

Global Markets and Technologies for Inorganic Metal Finishing Processes

<https://marketpublishers.com/r/G12461BB6399EN.html>

Date: May 2023

Pages: 335

Price: US\$ 5,500.00 (Single User License)

ID: G12461BB6399EN

Abstracts

Report Scope:

This report analyzes the market by type of coatings, end-use industry, regional markets, and other aspects of inorganic metal finishing. Furthermore, we also provide new opportunities and challenges for emerging and developed countries in the global market.

Metal finishing includes many operations, including surface preparation, surface pretreatment and coating. The coating process may be organic, inorganic or hybrid. This report emphasizes inorganic metal coating technologies, relevant strategies and products, and their respective global and regional markets.

The report is prepared in a simple, easy-to-understand format; tables and figures are included to illustrate historical, current and future market scenarios. The report also covers leading companies with information on product types, business footprint, revenue, employee strength, etc. We have also included a list of other companies in the global and regional markets with their product-related information. The report also covers recent patents in the inorganic metal finishing market, which represents a significant investment area for investors.

The report discusses the impact of COVID-19 and the Russia-Ukraine war on the global and regional markets. Furthermore, the information also includes the impact of market dynamics for the short term and long term based on their relevancy and impact.

For market values, 2021 is considered the historic/base year, 2022 is an estimated year, and the market values are forecast through 2027. All market values are expressed

in terms of millions of U.S. dollars.

Report Includes:

67 data tables and 29 additional tables

An up-to-date overview and industry analysis of the global markets for inorganic metal finishing processes and technologies

Analyses of the global market trends, with historic market revenue (sales figures) for 2021, estimates for 2022, forecasts for 2023 and 2025, and projections of compound annual growth rates (CAGRs) through 2027

Estimation of the actual market size and revenue forecast for the global inorganic metal finishing market, and corresponding market share analysis based on technology type, type of process, subprocess, end-use industry, and region

Identification of various new products and the technologies involved in metal finishing, and analysis of various applications of inorganic metal finishing coatings and the markets for such applications in the near to mid-term

Updated information on key market drivers and opportunities, industry shifts and regulations, and other region and industry specific macroeconomic variables that will influence this market demand in the coming years (2022-2027)

Identification of the companies best positioned to meet this demand owing to or in conjunction with their proprietary technologies, product launches, and other strategic advantages

Analysis of the upcoming market opportunities in the metal finishing industry with a holistic review of value chain analysis and Porter's five forces model analysis and considering both micro- and macro environmental factors prevailing in the market

A relevant patent analysis with emphasis on emerging technologies and recently granted key patents in the global inorganic metal finishing industry

Insight into the recent industry structure, competitive aspects of each product

segments, increasing investment on research and development (R&D) activities, market growth strategies, and company revenue share analysis

Descriptive company profiles of the leading global players, including A Brite Co. Inc., Atotech (MKS), OC Oerlikon Management AG, PLATIT AG, R?sler Surface Technology GmbH, Praxair S.T. Technology Inc. (Linde), Pioneer Metal Finishing

Contents

CHAPTER 1 INTRODUCTION

Introduction
Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
What's New in This Update?
Information Sources
Research Methodology
Geographic Breakdown
Analyst's Credentials
BCC Custom Research
Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

CHAPTER 3 MARKET OVERVIEW

Current Market Overview
Metal Finishing Concept
Importance of the Industry
Life Cycle Assessment of Metal Finishing System
Life Cycle Cost
Technology Life Cycle
History of Metal Finishing Processes
Electroplating
Brass Plating
Precious Metal Plating
Anodizing
Etching
Metal Cladding
Enamel Coating
Physical Vapor Deposition/Sputtering
Emerging Methods for the Surface Treatment of Metals
Process-integrated Automated Plating
Aluminum Plating from Organic Electrolytes
Environmental Issues and Government Regulations

