Manufacturing Business of Medical Disposables.

IV Cannula.

Cannula Manufacturing System

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Introduction

The IV cannula itself is a small flexible tube that surrounds a trocar needle used to puncture the skin. The cannula has a fitting that can be connected to more tubing or a port for medication administration once the needle has been removed. Aside from aiding in hydration and administering medication, a cannula can also be used to obtain blood samples for testing.

Intravenous (IV) cannulation is a technique in which a cannula is placed inside a vein to provide venous access. Venous access allows sampling of blood, as well as administration of fluids, medications, parenteral nutrition, chemotherapy, and blood products.
A cannula is a tube that can be inserted into the body, often for the delivery or removal of fluid or for the gathering of data. In simple terms, a cannula can surround the inner or outer surfaces of a trocar needle thus extending the effective needle length by at least half the length of the original needle. It is also called an intravenous IV cannula. Its size mainly ranges from 14 to 24 gauge. Different-sized cannula have different colours as coded.

‘Cannula’ and ‘catheter’ both mean exactly the same thing— a flexible tube inserted into the body to administer or withdraw fluids or to keep another tube patent. Intravenous cannulation is a technique in which a cannula is placed inside a vein to provide venous access.
Venous access allows sampling of blood as well as administration of fluids, medications, parental nutrition, chemotherapy, and blood products. In general, the smallest gauge of catheter should be selected for the prescribed therapy to prevent damage to the vessel intima and ensure adequate blood flow around the catheter, which reduces the risk of phlebitis. In an emergency situation or when patients are expected to require large volumes infused over a short period of time, the largest gauge and shortest catheter that is likely to fit the chosen vein should be used. There are four types of IV Catheter: Peripheral Catheter, Midline Peripheral Catheter, and Peripherally Inserted Central Catheter & Central Venous Catheter.
Uses and Applications

A venous cannula is inserted into a vein, primarily for the administration of intravenous fluids, obtaining blood samples and administering medicines. An arterial cannula is inserted into an artery, commonly the radial artery, and is used during major operations and in critical care areas to measure beat-to-beat blood pressure and to draw repeated blood samples. IV Cannula has veterinary use, nasal or oral use too. Cannula can also be used for piercing. The common uses are rapid transfusion of blood, transfusion of IV drugs. Paediatric patients or adults with small veins undergoing long term medication or blood transfusion are subjected to IV Cannula. It is also used on oncology patients undergoing Chemotherapy.
Market Outlook

The Indian market for peripheral intravenous catheters (PIVCs) is split up into 2 segments: conventional PIVC and safety PIVC. PIVCs are inserted in veins and arteries. An arterial access site is utilized in patients that require blood pressure monitoring. Firmer catheters are preferred for arterial access. A venous access site is utilized for infusing fluids, providing antibiotic treatment and other standard procedures. In 2016, safety PIVCs represented 12% of the total market for PIVCs, with the remaining balance represented by conventional PIVCs. Growth in the unit sales of advanced materials PIVCs is expected to drive gains in the share of safety PIVCs over the forecast period.
The global peripheral I.V. catheter market was valued at $3,702.2 million in 2015, and it is expected to grow at a CAGR of 6.0% during the period 2016 - 2022. The global market is increasing, due to growing geriatric population and increasing incidence of chronic diseases. In addition, the growing demand for injectable drugs in comparison to the oral medications, increasing healthcare expenditure and technological advancements in peripheral I.V. catheter is encouraging the growth of the global peripheral I.V. catheter market.
Global Catheter Market Segmentation, By Product Type

Cardiovascular Catheter
- Electrophysiology Catheters
- PTCA balloon catheters
- IVUS catheters
- PTA balloon catheters
- Others

Catheters Market, By Product Type

Neurovascular Catheters

Specialty Catheters
- Wound/surgical drain
- Oxi metry
- Thermol dilution
- IUI catheters

Intravenous Catheters
- Central venous catheters
- Peripheral venous catheter

Urological Catheters
- Dialysis catheter
- Urinary catheter
Catheters Market, By Geography, 2014-2022

($Million)
U.S. Catheters Market

![Chart showing the market share of different types of catheters in the U.S. from 2012 to 2020. The chart is color-coded to represent Cardiovascular Catheter, Intravenous Catheters, Speciality Catheters, Urology Catheters, and Neurovascular Catheters.]
Few Indian Major Players are as under

- La Medical Devices Ltd.
- Lifeline Injects Ltd.
- Sangam Health Care Products Ltd.
- Span Medicals Ltd.
- Surgioplast Ltd.
<table>
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<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
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## Project at a Glance

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<th>Annualised Book Value</th>
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<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>Return on Net Worth</th>
<th>Profitability Ratio</th>
<th>Assets Turnover Ratio</th>
<th>Current Ratio</th>
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## Project at a Glance

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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>Fixed Assets Coverage Ratio (No. of times)</td>
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Major Queries/Questions Answered in the Report?

1. **What is IV Cannula Manufacturing industry?**

2. **How has the IV Cannula Manufacturing industry performed so far and how will it perform in the coming years?**

3. **What is the Project Feasibility of IV Cannula Manufacturing Plant?**

4. **What are the requirements of Working Capital for setting up IV Cannula Manufacturing plant?**
5. What is the structure of the IV Cannula Manufacturing Core Business and who are the key/major players?

6. What is the total project cost for setting up IV Cannula Manufacturing plant?

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

8. What are the machinery and equipment requirements for setting up IV Cannula Manufacturing plant?
9. Who are the Suppliers and Manufactures of Plant & Machinery for setting up IV Cannula Manufacturing Business?

10. What are the requirements of raw material for setting up IV Cannula Manufacturing plant?

11. Who are the Suppliers and Manufactures of Raw materials for setting up IV Cannula Manufacturing Business?

12. What is the Manufacturing Process and Formulations of IV Cannula?
13. What is the total size of land required for setting up IV Cannula Manufacturing Business?

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16. What are the requirement of utilities and overheads for setting up IV Cannula Manufacturing plant?

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21. What is the Break-Even Analysis of IV Cannula Manufacturing Business?

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23. What are the Profitability Ratios of IV Cannula Manufacturing Business?

24. What is the Sensitivity Analysis-Price/Volume of IV Cannula Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of IV Cannula 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.
The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on IV Cannula” provides an insight into the IV Cannula market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of IV Cannula project. The report assesses the market sizing and growth of the Indian IV Cannula 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 Cannula sector in India along with its business prospects. Through this report we have identified IV Cannula project as a lucrative investment avenue.
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Manufacturing Business of Medical Disposables. IV Cannula. Cannula Manufacturing System

See more

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And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- Good Present/Future Demand
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- Raw Material & Manpower Availability
- Project Costs and Payback Period

The detailed project report covers all aspects 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.

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106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.
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Tel: +91-11-23843955, 23845654, 23845886, 8800733955
Mobile: +91-9811043595
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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
Contact us

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106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.

Email: npcs.ei@gmail.com, info@entrepreneurindia.co
Tel: +91-11-23843955, 23845654, 23845886, 8800733955
Mobile: +91-9811043595
Fax: +91-11-23845886

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