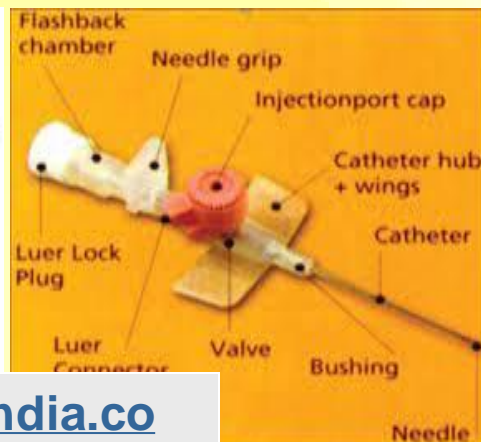


# ***Business Opportunities in Intravenous (IV) Cannula Production***





IV CANNULA  
WITH PORT &  
WINGS



IVBCS<sup>®</sup>  
BROCATH IV CANNULA  
WITH PUMEX CATHETER

Intravenous (IV) cannulation is a venous access procedure that involves inserting a cannula into a vein. Blood screening, as well as

the administration of fluids, medications, parenteral care, chemotherapy, and blood products, are all possible with venous access.

A cannula is a tube that can be inserted into the body for the purpose of delivering or removing fluid or collecting samples. Simply put, a cannula may be used to cover the inner or outer surfaces of a trocar needle, increasing the effective needle length by at least half of the initial needle length. **Related projects:-** [Business Plan for Set up](#)

[Manufacturing Unit of Intravenous \(IV\) Cannulas](#)

An intravenous (IV) cannula is another name for it. It comes in a number of sizes, ranging from 14 to 24 ga. Its gauge usually ranges from 14 to 24. Color-coded cannulas come in a range of sizes. Intravenous cannulation is a technique that involves inserting a thin plastic tube (a cannula) into a peripheral vein. The venous access obtained after that can be used to administer fluids, medications, and nutrition. Blood samples can be collected from the cannula in some circumstances.

**Related book:- [Handbook on Medical and Surgical Disposable Products \(Blood Bags, Plastic Gloves, I.V. Cannula, Infusion Set, Gowns, Masks, Catheter, Cotton and Bandage, Surgical Wear, Syringes\)](#)**

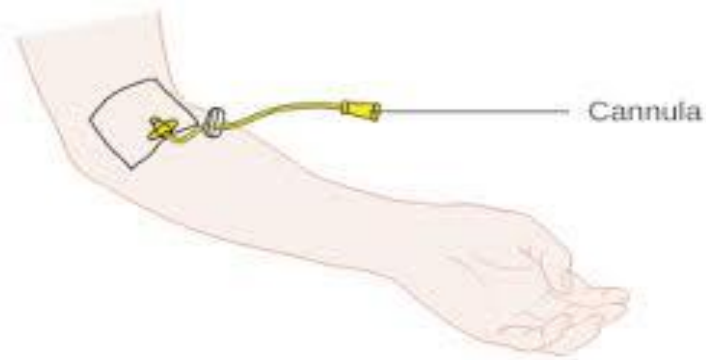
# Different types and Uses of Intravenous (IV) cannula



Peripheral IV cannula: The peripheral IV

cannula is the most widely used IV cannula and is typically used by emergency room and surgical patients, as well as those undergoing radiological imaging. Each of these IV lines is only used for a maximum of four days. It's taped to the skin with adhesive tape or a non-allergic alternative after being hooked to an IV catheter. Central line IV cannula: This type of IV cannula is used for patients who are undergoing prolonged treatments and require medication or fluids to be administered over multiple weeks or months. They help in faster delivery of medicines for producing fast responses.

**Related videos:- [Disposable Products](#)**



They are also a good choice for transferring large amounts of blood or any other fluid into the patient's body. This IV cannula is inserted into the jugular vein, subclavian vein, or femoral vein in the

neck. Midline catheter: This is the best option for patients who will be receiving treatment for more than five days but less than a month. They're a less invasive way for collecting blood samples or transporting contents. The IV tube is inserted into a broad vein in the patient's upper arm.

**Related Project:- [Projects And Reports](#)**

# GOVT. Schemes for Promotion of Medical Devices Manufacturing

Medical devices have been listed as a priority sector for the flagship 'Make in India' initiative, and the Indian government is committed to strengthening the manufacturing ecosystem. India is Asia's fourth-largest market for medical devices. The Indian market is currently heavily reliant on imports, but exports have recently increased. India's vision of being a global manufacturing centre for medical devices is being boosted by the Atma Nirbhar' Bharat mission.

