

The Complete Book on Production of Automobile Components & Allied Products

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The Complete Book on Production of Automobile Components & Allied Products

(Engine Parts, Piston, Pin, Piston Ring, Valve, Control Cable, Engine Mounting, Auto Lock, Disc Brake, Drum, Gear, Leaf Spring, Shock Absorber, Silencer, Chain, Cylinder Block, Chassis, Battery, Tyre & Flaps)

The rapid urbanization, coupled with an overwhelming growth in the middle class population, has created a market that is extremely conducive for the automobile industry to flourish. It is inferred from the demand, the investment in the automobile industry is estimated at over hundredths of billions in the vehicles and auto components segment. The auto market is thought to be made primarily of automakers, but auto parts makes up another lucrative sector of the market. The major areas of auto parts manufacturing are: Original Equipment Manufacturers (OEMs) - The big auto manufacturers do produce some of their own parts, but they can't produce every part and component that goes into a new vehicle; Replacement Parts Production and Distribution - These are the parts that are replaced after the purchase of a vehicle.

The book provides a characterization of vehicles, including structure, load, fuel used, requirement of various components, fabrication and so on. It will prove to be a layman's guide and is highly recommended to entrepreneurs, existing units who wants to diversify in production of automobile and allied products, research centers, professionals and libraries, as it contains information related to manufacturing of integral parts of an automobile and practices followed in the finishing of the products.

The topics covered in the book are: Classification of vehicles on the basis of load, fuel used and their parts; Material used in the manufacturing of automobile (Metals, Alloys, Polymers etc.); Technology used; Use of Aluminium in Automobiles; Use of Plastics in Automobiles; Manufacturing practices for Engine Parts(Auto Piston, Pins, Piston ring, Lead Storage Battery, Valve & Valve Seat, Automobile Silencer, Automobile Chain, Cylinder Block, Automobile Control Cable, Engine Mounting PAD, Auto Locks etc.); Manufacturing of Automobile Chassis, Disc Brake, Brake Drum, Gear, Gear Blank, Leaf Spring, Shock Absorbers, Automobile Tyres; Heat Treatment System for Automobile Parts; Forging Technology (Open Die Forging Process, Close Die Forging Process, Designing of forged parts) and Painting Technology(Conversion Coating, NAD Finishes, Aluminium Flake Orientation, Opacity, Gloss, Electro Powder Coating, Spot Repair, Electrostatic Spray etc.) for automobile parts; Scab Corrosion Test, Peel Resistance.

Contents

1. INTRODUCTION

Classification of Vehicles

On the Basis of Load

Wheels

Fuel Used

Body

Transmission

Position of Engine

Engine in Front

Engine in the Rear Side

Layout of an Automobile Chassis

Components of the Automobile

Functions of Major Components of an Automobile

Chassis and Frame

Engine or Power Plant

Transmission System (Clutch and Gear Box)

Clutch

Final Drive

Braking System

Gear Box

Steering System

Front Axle

Suspension System

2. MATERIALS USED IN AUTOMOBILES

Introduction

Requirements of the Materials in Automotive

Lightweight

Cost

Safety, Crashworthiness

Crashworthiness Tests

Frontal Offset Crash Test Details

Side Impact Crash Testing/Ratings Criteria

Rollover Evaluations

Recycling and Life Cycle Considerations

Current Materials in Use and Their Future

Metals

Steel

New Grades of Steel and Alloys

a. Duplex Austenitic-ferritic Stainless Steel

b. Austenitic Stainless Steel

Advances in Manufacturing and Joining Technique

Aluminium

Aluminium Alloys for Body-in-white Applications

Aluminium Alloys for Brazing Sheet Applications

Magnesium

Mechanical Properties of Mg Alloys

Technical Problems and Solutions for Use of Magnesium Alloys in Automotive Industry

Plastics and Composites

Fabrication

Cost

Manufacturability

Design Data/Test Methodologies

Joining and Inspection

Renewable Materials, Barriers and Incentives in Use of Biocomposites

Thermoplastic/Thermoset Polymers

Composite Processing

3. MATERIALS AND TECHNOLOGY FOR AUTOMOBILES

Introduction

Steel Sheets

High Strength Steel Sheets

New Precipitation-hardened High Strength Hot Rolled Steel Sheet “NANO-Hiten”