Water
Energy
Common Wastes from Metal Finishing Operations
Regulatory Overview
Overview of Federal Regulations of Metal Finishing
Effluent Guidelines and Standards for Metal Finishing
Regulations
Value Chain Analysis of the Surface Finishing Industry
Porter's Five Forces Model
Supplier Power
Buyer Power
The Threat of New Entrants
Threat of Substitutes
Competitive Rivalry
Impact of the Russia-Ukraine War on the Global Metal Finishing Industry
Industry Expert Insights

CHAPTER 4 MARKET DYNAMICS

Introduction
Market Growth Drivers
Market Restraints
Current Market Trends
Market Opportunities
Market Dynamics Impact Analysis

CHAPTER 5 MARKET BREAKDOWN BY TYPE

Overview
Surface Coatings
Organic Coatings
Inorganic Coatings
Global Market for Inorganic Finishing Technologies, by Type
Plating and Finishing Processes
Surface Preparation
Global Market for Surface Preparation/Cleaning, by Type of Process
Solvent Cleaning
Aqueous Cleaning
Electrocleaning

Abrasive Blasting
Other Cleaning Processes
Global Market for Surface Pretreatment, by Type of Process
Mechanical Pretreatment Processes
Chemical Pretreatment Processes
Electrolytic and Chemical Polishing Pretreatment for Aluminum
Electropolishing Pretreatment
Plasma-Electrolytic Polishing Pretreatment
Global Market for Plating and Finishing Subprocesses
Electroplating
Global Market for Electroplating, by Subprocess
Copper and Copper Alloy Plating
Brass Electroplating
Bronze Electroplating
Nickel Electroplating
Nickel-Chromium Electroplating
Chromium Electroplating
Zinc Plating
Zinc and Zinc Alloy Plating
Cadmium Plating
Tin Plating
Precious Metal Plating
Palladium and Alloy Plating
Rhodium Plating
Ruthenium Plating
Platinum Plating
Global Market for Electroless Plating, by Subprocess
Electroless Copper Plating
Electroless Nickel Plating
Vapor Deposition
Global Market for Vapor Deposition Coating, by Subprocess
Physical Vapor Deposition (PVD)
Chemical Vapor Deposition
Conversion Coatings
Metal Cladding
Thermal Spraying/Metalizing
Global Market for Thermal Spray Coating, by Subprocess
Combustion Torch/Flame Spraying
Combustion Torch/HVOF Thermal Spraying

Combustion Torch/Detonation Gun
Electric Arc Spraying
Plasma Spraying

CHAPTER 6 MARKET BREAKDOWN BY END-USE INDUSTRY

Overview
Automotive
Vehicle Parts Reconditioning with Blast Machining
Aerospace
Importance of Metal Plating in Aerospace
Electrical and Electronics
Nickel Electroplating in Electronics
Building and Construction
Heavy Machinery and Equipment
Others
Jewelry
Medical
Appliances
Oil and Gas
Power Generation
Food and Beverages
Textile Industry

CHAPTER 7 MARKET BREAKDOWN BY REGION

Overview
North America
U.S.
Canada
Mexico
Europe
Germany
Italy
France
U.K.
Spain
Russia
Poland

Rest of Europe
Asia-Pacific
China
Japan
South Korea
India
Rest of Asia-Pacific
Rest of the World
South America
Middle East and Africa (MEA)

CHAPTER 8 PATENT ANALYSIS

Overview
Recently Granted Key Patents

CHAPTER 9 COMPETITIVE LANDSCAPE

Overview
Public vs. Private Players Analysis
Top Players in the Global Market for Inorganic Finishing Technologies
New Technological Strategies
Research and Development

CHAPTER 10 COMPANY PROFILES

Introduction
A BRITE CO. INC.
A.E. AUBIN CO.
ABAKAN INC.
ADF SYSTEMS
ADVANCED CHEMICAL CO. INC.
ANGSTROM ENGINEERING INC.
ATOTECH (MKS)
GUYSON INTERNATIONAL LTD.
HUBBARD-HALL INC.
INTERNATIONAL PLATING TECHNOLOGY LLC
LINCOLN INDUSTRIES
MASS FINISHING INC.

