

Profitable Investment Opportunity in Blood Collection Tube (Vacutainer) Production

Business Ideas and Opportunities for Startups in Vacuum Blood Collection Tube



Introduction

A blood collection tube generally consists of a glass or plastic tube with a rubber stopper. It's a vacuum in order that blood will flow into the tube. Blood collection tubes may contain anticoagulants and/or other chemical additives.

Diagnosis is that the initiative to disease management, as without accurate identification there's no possibility for accurate treatment. India may be a land filled with opportunities for players within the diagnostic service industry. The country has become one among the main destinations for various diagnostic services. Also, India's thriving economy is driving urbanization and developing an expanding bourgeoisie, with rising disposable incomes to spend on healthcare.

Related Projects: - [Healthcare and Medical Businesses](#)

Blood collection, or the collection of blood, usually involves the removal of blood and it comes in many alternative forms. it is also a common term in blood sampling for laboratory analysis.

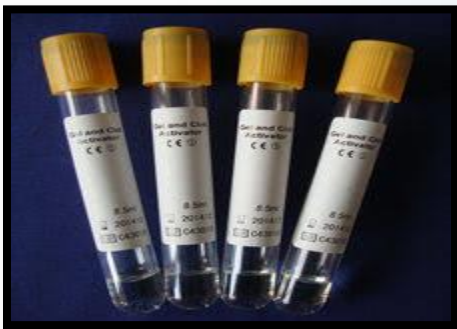
Three Popular Methods of Blood Collection are:

Arterial Sampling

Venipuncture Sampling

Finger stick Sampling

Related Books:- [Disposable Products \(Medical, Surgical, Thermocol, Plastic, Paper, Domestic And General Products\)](#)



Types of Tubes

Vacutainer tubes may contain additional substances that preserve blood for processing in a medical laboratory. Using the wrong tube may make the blood sample unusable for the intended purpose. These additives are typically thin film coatings applied using an ultrasonic nozzle.

Related Videos:- Disposable Products

The additives may include anticoagulants (EDTA, sodium citrate, and heparin) or a gel with density between those of blood cells and blood plasma. Additionally, some tubes contain additives that preserve certain components of or substances within the blood, such as glucose. When a tube is centrifuged, the materials within are separated by density, with the blood cells sinking to the bottom and the plasma or serum accumulating at the top. Tubes containing gel can be easily handled and transported after centrifugation without the blood cells and serum mixing.

Advantages of Vacutainer Tubes

Vacutainer tubes are widely being used nowadays. They have several advantages over the traditional method of drawing blood using syringes.

They are safer to use.

They are easier to use. The tubes come with pre-added additives. The color-coding of the stoppers is universal which makes it easier to understand and communicate amongst the medical fraternity.

It allows many tubes to be filled at one sitting.

There is a lower chance of hemolysis.

Related projects: - [Surgical, Medical Plastics, Medical Disposables, Disposable Medical Products used in Hospitals](#)



Since the stoppers need not be removed for adding blood to the tubes, chances of contamination are reduced.

A Vacutainer is a blood collection tube (sterile glass or plastic tube) used to collect blood samples for laboratory testing.

These tubes have a closure that is evacuated to create a vacuum inside the tube thereby enabling a predetermined amount of blood to be withdrawn.

Vacutainer tubes have a colored rubber stopper at one end which is a kind of code for different types of sampling.

Related project:- [Investment Opportunities in Vacutainer Blood Collection Tube Production](#)



Blood Collection Tubes

By Tube Type: Plasma Separation Tube, Heparin Tubes, EDTA Tubes, Rapid Serum Tubes, Serum Separating Tubes, and Others

By Material Type: Glass and Plastic

By End-Users: Hospitals and Clinics, Research centers, Diagnostic centers and others

By Geography: North America, Asia-Pacific, Europe, and Rest of World

Market Research: - **Market Research Report**



Market Outlook

Growing R&D in the healthcare sector, rising prevalence of chronic diseases, growth in geriatric population along with the adaptation of serum separation tube across healthcare facility has driven the segment growth.