**Related books:- [Disposable Products \(Medical, Surgical, Thermocol, Plastic, Paper, Domestic And General Products\) - Use And Throw Items, Single Use Items, Disposable Take-Away Packaging, Disposable Items Manufacturing](#)**



The Production Linked Incentive Scheme (PLI) and the Promotion of Medical Device Parks Scheme, for example, are recent initiatives that demonstrate this. These

schemes have been thoughtfully designed to promote large-scale manufacturing and to provide the infrastructure essential for the growth of manufacturing clusters in India. The PLI Scheme for Medical Devices Manufacturing proposes a financial opportunity to improve domestic manufacturing and attract substantial investment in medical device segments such as cancer care devices, radiology and imaging devices, anesthetics devices, implants.

**Profile; - [Project Reports & Profiles](#)**



The manufacturing process during the scheme's length, linked rewards worth up to INR 3,420 crore will be awarded. Surgical dressings and disposable perfusion sets are classified as Class A products by the central drug authority. If needles, urinary catheters, and other medical devices are classified as class B, bone cement, dialysis machines, and other medical devices are classified as class C due to the moderate-high risk they pose. Stents, heart valves, and other medical devices are in high demand. Compliance is more of a concern in the low-risk, high-volume groups. The demand for consumables and patient aids is estimated to be worth \$5.2 billion, or roughly 30% of the total.

**Books: - [BOOKS & DATABASES](#)**





Large players dominate the hi-tech diagnostic imaging market, which would be the least affected. The government has set strict deadlines for the rule's enforcement for various items. The notice from the Ministry of Health includes all products, including instruments, apparatus, appliances, implants, materials, and other items — whether used alone or in combination, including software or an accessory — that the manufacturer intends to be used specifically for humans or animals. The announcement comes at a time when the domestic medical device industry was anticipating a separate law to govern medical devices, rather than the existing regulation that classifies such devices as "drugs" and requires regulatory approval under the Drugs and Cosmetics Act.





There has been an increase in the prevalence of many chronic diseases that need vascular access care over the last decade. Cancer, renal failure, and heart disease, among other chronic diseases, as well as other lifestyle conditions such as hypertension, diabetes, obesity, and depression, among others, necessitate critical care during hospitalization. The rise in such chronic diseases is accelerating the market's growth. Furthermore, an increase in the number of surgeries performed globally is a major factor driving market growth.

**Market Research; - [Market Research Report](#)**



The All India Institute of Medical Science (AIIMS) declared that it conducted 1.94 lakh surgeries in 2018, making it the institute with the most surgeries performed globally in that year.

However, drug errors associated with infusion pumps, which result in product recalls, and a stringent regulatory environment are the major factors impeding the market's global growth. According to the Institute of Medicine in the United States, nearly 1.5 million patients encounter medication errors per year, with each PADE (Potential Adverse Drug Event) costing USD 8,750. From USD 4.03 billion in 2017, the global peripheral intravenous (IV) catheter market is projected to hit USD 6.73 billion by 2025, expanding at a CAGR of 6.1 percent from 2018 to 2025.