MCALPIN INDUSTRIES
OC OERLIKON MANAGEMENT AG
PIONEER METAL FINISHING
PURPLE POWER INC.
ROSLER OBERFLACHENTECHNIK GMBH
SECOA METAL FINISHING LLC
SHARRETTS PLATING CO. INC.
Other Players
Organizations and Societies for Metal Finishing

CHAPTER 11 APPENDIX: ACRONYMS

List Of Tables

LIST OF TABLES

Summary Table: Global Market for Inorganic Metal Finishing, by Region, Through 2027

Table 1: Overview of Wastes Generated from Surface Preparation Processes

Table 2: Overview of Wastes Generated from Surface Finishing Processes

Table 3: Overview of U.S. Federal Regulations of the Metal Finishing Industry

Table 4: Market Dynamics Impact Analysis

Table 5: Global Market for Inorganic Metal Finishing, by Type, Through 2027

Table 6: Global Market for Surface Preparation/Cleaning, by Type of Process, Through 2027

Table 7: Global Market for Surface Pretreatment, by Type of Process, Through 2027

Table 8: Global Market for Plating and Finishing Processes, by Subprocess, Through 2027

Table 9: Global Market for Electroplating, by Subprocess, Through 2027

Table 10: Global Market for Electroless Plating, by Subprocess, Through 2027

Table 11: Comparison Among PVD, CVD and TD

Table 12: Global Market for Vapor Deposition Coating, by Subprocess, Through 2027

Table 13: Global Market for Conversion Coatings, by Subprocess, Through 2027

Table 14: Global Market for Metal Cladding, by Subprocess, Through 2027

Table 15: Global Market for Thermal Spray Coating, by Subprocess, Through 2027

Table 16: Global Market for Inorganic Metal Finishing, by End-Use Industry, Through 2027

Table 17: Global Market for Inorganic Metal Finishing, by Region, Through 2027

Table 18: North American Market for Inorganic Metal Finishing, by Country, Through 2027

Table 19: North American Market for Inorganic Metal Finishing, by Type, Through 2027

Table 20: North American Market for Plating and Finishing Processes, by Subtype, Through 2027

Table 21: North American Market for Electroplating, by Subprocess, Through 2027

Table 22: North American Market for Vapor Deposition Coating, by Subprocess, Through 2027

Table 23: North American Market for Electroless Plating, by Subprocess, Through 2027

Table 24: North American Market for Conversion Coating, by Subprocess, Through 2027

Table 25: North American Market for Metal Cladding, by Subprocess, Through 2027

Table 26: North American Market for Thermal Spray Coating, by Subprocess, Through 2027

Table 27: North American Market for Surface Pretreatment, by Type, Through 2027

Table 28: North American Market for Surface Preparation/Cleaning, by Type, Through 2027

Table 29: North American Market for Inorganic Metal Finishing, by End-Use Industry, Through 2027

Table 30: Number of Surface Finishing Companies in the U.S., by State

Table 31: Number of Surface Finishing Companies in Canada, by Province

Table 32: European Market for Inorganic Metal Finishing, by Country, Through 2027

Table 33: European Market for Inorganic Metal Finishing, by Type, Through 2027

Table 34: European Market for Plating and Finishing Processes, by Subtype, Through 2027

Table 35: European Market for Electroplating, by Subprocess, Through 2027

Table 36: European Market for Vapor Deposition Coating, by Subprocess, Through 2027

Table 37: European Market for Electroless Plating, by Subprocess, Through 2027

Table 38: European Market for Conversion Coating, by Subprocess, Through 2027

Table 39: European Market for Metal Cladding, by Subprocess, Through 2027

Table 40: European Market for Thermal Spray Coating, by Subprocess, Through 2027

Table 41: European Market for Surface Pretreatment, by Type, Through 2027

Table 42: European Market for Surface Preparation/Cleaning, by Type, Through 2027