Blood Collection Tubes Market was valued at USD 1.61 Billion in 2018 and is projected to reach USD 2.41 Billion by 2026, growing at a CAGR of 5.2% from 2019 to 2026.

Projects:- Project Reports & Profiles



A Vacutainer blood collection tube may be a sterile glass or plastic tube with a closure that's evacuated to make a vacuum inside the tube facilitating the draw of a predetermined volume of liquid. Most ordinarily wont to collect blood samples in venipuncture, they're also used as urine collection tubes and as serum separator tubes. Vacutainer tubes may contain additives designed to stabilize and preserve the specimen before analytical testing. Tubes are available with or without a safety-engineered closure, with a variety of labeling options and closure colors also as a range of draw volumes.

Books:- [BOOKS & DATABASES](#)



The blood testing market is predicted to witness rapid climb, because of the increasing need for the identification of infectious agents, cardiovascular diseases, cancer biomarkers, substance abuse, and women's health issues. A blood test is performed for various indications, such as anemia, infection, leukemia, hypokalemia, and kidney. Lab diagnostics, counting on diagnostic tests to initiate the treatment of any disease condition, have played a significant role within the growth of the blood testing market.

Related Video: - [How to Manufacture Blood Bags, Flexible PVC Blood Bags, Blood Collection Bag](#)



[Global Blood Collection Tubes Market Outlook](#)

The market outlook section mainly encompasses fundamental dynamics of the market which include drivers, restraints, opportunities and challenges faced by the industry. Drivers and restraints are intrinsic factors whereas opportunities and challenges are extrinsic factors of the market.

Increasing demand for accuracy and precision within the analytical testing is that the primary factor expected to drive the expansion of worldwide blood collection tubes market. Also, increase in demand for improved blood sampling techniques, growing demand for safe blood collection technologies, and growth in preference towards disposable products for laboratory further responsible to boost the market growth. On a contrary, the shortage of skilled personnel and high cost of blood handling equipment are the factors which may impact negatively to the market growth.

Market Research: - [Market Research Report](#)

Growth in Demand for Safe Blood Collection Technologies is Boosting the Market

Blood collection tube is comprised of cleaned glass or plastic tube with a close end that is emptied to make a vacuum inside the tube to empower the suction of a foreordained volume of fluid. These tubes are most ordinarily used to gather blood tests, however can likewise be utilized as pee collection tubes and as serum separator tubes. Blood collection tubes are important for diagnostics, in medical procedures and for transfusion methodology.

Related project:- Investment Opportunities in Vacutainer Blood Collection Tube Production



Blood collection tube comprises of a readied test vessel and a readied plastic start to finish collection slim with plug. Blood collection tube is a favored methodology for examining blood, as it offers easy handling, also protected from light, and tinted vessels for bilirubin examination.

Likewise, blood collection tubes are strong and the plastic tubes offer precise filling volume. The key factors that drive the development of the blood collection tube market is rise in demand for safe blood collection innovations, increment popular for improved blood testing systems, and increment in inclination towards dispensable items for research center.

Projects:- [Project Reports & Profiles](#)



Key Players:-

Becton Dickinson India Pvt. Ltd.

Hindustan Syringes & Medical Devices Ltd.

Kriya Medical Technologies Pvt. Ltd.

Narang Medical Ltd

Poly Medicure Ltd.

