in the fried product. Second it can preserve natural color and flavors of the product depend to the low temperature and oxygen content during frying process and third it has less adverse effect on oil quality. Likewise vacuum frying is beneficial to some fruits or vegetables with intense odour such as durian. Vacuum fried durian is less objectionable and more convenient to carry when compared with fresh durian.
Vacuum frying can be used to fry high sugar fruits and fresh vegetable in order to produce various kinds of snacks. Sugar is burnt before water is removed from the fruits. The products still have high moisture content.
**Market Outlook**

Potato chips and crisps are one of the most popular snack foods consumed worldwide. Over the years, the potato chips and crisp market has witnessed substantial growth, turning it into a multibillion-dollar market. However, the potato chips and crisps market is witnessing a shift in consumption patterns, a fluctuation in price of raw materials, and intense competition from substitutes. Manufacturers in the market are expected to meet success by developing newer products and quickly modifying ingredients of existing products to meet changes in consumer demand.
The development of newer flavors to meet taste preferences of varied consumers is the key to surviving in the global potato chips and crisps market.

The global potato chips market has been segmented by type and taste. By taste, the market is segregated into plain, salted, chili, and flavored chips. The global potato chips market is expected to grow at a CAGR of 4.3%, during the period 2017-2022, to reach a market value of USD 40.3 billion by 2022.
The global potato chips market is also segmented by the distribution channel into supermarkets/hypermarkets, convenience stores, independent retailers, and others. The supermarkets/hypermarkets dominated in 2016, with more than 70% market share.
Global Potato Chips Market, 2015 & 2021
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<th>Cost of Project</th>
<th>Means of Finance</th>
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## Project at a Glance

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<th>Debt</th>
<th>Dividend</th>
<th>Retained Earnings</th>
<th>Payout</th>
<th>Probable Market Price</th>
<th>P/E Ratio</th>
<th>Yield Price/Book Value</th>
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# Project at a Glance

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<th>Assets Turnover Ratio</th>
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**GPM**

**PBT**

**PAT**

**Net Contribution**

**P/V Ratio**

*Note: Values are approximate and may vary.*
# Project at a Glance

**BEP**

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<td>BEP - Maximum Utilisation Year</td>
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<td>Cash BEP (% of Installed Capacity)</td>
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<td>Total BEP (% of Installed Capacity)</td>
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<td>IRR, PAYBACK and FACR</td>
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<td>Internal Rate of Return (In %age)</td>
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<td>Payback Period of the Project (In Years)</td>
<td>2 Years 3 Months</td>
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<tr>
<td>Fixed Assets Coverage Ratio (No. of times)</td>
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*Source: www.entrepreneurindia.co*
Major Queries/Questions Answered in the Report?

1. What is Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing industry?

2. How has the Vacuum Fried Snacks (Sweet Potato, Beans and Beetroot) Manufacturing industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing Plant?

4. What are the requirements of Working Capital for setting up Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing plant?
5. What is the structure of the Vacuum Fried Snacks (Sweet Potato, Beans and Beetroot) Manufacturing Business and who are the key/major players?

6. What is the total project cost for setting up Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing plant?

7. What are the operating costs for setting up Vacuum Fried Snacks (Sweet Potato, Beans and Beetroot) Manufacturing plant?

8. What are the machinery and equipment requirements for setting up Vacuum Fried Snacks (Sweet Potato, Beans and Beetroot) Manufacturing plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing plant?

10. What are the requirements of raw material for setting up Vacuum Fried Snacks (Sweet Potato, Beans and Beetroot) Manufacturing plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Vacuum Fried Snacks (Sweet Potato, Beans and Beetroot) Manufacturing plant?

12. What is the Manufacturing Process of Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing plant?
13. What is the total size of land required for setting up Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing plant?

14. What will be the income and expenditures for Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing plant?

15. What are the Projected Balance Sheets of Vacuum Fried Snacks (Sweet Potato, Beans and Beetroot) Manufacturing plant?

16. What are the requirement of utilities and overheads for setting up Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing Business?
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24. What is the Sensitivity Analysis-Price/Volume of Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) Manufacturing plant?

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26. What is the Process Flow Sheet Diagram of Vacuum Fried Snacks (Sweet Potato, Beans and Beetroot) Manufacturing project?
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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 its 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.

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Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Vacuum Fried Snacks: Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot)” provides an insight into the Vacuum Fried Snacks: Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Vacuum Fried Snacks: Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) project. The report assesses the market sizing and growth of the Indian Vacuum Fried Snacks: Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) 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:

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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 Vacuum Fried Snacks: Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) sector in India along with its business prospects. Through this report we have identified Vacuum Fried Snacks: Vacuum Fried Vegetable Chips (Sweet Potato, Beans and Beetroot) project as a lucrative investment avenue.