Table 43: European Market for Inorganic Metal Finishing, by End-Use Industry, Through 2027

Table 44: Passenger Cars and Commercial Vehicle Production in Germany, 2017-2022

Table 45: Manufacturing Output and Motor Vehicle Production in France, 2017-2021

Table 46: Asia-Pacific Market for Inorganic Metal Finishing, by Country, Through 2027

Table 47: Asia-Pacific Market for Inorganic Metal Finishing, by Type, Through 2027

Table 48: Asia-Pacific Market for Plating and Finishing Processes, by Subtype, Through 2027

Table 49: Asia-Pacific Market for Electroplating, by Subprocess, Through 2027

Table 50: Asia-Pacific Market for Vapor Deposition Coating, by Subprocess, Through 2027

Table 51: Asia-Pacific Market for Electroless Plating, by Subprocess, Through 2027

Table 52: Asia-Pacific Market for Conversion Coating, by Subprocess, Through 2027

Table 53: Asia-Pacific Market for Metal Cladding, by Subprocess, Through 2027

Table 54: Asia-Pacific Market for Thermal Spray Coating, by Subprocess, Through 2027

Table 55: Asia-Pacific Market for Surface Pretreatment, by Type, Through 2027

Table 56: Asia-Pacific Market for Surface Preparation/Cleaning, by Type, Through 2027

Table 57: Asia-Pacific Market for Inorganic Metal Finishing, by End-Use Industry, Through 2027

Table 58: Rest of the World Market for Inorganic Metal Finishing, by Sub-region, Through 2027

Table 59: Rest of the World Market for Inorganic Metal Finishing, by Type, Through 2027

Table 60: Rest of the World Market for Plating and Finishing Processes, by Subtype, Through 2027

Table 61: Rest of the World Market for Electroplating, by Subprocess, Through 2027

Table 62: Rest of the World Market for Vapor Deposition Coating, by Subprocess, Through 2027

Table 63: Rest of the World Market for Electroless Plating, by Subprocess, Through 2027

Table 64: Rest of the World Market for Conversion Coating, by Subprocess, Through 2027

Table 65: Rest of the World Market for Metal Cladding, by Subprocess, Through 2027

Table 66: Rest of World Market for Thermal Spray Coating, by Subprocess, Through 2027

Table 67: Rest of the World Market for Surface Pretreatment, by Type, Through 2027

Table 68: Rest of the World Market for Surface Preparation/Cleaning, by Type, Through 2027

Table 69: Rest of the World Market for Inorganic Metal Finishing, by End-Use Industry, Through 2027

Table 70: Key Patents on Metal Finishing, by Applicant Company, 2021-2022

Table 71: A Brite Co., Inc.: Product Offerings

Table 72: A.E. Aubin Co.: Product Offerings

Table 73: Abakan Inc.: Product Offerings

Table 74: ADF Systems Ltd.: Product Offerings

Table 75: Advanced Chemical Co. (ACC): Product Offerings

Table 76: Angstrom Engineering Inc.: Product Offerings

Table 77: Atotech (MKS): Product Offerings

Table 78: Guyson International Ltd.: Product Offerings

Table 79: Hubbard-Hall Inc.: Product Offerings

Table 80: International Plating Technology LLC: Product Offerings

Table 81: Lincoln Industries: Product Offerings

Table 82: Mass Finishing Inc.: Product Offerings

Table 83: McAlpin Industries: Product Offerings

Table 84: OC Oerlikon Management AG: Product Offerings

Table 85: OC Oerlikon Management AG: Financial Overview, 2020-2022

Table 86: Pioneer Metal Finishing: Product Offerings

Table 87: Purple Power Inc.: Product Offerings

Table 88: Rosler Oberflächentechnik GmbH: Product Offerings

Table 89: Secoa Metal Finishing LLC: Product Offerings

Table 90: Sharretts Plating Co., Inc.: Product Offerings

Table 91: Suppliers of Surface Cleaning and Pretreatment Equipment and Products

Table 92: Suppliers of Electroplating, Electroless Plating and Anodizing Equipment