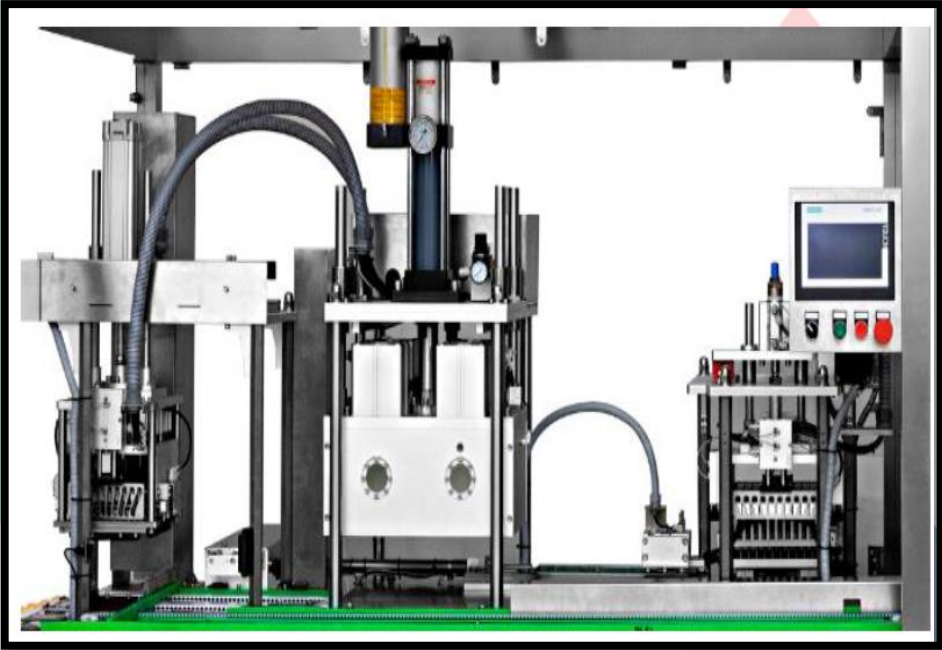
Machinery Photographs



Automatic 4 Station Drying Machine



Automatic Cap and Stopper Assembling Machine



Capping & Vacuuming & Tray Loading Machine



Labeling machine auto connect with Combination type line

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site							
Development Exp.	0.00	103.00	103.00	Capital	0.00	276.30	276.30
Buildings	0.00	94.30	94.30	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	464.00	464.00	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	99.00	99.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	20.00	20.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	828.90	828.90
Preliminary & Pre-operative Exp	0.00	5.00	5.00	Debentures / Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	34.00	34.00	Loans/Deposits	0.00	0.00	0.00
Margin Money -							
Working Capital	0.00	277.91	277.91				
TOTAL	0.00	1105.21	1105.21	TOTAL	0.00	1105.21	1105.21

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	6.15	9.68	16.15	24.00	0.00	100.00	6.15	0.00	6.15	1.00	0.00
2-3	8.92	11.95	25.07	18.00	0.00	100.00	8.92	0.00	8.92	1.00	0.00
3-4	11.66	14.28	36.73	12.00	0.00	100.00	11.66	0.00	11.66	1.00	0.00
4-5	14.33	16.60	51.06	6.00	0.00	100.00	14.33	0.00	14.33	1.00	0.00
5-6	16.91	18.87	67.98	0.00	0.00	100.00	16.91	0.00	16.91	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / Equity		Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall	- Deposits Debt	as-Equity			GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.42	1.42		1.49	1.49	3.15		13.76%	7.72%	5.47%	1607.18	51.67%	1.69	1.23
2-3	1.73	1.57		0.72	0.72	1.97		15.47%	10.26%	6.79%	1285.80	35.43%	1.78	1.37
3-4	2.09	1.73	2.09	0.33	0.33	1.30		16.62%	12.06%	7.77%	1455.46	35.09%	1.79	1.53
4-5	2.52	1.90		0.12	0.12	0.90		17.40%	13.34%	8.49%	1625.11	34.83%	1.75	1.71
5-6	3.02	2.09		0.00	0.00	0.65		17.92%	14.25%	9.02%	1794.77	34.62%	1.67	2.16

Project at a Glance

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	50.35%
Total BEP (% of Installed Capacity)	53.37%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	29.09%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	10.959

Major Queries/Questions Answered in the Report?

