How to Start a

DISPOSABLE BLOOD LANCET AND INSULIN PEN NEEDLE

MANUFACTURING BUSINESS

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Introduction



Disposable blood lancet is a kind of medical instrument. And it's a thin needle which need to change every time. That's why we need disposable blood lancet to avoid blood spreading when blood test and it is used for diabetes testing do. Some people also called it insulin pen needle.

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<u>Disposables Industry</u>





They are typically made of lighter-weight materials than standard needles, reducing hand fatigue when injecting patients for long periods of time. They also have removable tops that keep them clean after each usage.

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Insulin pen needles are typically sold in packs that include both sterile disposable and non-sterile reusable units. Non-reusable needle tips may have longer taper (as with traditional syringe and needle combinations) or straight tips (as with conventional syringe and needle combinations) (like needles for making injections).



After each usage, both reusable and non-reusable types should be carefully disposed of so that others are not pricked by them and illness is not spread by improper reuse.

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Uses of Disposable Blood Lancet and Insulin Pen Needle



Disposable lancets are used to prick a finger in order to test blood glucose levels, or for blood donation. They have small cylindrical steel-capped sharp points designed to puncture thin skin with minimal pain.

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Lancets allow capillary action in order to collect a sufficient amount of blood. A disposable insulin pen needle is intended to be attached at one end to an insulin pen device as part of its mechanism, while being capped on its other end where it is then typically discarded after use.





It has a cannula that allows it to be connected directly into an insulin pen (or syringe), which is used by people with diabetes as part of their treatment plan for managing their condition. After application on site, both disposable blood lancets and disposable insulin pen needles can be discarded immediately after use.





Safety disposal of these items is necessary to prevent any possibility of contamination and cross-contamination risk. In addition, proper storage containers help prolong product shelf life, making them safe enough to use when needed again later.

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Disposable blood lancet is made from stainless steel, there are 5 steps to manufacture it. The raw material of Disposable blood lancet is cold rolled strip which contains chemicals such as nickel and chrome. It need to be purified by activating through heating treatment for removing impurities.





By annealing process, it will become stable and obtain good physical properties. Afterward, grinding and polishing processes are used to get required dimension. And then machines controlled by CNC milling machine will produce them into round shape with desired length.





Etching treatment should be carried out during surface oxidation process. X ray detection system can make sure its quality. For example, it can inspect whether micro needle was produced successfully or not. Usually about 10-20% of needles are rejected in production line due to unqualified end product quality control inspection.

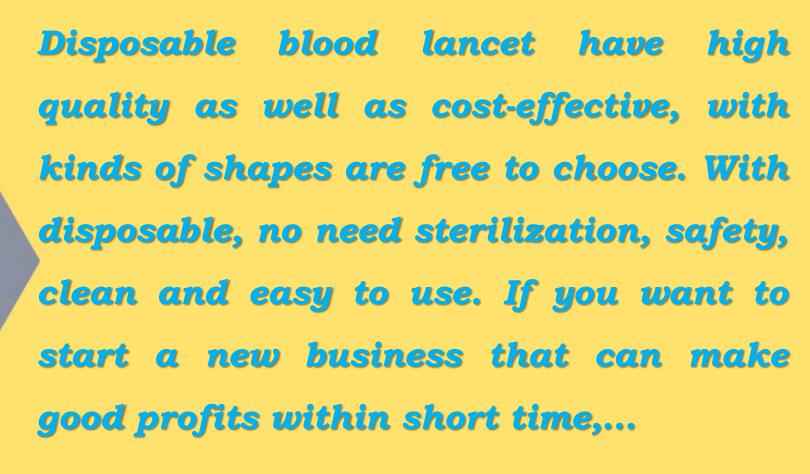




This step has high cost but very important in Disposable Blood Lancet manufacturing process because your customers don't want accept any failure products while they use them in hospitals or other medical facilities. Finally, Disposable Blood Lancet reaches packaging phase where workers put labels on every container before sending them to warehouse.

Benefits of Starting this Business Cope







...you should consider invest your money into Disposable Blood Lancet production line! Then you will be surrounded by rich profits soon enough. There is an ever increasing need for blood lancets in both local and foreign markets, due to increased population growth. There is also a high demand of disposable insulin pen needles. Hence, you can earn profits by investing in manufacturing operations of these products.