Table 93: Suppliers of Consumables for Inorganic Metal Finishing Processes

Table 94: Organizations and Societies Serving the Metal Finishing Field

Table 95: Acronyms Used in This Report

List Of Figures

LIST OF FIGURES

Figure A: Research Methodology Steps

Summary Figure: Global Market Shares of Inorganic Metal Finishing, by Region, 2021

Figure 1: Benefits of Metal Finishing

Figure 2: Value Chain Analysis of the Market for Inorganic Metal Finishing Technologies

Figure 3: Porter's Five Forces Model Analysis: Inorganic Metal Finishing Technologies Market

Figure 4: Industry Expert Insights for the Market for Inorganic Finishing Technologies

Figure 5: Market Growth Drivers: Inorganic Metal Finishing Industry

Figure 6: Global Market Restraints: Inorganic Metal Finishing Industry

Figure 7: Current Market Trends: Inorganic Metal Finishing Industry

Figure 8: Market Opportunities: Inorganic Metal Finishing Industry

Figure 9: Global Market Shares of Inorganic Metal Finishing, by Type, 2021

Figure 10: Global Market Shares of Inorganic Metal Finishing, by Type, 2027

Figure 11: Metal Finishing Processes

Figure 12: Sequence for Preparing Metal for Finishing

Figure 13: Parameters for Cleaning Operations

Figure 14: Type of Cleaning Process

Figure 15: Global Market Shares of Surface Preparation/Cleaning, by Type of Process, 2021

Figure 16: Global Market Shares of Surface Preparation/Cleaning, by Type of Process, 2027

Figure 17: Benefits of Ultrasonic Cleaning

Figure 18: Disadvantages of Ultrasonic Cleaning

Figure 19: Benefits of Abrasive Blasting

Figure 20: Abrasive Blasting Method for Surface Cleaning

Figure 21: Blast Cleaning Type

Figure 22: Global Market Shares of Surface Pretreatment, by Type of Process, 2021

Figure 23: Global Market Shares of Surface Pretreatment, by Type of Process, 2027

Figure 24: Type of Pretreatment Process

Figure 25: Industrial Electrolytic and Chemical Polishing Processes for Aluminum

Figure 26: Plating and Finishing Processes

Figure 27: Global Market Shares of Plating and Finishing Processes, by Subprocess, 2021

Figure 28: Global Market Shares of Plating and Finishing Processes, by Subprocess, 2027

- Figure 29: Electroplating Subprocesses
- Figure 30: Global Market Shares of Electroplating, by Subprocess, 2021
- Figure 31: Global Market Shares of Electroplating, by Subprocess, 2027
- Figure 32: Types of Copper Electroplating
- Figure 33: Applications of Copper Plating
- Figure 34: Benefits of White Bronze Plating
- Figure 35: Key Industrial Applications of Hard Chromium Plating
- Figure 36: Types of Zinc Alloys Deposited
- Figure 37: Applications of Silver Plating
- Figure 38: Benefits of Non-cyanide Silver Plating
- Figure 39: Disadvantages of Non-cyanide Silver Plating
- Figure 40: Applications of Gold Plating
- Figure 41: Gold Plating Solution Types
- Figure 42: Applications of Gold Plating in the Electronics Industry
- Figure 43: Advantages of Electroless Plating
- Figure 44: Electroless Plating Subprocesses
- Figure 45: Global Market Shares of Electroless Plating, by Subprocess, 2021
- Figure 46: Global Market Shares of Electroless Plating, by Subprocess, 2027
- Figure 47: Applications of Nickel Electroless Plating
- Figure 48: Advantages of Electroless Nickel plating
- Figure 49: Types of Electroless Nickel Plating
- Figure 50: Global Market Shares of Vapor Deposition Coating, by Subprocess, 2021
- Figure 51: Global Market Shares of Vapor Deposition Coating, by Subprocess, 2027
- Figure 52: Steps for PVD Coating
- Figure 53: Advantages of PVD Coating
- Figure 54: Disadvantages of PVD Coating
- Figure 55: PVD Coating Methods
- Figure 56: Sputtering Process Steps
- Figure 57: Advantages of Sputtering Coating
- Figure 58: Disadvantages of Sputtering Coating
- Figure 59: Applications of CVD Coating
- Figure 60: Conversion Coatings Subprocesses
- Figure 61: Global Market Shares of Conversion Coatings, by Subprocess, 2021
- Figure 62: Global Market Shares of Conversion Coatings, by Subprocess, 2027
- Figure 63: Types of Aluminum Anodizing
- Figure 64: Metal Cladding Subprocesses
- Figure 65: Global Market Shares of Metal Cladding, by Subprocess, 2021
- Figure 66: Global Market Shares of Metal Cladding, by Subprocess, 2027
- Figure 67: Steps in the Thermal Coating Process