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

- 5. What is the structure of the Blood Collection Tubes (Vacutainer) Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Blood Collection Tubes (Vacutainer) Manufacturing Business?**
- 7. What are the operating costs for setting up Blood Collection Tubes (Vacutainer) Manufacturing plant ?**
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- 5.3. IS 3601 (2006): STEEL TUBES FOR MECHANICAL AND GENERAL ENGINEERING PURPOSES
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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 Blood Collection Tubes (Vacutainer).” provides an insight into Blood Collection Tubes (Vacutainer) market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Blood Collection Tubes (Vacutainer) project. The report assesses the market sizing and growth of the Indian Blood Collection Tubes (Vacutainer) 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 Blood Collection Tubes (Vacutainer) sector in India along with its business prospects. Through this report we have identified Blood Collection Tubes (Vacutainer) project as a lucrative investment avenue.

Tags

#BloodCollectionTubes #Vacutainer #BloodCollectionTubeMarket
#CollectionTubeProduction #CollectionTubeManufacturing
#CollectionTubeBusiness #BloodCollectionMarket #BloodCollection
#BloodCollectionIndustry #NewRelease #DetailedProjectReport
#businessconsultant #BusinessPlan #feasibilityReport #NPCS
#Startupbusinessideas #businessestostart #startupideas
#businessstartupindia #StartupBusiness #projectconsultancy
#businessconsulting #projectconsultant #InvestmentOpportunities

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(Instant Online Project Identification and Selection)

Finding the right startup business is one of the most popular subject today. Starting a business is no easy endeavor, but the time, effort, and challenges can be worth it if you succeed. To give yourself the best chance to be successful, take your time to carefully find the right business for you. We, at NPCS, endeavor to make business selection a simple and convenient step for any entrepreneur/startup. Our expert team, by capitalizing on its dexterity and decade's long experience in the field, has created a list of profitable ventures for entrepreneurs who wish to diversify or venture. The list so mentioned is updated regularly to give you a regular dose of new emerging opportunities.

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NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the 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**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,

Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

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 India along with its business prospects.....[Read more](#)



Contact us

NIIR PROJECT CONSULTANCY SERVICES

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Niir PROJECT CONSULTANCY SERVICES

AN ISO 9001: 2015 CERTIFIED COMPANY

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

Sectors We Cover *Conti...*

- 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 *Cont...*

- 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

Sectors We Cover *Cont...*

- 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

Cont...

- 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.

Sectors We Cover *Cont...*

- 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 *Cont...*

- 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 *Cont...*

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

MARKET RESEARCH REPORTS

Objective

- ⌘ To get a detailed scenario of the industry along with its structure and classification
- ⌘ To provide a comprehensive analysis of the industry by covering aspects like:
 - ⌘ Growth drivers of the industry
 - ⌘ Latest market trends
 - ⌘ Insights on regulatory framework
 - ⌘ SWOT Analysis
 - ⌘ Demand-Supply Situation
 - ⌘ Foreign Trade
 - ⌘ Porters 5 Forces Analysis