New High Strength Hot Rolled Steel Sheet for Strain Aging Use “BHT”

High Strength Galvannealed Steel Sheets

(1) SFG Hiten

(2) Low Carbon Equivalent Type Hiten

High Formability Ultra-high Strength Cold Rolled steel Sheets

High Carbon Steel Sheets with High Formability

Coated Steel Sheets

Coated Steel Sheets with High Lubrication for Automotive Use

(1) Development of Inorganic Type High Lubrication Galvannealed Steel Sheets

(2) Organic Solid Lubricant Technology

(3) Summary

Hot Dip Galvanized Steel Sheet with Excellent Surface Appearance

(1) Improvement of Surface Appearance

(2) Surface Roughness Transfer Technologies and Frictional Properties

(3) Summary

Evaluation and Application Technologies for Automotive Steel Materials

Tailor Welded Blanks

Application Technologies of Hydroforming

Application Technologies for High Strength Steel Sheets in Press Forming

Application of CAD-CAE Systems

High Frequency Electrical Materials for Cars of the Future “Super-Core”

Features of JFE Steel’s Super-Core

JNEX

JNHF

Automotive Applications

Stationary Equipment

Rotating Machinery

Other Electrical Applications

Summary

Ferritic Stainless Steels for Automobile Exhaust System Parts

Steels for Mufflers

Steels for Exhaust Manifolds

Steels for Catalytic Converter Substrate

Steel Tubes

HISTORY Tube

High Formability ERW Tubes for Automotive Use

Stainless Steel Tubes for High Temperature Service in Automotive Exhaust Systems

Bar Products for Automotive Use

Bearing Steels “NKJ”, “KUJ7”

Graphite Steel “HFC1 Steel”

BN Free Cutting Steel “CCBN Steel”

High Surface Durable Carburized Dual-phase Steel

High Toughness Microalloyed Steel for Hot Forging

Warm Compaction Method with Die Wall Lubrication for Iron Powder Metallurgy

Lightweight Composite Material for Automotive Headliner “KP Sheet”

4. USE OF ALUMINIUM IN AUTOMOBILES

Introduction
Aluminium in Automobile
Advantages
Disadvantages
Space Frame Technology
Sand Casting
Al-Si Alloys
Grain Refinement
Modification
Extrusion
Al-Si-Mg Alloys
Moment of Inertia
Heat Treatment
Solutionizing
Aging
Annealing
Exposed Loads on Chassis
Static Loads
Dynamic Loads
Fatigue
Welding
Stress Corrosion Cracking
Sand Casting
Spiral Fluidity Test
Mechanical Properties of A356.0 and Silafont - 36
Mechanical Properties Change with Heat Treatment
5. USE OF PLASTICS IN AUTOMOBILES
Technology Activities and Priorities
6. MANUFACTURING OF ENGINE PARTS
1. Manufacturing of Auto Piston
Introduction
Market Potential
Basis and Presumptions
Implementation Schedule
Preparation of Project Report
Technical Aspects
Process of Manufacture
Quality Control and Standards
Production Capacity
Pollution Control
2. Manufacturing of Pins for Automobiles
Introduction
Market Potential
Production Target (per Annum)
Basic & Presumptions
Implementation Schedule
Technical Aspects
3. Manufacturing of Piston Ring
Introduction
Market Potential
Basis and Presumptions
Implementation Schedule
Technical Aspects

Material
Manufacturing Process
Piston Ring Coatings
Quality Control
Pollution Control
Power Consumption
4. Manufacturing of Lead Storage Battery
Introduction
Market Potential
Basis & Presumptions
Implementation Schedule
Technical Aspects
I. Process of Manufacture
Process Flow Chart
II. Quality Control & Standard
III. Production Capacity (Per Annum)
IV. Motive Power Required
V. Pollution Control Requirements
VI. Energy Conservation
Lighting
Additional Information
5. Manufacturing of Valve and Valve Seat
Introduction
Methodology
Material Selection
Exhaust Valve
Criteria of Exhaust Valve
Chemical Analysis
Mechanical Properties
Physical Properties
Exhaust Valve Seat Insert
Criteria for Material Selection of Engine Valve Seat Insert
Extrusion
Process Selection
Exhaust Valve
Flow Processes
Friction Welding
Upsetting
Steps
Forging
Heat Treatment
Advantages
Steps
Stellite Deposition
Advantages
Head Diameter Facing
Groove CNC Turning
Tip Hardening
Advantages
Neck Profile Turning
Seat Grinding
Surface Finishing
Advantages