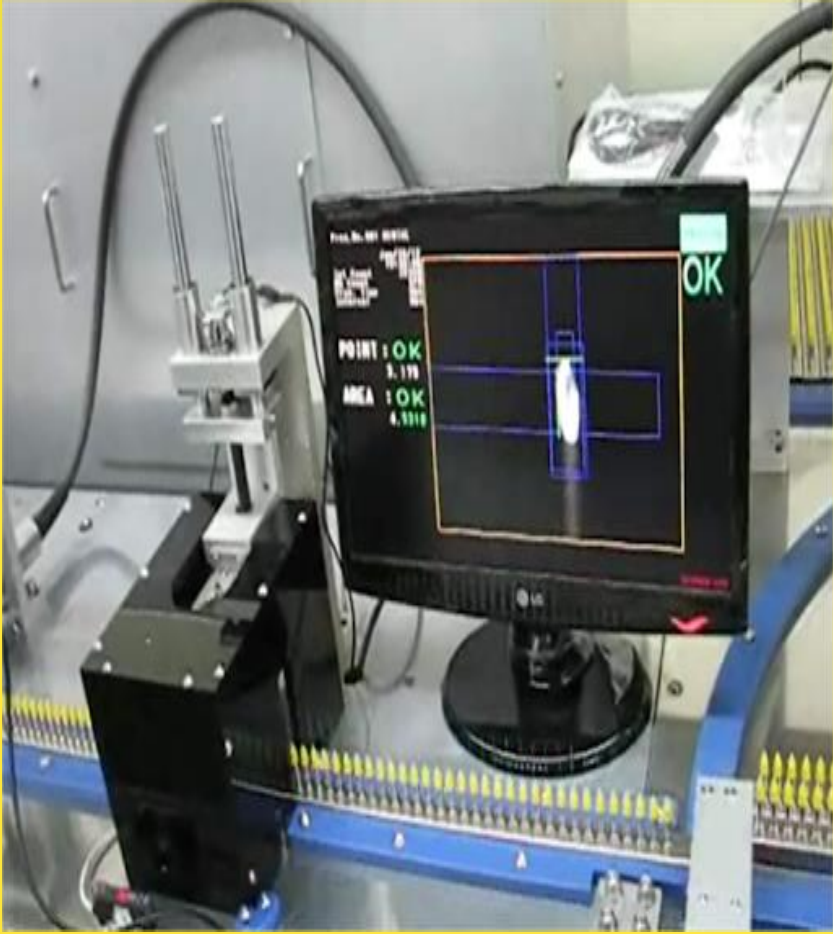
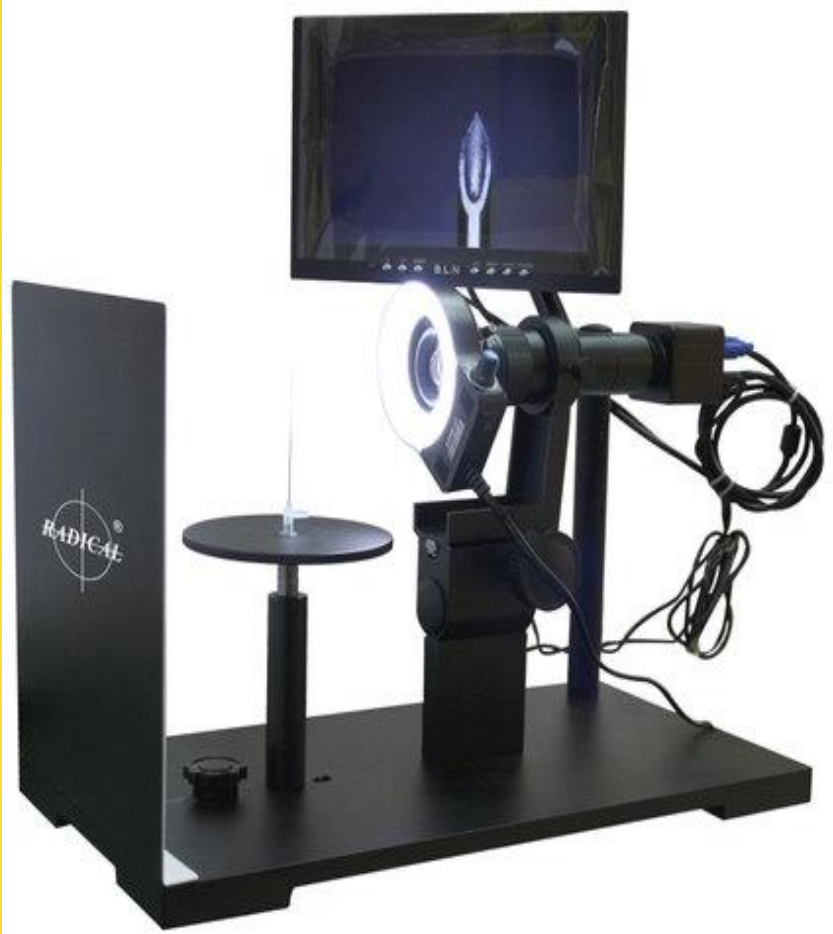
- Angi Plast Pvt. Ltd.
- Global Medikit Ltd.
- Hemant Surgical Inds. Ltd.
- Hindustan Syringes & Medical Devices Ltd.
- Mediplus (India) Ltd.
- Smiths Medical India Pvt. Ltd.