Disposable Blood Lancet and Insulin Pen Needle is an FDA approved product that has been very well received by doctors, nurses, diabetes patients, patients with high blood pressure, those suffering from cholesterol problems etc. who are using or have used for their treatment. This is a growing segment of healthcare products making it big in market due to increasing health concerns worldwide.



Market Demand



There is increasing demand Disposable Blood Lancet and Insulin Pen Needle especially in hospitals, clinics and medical stores. This product is highly demanded by doctors as it helps prevent transmission of blood borne diseases to patients as well as staff working in these places. Also, it can prevent infection from entering your body through needle pricks.





There are many manufacturing companies that have already started producing disposable blood lancets and insulin pen needles but there are always scope for more companies to enter into such business areas. Many small scale industries are coming up which manufactures disposable blood lancets and insulin pen needles at low prices which provides them wide opportunity to market their products.



These types of devices are used almost daily in diabetes clinics, laboratories and other healthcare settings where they help people obtain sterile blood samples on a regular basis. These devices come with safe-use instruction manuals so you will not face any major health issues when using it on yourself or others. It is easy to use and require simple technique for its operation. The hospitals and clinics classification is expected to display the fastest market growth, at a CAGR of 10.0%, during the forecast period.



This is ascribed to the increasing number of such healthcare establishments around the world, where the pool of patients suffering from chronic diseases is also constantly expanding, thereby resulting in a high procurement rate of lancets.

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





- 5. What is the structure of the Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business and who are the key/major players?
- 6. What is the total project cost for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business?
- 7. What are the operating costs for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 8. What are the machinery and equipment requirements for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?





- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 10. What are the requirements of raw material for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business?
- 12. What is the Manufacturing Process of Disposable Blood Lancet and Insulin Pen Needle?





- 13. What is the total size of land required for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 14. What will be the income and expenditures for Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business?
- 15. What are the Projected Balance Sheets of Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 16. What are the requirement of utilities and overheads for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 17. What is the Built up Area Requirement and cost for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business?





- 18. What are the Personnel (Manpower) Requirements for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business?
- 19. What are Statistics of Import & Export for Disposable Blood Lancet and Insulin Pen Needle?
- 20. What is the time required to break-even of Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business?
- 21. What is the Break-Even Analysis of Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 22. What are the Project financials of Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business?





- 23. What are the Profitability Ratios of Disposable Blood Lancet and Insulin Pen Needle Manufacturing Project?
- 24. What is the Sensitivity Analysis-Price/Volume of Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 25. What are the Projected Pay-Back Period and IRR of Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 26. What is the Process Flow Sheet Diagram of Disposable Blood Lancet and Insulin Pen Needle Manufacturing project?





- 27. What are the Market Opportunities for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing plant?
- 28. What is the Market Study and Assessment for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business?
- 29. What is the Plant Layout for setting up Disposable Blood Lancet and Insulin Pen Needle Manufacturing Business?







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> Introduction



- Project Introduction
- Project Objective and Strategy
- Concise History of the Product
- Properties
- BIS (Bureau of Indian Standards) Provision & Specification
- Uses & Applications

> Indian Market Study and Assessment

- Current Indian Market Scenario
- Present Market Demand and Supply
- Estimated Future Market Demand and Forecast
- Statistics of Import & Export
- Names & Addresses of Existing Units (Present Players)
- Market Opportunity



> Raw Material

- List of Raw Materials
- Properties of Raw Materials
- Prescribed Quality of Raw Materials
- List of Suppliers and Manufacturers

> Personnel (Manpower) Requirements

Requirement of Staff & Labor (Skilled and Unskilled) Managerial,
 Technical, Office Staff and Marketing Personnel



> Plant and Machinery

- List of Plant & Machinery
- Miscellaneous Items
- Appliances & Equipments
- Laboratory Equipments & Accessories
- Electrification
- Electric Load & Water
- Maintenance Cost
- Sources of Plant & Machinery (Suppliers and Manufacturers)

> Manufacturing Process and Formulations

- Process of Manufacture with Formulation
- Packaging Required
- Process Flow Sheet Diagram