Alternative Process
Alternative Process
Exhaust Valve Seat Insert
Flow Processes
Investment Casting
Steps
Surface Finishing
Steps
Wear Resistance Treatment
Ferritic Nitrocarborizing
Advantage
Steps

6. Manufacturing of Automobile Silencer

Introduction
Market Potential
Basis and Presumptions
Implementation Schedule
Technical Aspects
Process of Manufacture
Quality Control and Standards
Pollution Control
Energy Conservation

7. Manufacturing of Automobile Chain

Introduction
Market Potential
Basis and Presumptions
Implementation Schedule
Technical Aspects
Process of Manufacture
Quality Control and Standards
Production Capacity (per annum)
Pollution Control
Energy Conservation

8. Manufacturing of Cylinder Block

Introduction
Description of the Product
What is an Engine Block?
Functional Requirements of a Cylinder Block
Required Material Properties
Metals Used in the Manufacture of the Cylinder Blocks
Manufacturing the Cylinder Block
Mechanical Properties of the Alloys
Gray Cast Iron Alloys
Compacted Graphite Cast Iron
Aluminium Alloys
Magnesium Alloys
Casting Processes
Green Sand Molding
Lost Foam Casting
Market Potential
Basis and Presumption
Implementation Schedule
Technical Aspect

Manufacturing Process
 Alternate Technology
 Production Targets
 Quality Control and Standards
 Utilities
 Energy Conservation
 Pollution Control
 9. Manufacturing of Cylinder Linear
 Introduction
 Production Capacity : 45000 Per Annum
 Market & Demand Aspects
 Manufacturing Process & Source of Technology
 Basis of Project Preparation and Technical Aspects
 Presumption
 Implementation Schedule
 Quality Control & Standards
 Pollution Control
 10. Manufacturing of Automobile Control Cable
 Introduction
 Market Potential
 Basis and Presumptions
 Technical Aspects
 Process of Manufacture
 Implementation Schedule
 Process Flow Chart
 Quality Control and Standards
 Motive Power
 Pollution Control
 11. Manufacturing of Engine Mounting PAD
 Introduction
 Market Potential
 Basis and Presumptions
 Implementation Schedule
 Technical Aspects
 Process of Manufacture
 12. Manufacturing of Auto Locks
 Project Profile on Casting for Auto Locks
 Part - II
 Introduction
 Market Potential
 Basis & Presumptions
 Implementation Schedule
 Technical Aspects
 Process of Manufacture
 Quality Control and Standards
 Pollution Control
 Energy Conservation
 7. MANUFACTURING OF AUTOMOBILE CHASSIS
 1. Manufacturing of automobile Body
 Automobile Body Manufacturing Processes
 BIW Manufacturing Processes
 Blanking and Stamping Processes
 Subassembly Processes and Major subassemblies of a BIW

Body Framing Process
Door Manufacturing Processes
Rolling and Blanking Processes
Stamping Process
Door Hanging and Fitting Process
Door Hanging Process
Door Fitting
Market Potential
Basis and Presumptions
Implementation Schedule
Technical Aspects
Process of Manufacture
Pollution Control
Energy Conservation
2. Manufacturing of Disc Brake
Introduction
Grey Cast Iron as Material for Production of Disc Brake
Aluminium as the Material for the Holder
Manufacturing Process of DISC Brake and Holder
Cold Chamber
Hot Chamber
Heat Treatment for Holder
i. Cooling Rate
ii. Shrinkage
a. Volumetric Shrinkage
b. Linear Shrinkage
Finishing Process
Driving the Lathe
Holding and Rotating the Work
Holding, Moving and Guiding the Cutting Tool
For Disc Brake
For the Holder
Methodology
Summary
3. Manufacturing of Brake Drum
Introduction
Market Potential
Basis and Presumptions
Implementation Schedule
Technical Aspects
Process of Manufacture
Quality Control and Standards
Production Capacity (per annum)
Pollution Control
4. Manufacturing of Gear Blank
Introduction
Market and Demand Aspects
Raw Materials
Manufacturing Process
The Process of Flow Chart
5. Manufacturing of Gear
Introduction
Materials Used in Gear Manufacturing Process