## IV CANNULA TEFLON TUBE CUTTING MACHINE





# SET OF MONITOR FOR VISION INSPECTION

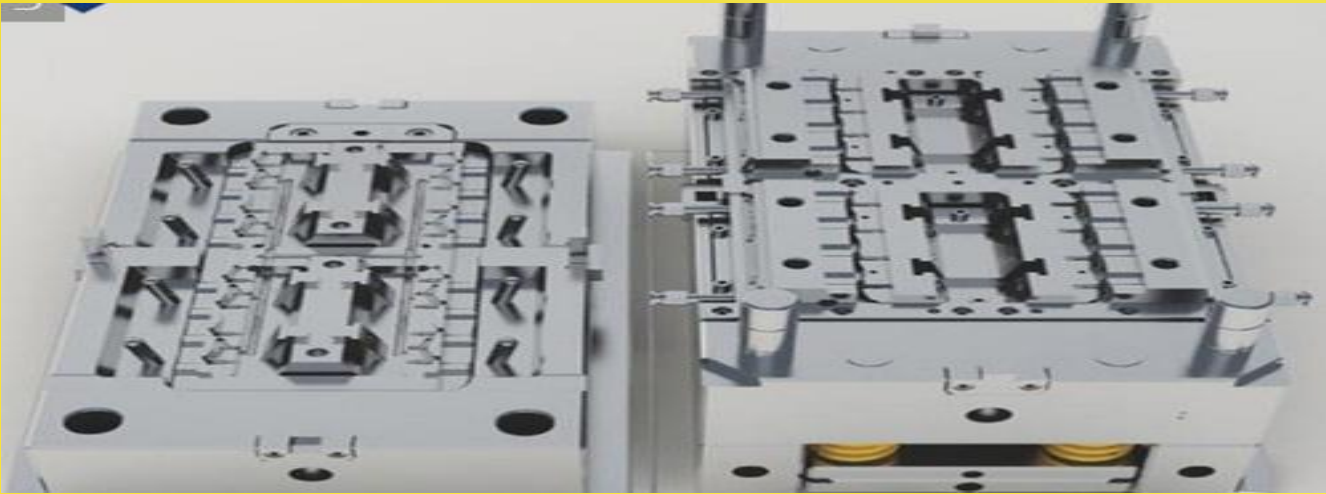


# IV CANNULA TUBE FORMING MACHINE





# TUBE FORMING MOLD FOR 7 GAUGES



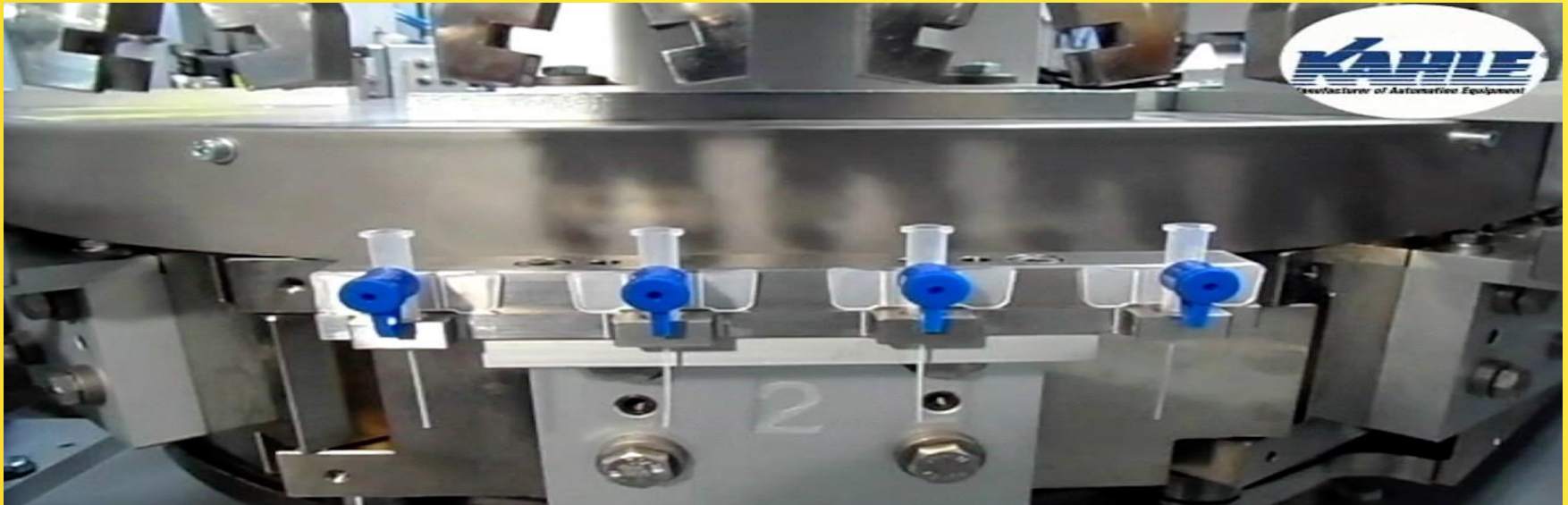
## **FILTER PUNCHING AND ULTRASONIC WELDING MACHINE**



## **IV CANNULA AUTO INNER BOX PACKAGE MACHINE**



# IV CANNULA ASSEMBLY MACHINE





# IV CANNULA BLISTER PACKING MACHINE



## I V CANNULA AUTO LOADING MACHINE FOR BLISTER PACKING



## E.O. GAS STERILIZER



## AIR COMPRESSOR



## AIR SHOWER



# AUTOMATIC BLISTER PACKING MACHINE







# VALVES, MOTOR, PIPELINE & FITTINGS



# QUALITY CONTROL DEPARTMENT



COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existin g	Propose d	Total	Particulars	Existin g	Propose d	Total
Land & Site						3653.7	3653.7
Development Exp.	0.00	130.00	130.00	Capital	0.00	7	7
Buildings	0.00	115.70	115.70	Share Premium	0.00	0.00	0.00
			1705.2	Other Type Share			
Plant & Machineries	0.00	1705.29	9	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	115.00	115.00	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		10961.	10961.
Deposits	0.00	0.00	0.00	Borrowings	0.00	32	32
Preliminary& Pre-				Debentures /			
operative Exp	0.00	10.00	10.00	Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	117.28	117.28	Loans/Deposits	0.00	0.00	0.00
Margin Money -		12391.8	12391.				
Working Capital	0.00	3	83				
		14615.0	14615.			14615.	14615.
TOTAL	0.00	9	09	TOTAL	0.00	09	09

# 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	8.63	9.45	18.63	24.00	0.00	100.00	8.63	0.00	8.63	1.00	0.00
2-3	11.84	12.54	30.47	18.00	0.00	100.00	11.84	0.00	11.84	1.00	0.00
3-4	13.10	13.71	43.57	12.00	0.00	100.00	13.10	0.00	13.10	1.00	0.00
4-5	15.35	15.86	58.92	6.00	0.00	100.00	15.35	0.00	15.35	1.00	0.00
5-6	17.58	18.02	76.50	0.00	0.00	100.00	17.58	0.00	17.58	1.00	0.00

# Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turn over 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	1.39	1.39		1.29	1.29	4.81		50.04%	25.95%	16.77%	4517	240.28%	0.48	1.44
2-3	1.80	1.59		0.59	0.59	2.76		50.65%	30.90%	19.73%	1205	54.94%	0.52	1.53
3-4	2.02	1.72	2.04	0.28	0.28	2.28		51.07%	30.07%	19.10%	2538	101.28%	0.48	1.49
4-5	2.41	1.87		0.10	0.10	1.77		51.36%	31.39%	19.88%	2130	75.54%	0.47	1.53
5-6	2.89	2.04		0.00	0.00	1.43		51.55%	32.41%	20.50%	2302	73.48%	0.46	1.67



## BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	29.97%
Total BEP (% of Installed Capacity)	30.67%