Objective

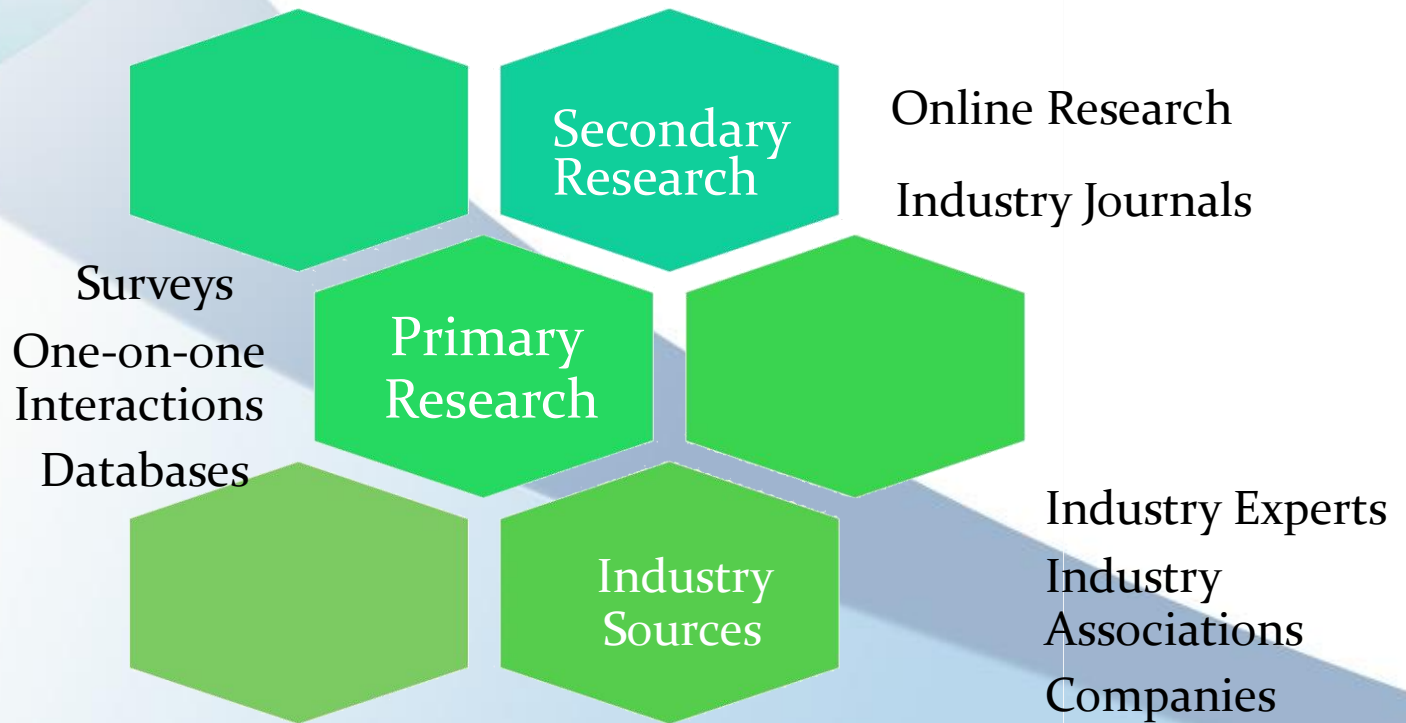
- ⌘ To provide forecasts of key parameters which helps to anticipate the industry performance
- ⌘ To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- ⌘ To help an entrepreneur/manager in keeping abreast with the changes in the industry
- ⌘ To evaluate the competitive landscape of the industry by detailing:
 - ⌘ Key players with their market shares
 - ⌘ Financial comparison of present players

Clientele

- ⌘ Venturist/Capitalists
- ⌘ Entrepreneur/Companies
- ⌘ Industry Researchers
- ⌘ Investment Funds
- ⌘ Foreign Investors, NRI's
- ⌘ Project Consultants/Chartered Accountants
- ⌘ Banks
- ⌘ Corporates

[Click here for list](#)

Data Sources



Scope & Coverage



Our Team

- ⌘ Our research team comprises of experts from various financial fields:
- ⌘ MBA's
- ⌘ Industry Researchers
- ⌘ Financial Planners
- ⌘ Research veterans with decades of experience

Structure of the Report

- 1. Overview
- 2. Market Analysis
 - 2.1 Growth Drivers
 - 2.2 Emerging Trends in the Industry
 - 2.3 Regulatory Framework
 - 2.4 SWOT Analysis
 - 2.5 Herfindahl–Hirschman Index (HHI)
- 3. Market Forecasts
- 4. Key Players

Structure of the Report

Cont

- ⌘5. Key Financials and Analysis
 - ⌘5.1 Contact Information
 - ⌘5.2 Key Financials
 - ⌘5.3 Financial comparison
- ⌘6. Industry Size & Outlook

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Thank You

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