Classification of Gears

1. Milling Process
2. Gear Planning Process
3. Gear Shapers
4. Gear Hobbing
5. Bevel Gear Generating

Gear Manufacture by Casting Method

Methods of Forming Gears

Roll Forming

Stamping

Powder Metallurgy

Extrusion

Gear Generating Process

Gear Hobbing

Type of Hobbing

Arial Hobbing

Radial Hobbing

Tangential Hobbing

Gear Shaping (The Fellows Process)

Rack - Type Cutter Generating Process

Pinion Type Cutter Generating Process

Advantages

Disadvantages

Gear Cutting by Milling

Disc Type Cutter

End Mill Cutter

Advantage

Used

Bevel Gear Generating

Straight Bevel - Gear Generator

Spiral Bevel - Gear Generator

Gleason Method

Templet Gear Cutting Process

Gear Finishing Process

Gear Shaving

Gear Grindings

Disadvantage

Gear Lopping

Shot Blasting

Phosphate Coating

Gear Planning

The Sunderland Process

The Maag Process

Principal of Gear Planning

6. Manufacturing of Gear Box Housing

Introduction

Market Potential

Basis & Presumptions

Implementation Schedule

Technical Aspects

a. Production Details and Process of Manufacturing

b. Quality Control & Standards

Process Flow Graphic Representation

- Pollution Control
- Energy Conservation
- 7. Manufacturing Process of Leaf Spring
 - Introduction
 - History of Leaf Spring
 - Construction of Leaf Spring
 - Standard Size of Automobile Suspension Spring
 - Material Used in Leaf Spring
 - Basic Characteristics of Spring Materials
 - Mechanical Properties of Leaf Spring
 - Manufacturing of Leaf Spring
 - Shearing
 - Main Eye Rolling
 - Tapering
 - Drilling
 - Hardening
 - Tempering
 - Hardness Test
 - Shot Peening
 - Market Potential
 - Implementation Schedule
 - Technical Aspects
 - A. Production Details and Process of Manufacture
 - B. Quality Specification
 - Process Flow Chart
 - Pollution Control Measures
 - Energy Conservation
- 8. Manufacturing Process of Shock Absorbers
 - Historical Development of Shock Absorbers
 - Adoption of Hydraulic Telescopic Dampers
 - Non-pressurised Twin Tube Telescopic Hydraulic Dampers
 - Gas Charged Shock Absorbers
 - i. Mono-tube Shock Absorbers
 - ii. Twin Tube Pressurised Shock Absorbers
 - Spring Assisted Dampers
 - Structure of Industry, Ownership Pattern & Installed Capacity
 - Geographical Distribution of Shock Absorber Manufacturers
 - Raw Materials, Semi-finished Components Used & Their Sources of Supply
 - Major Imports of Raw-materials to Sustain Indigenous Production
 - Manufacturing Processes & Machines Generally Used
- 9. Manufacturing Process of Automobiles Tyres
 - Tyre - Modern Vehicle Design Elements
 - Front-wheel Drive
 - Powerful Brakes
 - Power Steering
 - 'Hot Hatches'
 - Diesel Engines
 - How to Make a Tyre
 - Raw Material Tyre Components
 - Chemicals
 - Textiles
 - Components
 - Natural Rubber

Steel
Tyre Construction
The Compound
Primary Processing
Extruding
Coating
Calendering
Stages in Building a Tyre
Stage 1 - Flat Forming
Stage 2 - Shaping
Stage 3 - Moulding the Tyre
Stage 4 - Finishing and Inspection
Tyre Trouble
Problems Caused by Under Inflation
The Dangers of Overloading
The Effects of High Speed Travel
Tyre Technology
Striking the Balance
Better Performance
Correct Tyre Fitment
Fitting the Right Tyre
Specifically for Taxi Tyres
Dunlop Taxi Tyres
Dunlop's Classic Tyre Range
How to Fit Tyres Correctly
Specialist Wheel Types
Valves
Tubes
4 x 4 Tyres
Fitment of Radial Winter Tyres
Retread Tyres
Sidewall Markings
The Meaning of Sidewall Markings
Tyre Construction
Major Components
Cross (Bias) - and Radial-ply Tyre Features
Characteristics
Ride Comfort
Acceleration and Braking
Cornering
Tyre Life
Fuel Consumption
Initial Cost
Tyre Material
Natural and Synthetic Rubbers
Natural Rubber (NR)
Chloroprene (Neoprene) Rubber (CR)
Styrene-butadiene Rubber (SBR)
Polysoprene Rubber (IR)
Ethylene Propylene Rubber (EPR)
Polybutadiene Rubber (BR)
Isobutene-isoprene (Butyl) Rubber (IIR)
Tyre Tread