## IRR, PAYBACK and FACR

Internal Rate of Return .. ( In %age )	35.08%
Payback Period of the Project is ( In Years )	2 Years 3 Months
Fixed Assets Coverage Ratio ( No. of times )	26.829

# **Major Queries/Questions Answered in the Report?**

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



**5. What is the structure of the IV Cannulas Manufacturing Business and who are the key/major players ?**

**6. What is the total project cost for setting up IV Cannulas Manufacturing Business?**

**7. What are the operating costs for setting up IV Cannulas Manufacturing plant ?**

**8. What are the machinery and equipment requirements for setting up IV Cannulas Manufacturing plant ?**

**9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up IV Cannulas Manufacturing plant ?**

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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 IV Cannulas Manufacturing Unit.” provides an insight into IV Cannulas Manufacturing Unit market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of IV Cannulas Manufacturing Unit project. The report assesses the market sizing and growth of the Indian IV Cannulas Manufacturing Unit 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 (IV) Cannulas Manufacturing Unit sector in India along with its business prospects. Through this report we have identified (IV) Cannulas Manufacturing Unit project as a lucrative investment avenue.**



# Tags

**#DetailedProjectReport**      **#businessconsultant**      **#BusinessPlan**  
**#feasibilityReport**    **#NPCS**    **#entrepreneurindia**    **#startupbusiness**  
**#ProjectReport** **#startup** **#projectconsultancy** **#businessopportunity**  
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**#IntravenousCannulation**                      **#Medical**                      **#MANufacturingBusiness**  
**#ProductionBusiness**                      **#DisposableProducts**                      **#DisposableBusiness**  
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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.**

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- **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** *Cont...*

- 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**

**For more information, visit us at:**

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