> Infrastructure and Utilities

- Project Location
- Requirement of Land Area
- Rates of the Land
- Built Up Area
- Construction Schedule
- Plant Layout and Requirement of Utilities





Project Financials

Annexure

Project at a Glance

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 - **Consumable Store**





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Equity Capital Preference Share Capital





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- Expenses/Cost of Products/Services/Items
- Gross Profit
- Financial Charges
- Total Cost of Sales
- Net Profit After Taxes
- Net Cash Accruals





• Annexure 3 :: Assessment of Working Capital requirements

Current Assets
Gross Working Capital
Current Liabilities

Net Working Capital

Working Note for Calculation of Work-in-process

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- Annexure 5 :: Projected Balance Sheets
- ROI (Average of Fixed Assets)
- RONW (Average of Share Capital)
- ROI (Average of Total Assets)
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- D.S.C.R
- Earnings Per Share (EPS)
- Debt Equity Ratio





• Annexure 7 :: Break-Even Analysis

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- Semi-Variable/Semi-Fixed Expenses
- Profit Volume Ratio (PVR)
- Fixed Expenses / Cost
- B.E.P





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- Resultant D.S.C.R
- Resultant PV Ratio
- Resultant DER
- Resultant ROI
- Resultant BEP





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- Preference Share Capital
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- Net Usable Load/Capacity of Products/Services/Items
- Expected Sales/ Revenue/ Income of Products/ Services/ Items





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- ✓ 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 anticipate the industry performance and make sound business decisions











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- Foreign Investors
- Non-profit Organizations, NBFC's
- Educational Institutions
- Embassies & Consulates
- Consultancies
- Industry / trade associations



Our Approach



Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation



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- Activated Carbon & Activated Charcoal
- Aluminium And Aluminium Extrusion Profiles & Sections,
- o Bio-fertilizers And Biotechnology
- Breakfast Snacks And Cereal Food
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- Confectionery, Bakery/Baking And Other Food
- Cereal Processing
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- Cold Storage For Fruits & Vegetables
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- Copper & Copper Based Projects



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- Fast Moving Consumer Goods
- o Food, Bakery, Agro Processing
- Fruits & Vegetables Processing
- Ferro Alloys Based Projects
- Fertilizers & Biofertilizers
- Ginger & Ginger Based Projects
- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
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- Hospital Based Projects
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- Inks, Stationery And Export Industries
- Infrastructure Projects
- Jute & Jute Based Products



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- Leisure & Entertainment Based Projects
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- Minerals And Minerals
- Maize Processing(Wet Milling) & Maize Based Projects
- Medical Plastics, Disposables Plastic Syringe, Blood Bags
- o Organic Farming, Neem Products Etc.
- o Paints, Pigments, Varnish & Lacquer
- Paper And Paper Board, Paper Recycling Projects
- o Printing Inks
- Packaging Based Projects
- o Perfumes, Cosmetics And Flavours
- Power Generation Based Projects & Renewable Energy Based
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- Pharmaceuticals And Drugs
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- o Plastic, PVC, PET, HDPE, LDPE Etc.



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- Soaps And Detergents
- Stationary Products
- Spices And Snacks Food
- Steel & Steel Products
- Textile Auxiliary And Chemicals
- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry(Packaged Drinking Water & Mineral Water)
- Wire & Cable



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
- 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

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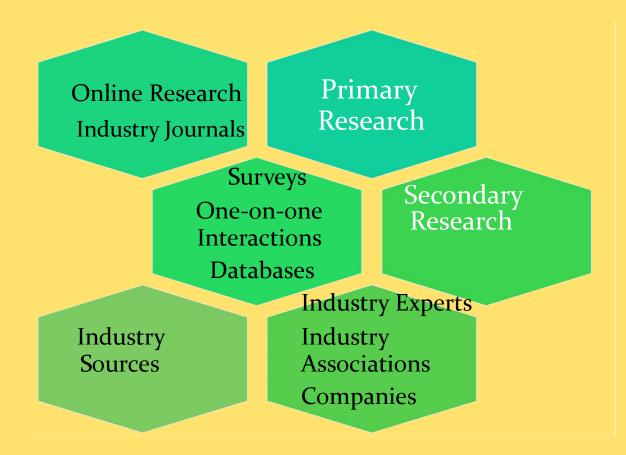
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