Tread Bite
Tread Drainage Grooves
Tread Ribs
Tread Blocks
Tread Slits or Sips
Selection of Tread Patterns
Normal Car Tyres
Wet Weather Car Tyres
Truck Tyres
Off on Road Vehicles
Tyre Profile and Aspect Ratio
Tyre Manufacturing
Tyre Sizes and Designations
Construction Type
Speed Marking of Tyres
Size
Casing Profile
Related Topics
Nanotechnology in Automotive Tyres
The Drivers for Better Tyres
What Nano-enabled Functionalities can Offer
Impact
Economic/Industry
Impact on European Citizen
Challenges
Environment, Health & Safety
Transport: Nanotechnology in Automotive Tyres
EU Competitive Position
Summary
10. Manufacturing of Auto Tubes and Flaps
Introduction
Market Potential
Basis and Presumptions
Implementation Schedule
Technical Aspects
Process of Manufacture
8. HEAT TREATMENTS OF AUTOMOBILES
Introduction
Materials Used in Autovehicles
Bake Hardening Steel Sheets
High Tensile Strength Steel Sheets
Corrosion Resistant Coated Steel Sheets
Constructional Steels
Case Hardening Steels
Heat Resistant Steels
Powder Metallurgy Products
Non-ferrous Alloy Powder Metallurgy Products
Copper Alloys
Aluminium Alloys
Magnesium Alloys
Titanium Alloys
Composite Materials
Plastics and Rubber

Glass and Ceramics
Heat Treatment
Types of Heat Treatment
Processing Technology in Heat Treatment
Carburizing and Carbonitriding
Nitro-carburizing
Induction Hardening
Powder Metallurgy and Sintering
Key Issue in Heat Treatment: Atmosphere Control
Carbon Potential Control
Gas Carburizing Processes
Reduced Pressure Carburizing (Vacuum Carburizing)
High Pressure Gas Quenching
Carbonitriding
Low Temperature Nitrocarburizing and Oxy-nitro-carburizing
Surface Modification and Hybrid Heat Treatment
Solid Lubricant Coatings
Emerging Technologies in Materials, Heat Treatment and Surface Engineering
Materials
Carburizing and Carbonitriding
New Nitriding Methods for Aluminium
Nitriding of Stainless and Maraging Steels
Furnaces for Heat Treatment of Fasteners and Automobile Parts
Specifications of the Line
Washing Machine
Hardening Furnace
Quenching Tank
Continuous Hot Blast Tempering Furnace
Double Layer Dyeing Tank
Capacity of the Main Furnace
Crucible Type Annealing Furnaces
Application
Features
Specifications of the Bell Type Furnace
Features
Capacity of the Quenching Tank
Capacity of the Continuous Hot Blast Tempering Furnace
Capacity of the Dyeing Tank
9. FORGING TECHNOLOGY OF AUTOMOBILE
PARTS
Introduction
Features of Forgings Peculiar to Automobile
Types of Forging Processes
Open Die Forging Process
Close Die Forging Process
Steps for the Design of Forged Part
Parting Line
Draft Angles
Fillet and Corner Radii
Machining Allowances
Forging Tolerances
Shapes for Forging
Die Design Parameters

Flash Land and Flash Gutter Design
Trimming Die Design
Hot Coining Die Design
Forging Equipments
10. PAINTING TECHNOLOGY OF AUTOMOBILES
Introduction
Spray Priming System
Dip Priming System
Electropriming System
Performance
Pretreatment
Rust Removal
Alkali Degrease
Metal Phosphate (Conversion Coating)
Pretreatment as a Corrosion Inhibitor: Mechanism
Priming
Spray Priming
Dip Priming
Products
Pigmentation
Process
Electropainting
Anodic Electrocoat
Resin Systems
Pigmentation
Practical Considerations
Basic Plant Requirements
Control Methods
Deficiencies of Anodic Electrocoat Primers
Cathodic Electrocoat
Resin System
Pigmentation
Colour
Mechanism of Deposition
Performance Characteristics
Plant Requirements
Dip Rinsing
Ultrafiltration
Control Method
Pretreatment
General Appraisal and Current Developments
Surfacers
Background
Introduction
Product Types and Formulation
Resins Systems
Alkyds
Epoxy Esters
Polyesters
Epoxies: Film Modifiers
Crosslinking Resins
Pigmentation
Prime Pigments