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**Vacuum Fried Snacks**

**Vacuum Fried Vegetable Chips**
*(Sweet Potato, Beans and Beetroot)*


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Selection process starts with the generation of a product idea. In order to select the most promising project, the entrepreneur needs to generate a few ideas about the possible projects.

Here’s we offer a best and easiest way for every entrepreneur to searching criteria of projects on our website www.entrepreneurindia.co that is “Instant Online Project Identification and Selection”
NPCS Team has simplified the process for you by providing a "Free Instant Online Project Identification & Selection" search facility to identify projects based on multiple search parameters related to project costs namely: Plant & Machinery Cost, Total Capital Investment, Cost of the project, Rate of Return% (ROR) and Break Even Point % (BEP). You can sort the projects on the basis of mentioned pointers and identify a suitable project matching your investment requisites.

Click here to go

http://www.entrepreneurindia.co/project-identification
Contact us

Niir Project Consultancy Services
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Take a look at NIIR PROJECT CONSULTANCY SERVICES on
#StreetView

https://goo.gl/VstWkd
Who are we?

- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services
- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients’ in India & abroad
We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.
We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.
What do we offer?

○ Project Identification
○ Detailed Project Reports/Pre-feasibility Reports
○ Market Research Reports
○ Business Plan
○ Technology Books and Directory
○ Industry Trend
○ Databases on CD-ROM
○ Laboratory Testing Services
○ Turnkey Project Consultancy/Solutions
○ Entrepreneur India (An Industrial Monthly Journal)
How are we different?

- We have two decades long experience in project consultancy and market research field
- We empower our customers with the prerequisite know-how to take sound business decisions
- We help catalyze business growth by providing distinctive and profound market analysis
- We serve a wide array of customers, from individual entrepreneurs to Corporations and Foreign Investors
- We use authentic & reliable sources to ensure business precision
Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation
Who do we serve?

- Public-sector Companies
- Corporates
- Government Undertakings
- Individual Entrepreneurs
- NRI’s
- Foreign Investors
- Non-profit Organizations, NBFC’s
- Educational Institutions
- Embassies & Consulates
- Consultancies
- Industry / trade associations
Sectors We Cover

- Ayurvedic And Herbal Medicines, Herbal Cosmetics
- Alcoholic And Non Alcoholic Beverages, Drinks
- Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin
- Activated Carbon & Activated Charcoal
- Aluminium And Aluminium Extrusion Profiles & Sections,
- Bio-fertilizers And Biotechnology
- Breakfast Snacks And Cereal Food
- Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling

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Sectors We Cover

- Bamboo And Cane Based Projects
- Building Materials And Construction Projects
- Biodegradable & Bioplastic Based Projects
- Chemicals (Organic And Inorganic)
- Confectionery, Bakery/Baking And Other Food
- Cereal Processing
- Coconut And Coconut Based Products
- Cold Storage For Fruits & Vegetables
- Coal & Coal Byproduct
Sectors We Cover

- Copper & Copper Based Projects
- Dairy/Milk Processing
- Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- Electrical, Electronic And Computer based Projects
- Essential Oils, Oils & Fats And Allied
- Engineering Goods
- Fibre Glass & Float Glass
- Fast Moving Consumer Goods
- Food, Bakery, Agro Processing

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Sectors We Cover

- Fruits & Vegetables Processing
- Ferro Alloys Based Projects
- Fertilizers & Biofertilizers
- Ginger & Ginger Based Projects
- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
- Hotel & Hospitality Projects
- Hospital Based Projects
- Herbal Based Projects
- Inks, Stationery And Export Industries
Sectors We Cover

- Infrastructure Projects
- Jute & Jute Based Products
- Leather And Leather Based Projects
- Leisure & Entertainment Based Projects
- Livestock Farming Of Birds & Animals
- Minerals And Minerals
- Maize Processing (Wet Milling) & Maize Based Projects
- Medical Plastics, Disposables Plastic Syringe, Blood Bags
- Organic Farming, Neem Products Etc.
- Paints, Pigments, Varnish & Lacquer
- Paper And Paper Board, Paper Recycling Projects
- Printing Inks
- Packaging Based Projects
- Perfumes, Cosmetics And Flavours
- Power Generation Based Projects & Renewable Energy Based Projects
- Pharmaceuticals And Drugs
- Plantations, Farming And Cultivations
- Plastic Film, Plastic Waste And Plastic Compounds
- Plastic, PVC, PET, HDPE, LDPE Etc.
Sectors We Cover

- Potato And Potato Based Projects
- Printing And Packaging
- Real Estate, Leisure And Hospitality
- Rubber And Rubber Products
- Soaps And Detergents
- Stationary Products
- Spices And Snacks Food
- Steel & Steel Products
- Textile Auxiliary And Chemicals
Sectors We Cover

- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry (Packaged Drinking Water & Mineral Water)
- Wire & Cable
Contact us

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https://goo.gl/VstWkd
For more information, visit us at:
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