Extenders
Polyurethane-modified polyester surfacer (including 'colour keyed' products)
Summary of Basic Parameters
Film Properties (Stoved Film)
Anti-chip Coatings
Background and Resin Types
Pigmentation
Inverted or Reverse Process
Electro Powder Coating (EPC)
Automotive Topcoats
Alkyd or Polyester Finishes
Basic Chemistry
General Properties
Thermosetting Acrylic/NAD Finishes
Basic Chemistry
General Properties
Metallic Appearance
'Sagging'
'Solvent-popping' Resistance
Thermoplastic Acrylic Lacquers
Basic Chemistry
General Properties
Basecoat/clear Technology
Solvent-borne
Basic Chemistry
Application/Process
Colour/Pigmentation
Aluminium Flake Orientation
Undercoats
Performance/Durability
Water-borne
Processing
Characteristics
Pigmentation of Automotive Topcoats
Solid Colours
Durability
Opacity/Gloss
Cost
Bleed
Metamerism
Use of Lead Chromate Pigments
'Single Coat' Metallics
Durability
Opacity/Gloss
Cost
Colour Matching
Choice of Aluminium Flake
Basecoat/Clear Metallics
Opacity
Cost
Colour Matching/Durability
Choice of Aluminium Flake
In-factory Repairs

Thermosetting Finishes (Panel Repairs)
Thermoplastic Acrylic Lacquers (Spot Repair)
Painting of Plastic Body Components
Sheet Moulded Compound (SMC) and Dough Moulded Compound (DMC)
Polyurethane: PU RIM and PU RRIM
Injection Moulded Plastics
Painting Problems
Adhesion
Heat Distortion
Surface Texture
Solvent Sensitivity
Degradation of Mechanical Properties
Paint Processes and Products
On-line
Off-line
'Part-way' Down Paint Line
Spray Application
Air Spray
Spray Losses
Automatic Spray
Low-pressure Hot Spray
Airless Spray
Electrostatic Spray
Electrostatic Spray—Metallic Appearance
Resistivity
'Interior' Application (Electrostatic Spray)
Electrostatic Application of Water-Borne Automotive Coatings
General Plant Design Features
Paint Circulating System for Electrical Insulation
Externally Charged Atomizers
Application Efficiency—Practical Considerations and Processes
Modern Spraybooth Design—Ventilation Modes
Preconditioning the Air
Concentrators
Process Details: Typical Application Parameters—Turbo Bells
Stoving Procedures
Oven Technology
Design Considerations of Convection Ovens
Oven Configuration
Oven Ventilation
Oven Heating
Fresh Air Requirements
Fuel Available/Heating Method
Fume and Odour Emission
Thermal Incineration
Catalytic Combustion
Future Stoving Developments
Performance/Testing
Appearance
Performance
Physical Properties
Chemical Resistance
Test Procedures

Cure (Test for Crosslinking Products)
Sandability (Surfacers)
Adhesion: Crosshatch Test (1.5mm or 2.0mm template)
Hardness
Stone-chip Resistance
Impact Test
Flexibility
Acid Resistance
Alkali Resistance
Acid and Alkali Resistance (Alternative Procedure)
Water Immersion (Continuous)
Humidity Resistance (Continuous)
Scab Corrosion Test
Florida Exposure (5° South)
Peel Resistance: Florida 5° South
Accelerated Weathering
Future Developments
High Solids Technology
Higher Solids Surfacers Technology
High Solids Polyester Topcoats
Higher Solids Basecoats
Ultra High Solids Coatings
Water-Borne Products
Surfacers
Basecoats
Powder Coatings and Aqueous Slurries
Aqueous Powder Slurries
Solid Colour Basecoats
Clearcoats
Pigmentation
Painting of Plastics
Electrodeposition and Spray Application

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Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. 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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