Figure 68: Thermal Spray Coating Subprocesses

Figure 69: Global Market Shares of Thermal Spray Coating, by Subprocess, 2021

Figure 70: Global Market Shares of Thermal Spray Coating, by Subprocess, 2027

Figure 71: Global Market Shares of Inorganic Metal Finishing, by End-Use Industry, 2021

Figure 72: Global Market Shares of Inorganic Metal Finishing, by End-Use Industry, 2027

Figure 73: Applications of Nickel Electroplating in Electronics

Figure 74: Application of Electroplating for Electronics Parts

Figure 75: Global Market Shares of Inorganic Metal Finishing, by Region, 2021

Figure 76: Global Market Shares of Inorganic Metal Finishing, by Region, 2027

Figure 77: North American Market Shares of Inorganic Metal Finishing, by Country, 2021

Figure 78: North American Market Shares of Inorganic Metal Finishing, by Country, 2027

Figure 79: North American Market Shares of Inorganic Metal Finishing, by Type, 2021

Figure 80: North American Market Shares of Inorganic Metal Finishing, by Type, 2027

Figure 81: North American Market Shares of Plating and Finishing Processes, by Subtype, 2021

Figure 82: North American Market Shares of Plating and Finishing Processes, by Subtype, 2027

Figure 83: North American Market Shares of Electroplating, by Subprocess, 2021

Figure 84: North American Market Shares of Electroplating, by Subprocess, 2027

Figure 85: North American Market Shares of Vapor Deposition Coating, by Subprocess, 2021

Figure 86: North American Market Shares of Vapor Deposition Coating, by Subprocess, 2027

Figure 87: North American Market Shares of Electroless Plating, by Subprocess, 2021

Figure 88: North American Market Shares of Electroless Plating, by Subprocess, 2027

Figure 89: North American Market Shares of Conversion Coating, by Subprocess, 2021

Figure 90: North American Market Shares of Conversion Coating, by Subprocess, 2027

Figure 91: North American Market Shares of Metal Cladding, by Subprocess, 2021

Figure 92: North American Market Shares of Metal Cladding, by Subprocess, 2027

Figure 93: North American Market Shares of Thermal Spray Coating, by Subprocess, 2021

Figure 94: North American Market Shares of Thermal Spray Coating, by Subprocess, 2027

Figure 95: North American Market Shares of Surface Pretreatment, by Type, 2021

Figure 96: North American Market Shares of Surface Pretreatment, by Type, 2027

Figure 97: North American Market Shares of Surface Preparation/Cleaning, by Type, 2021

Figure 98: North American Market Shares of Surface Preparation/Cleaning, by Type, 2027

Figure 99: North American Market Shares of Inorganic Metal Finishing, by End-Use Industry, 2021

Figure 100: North American Market Shares of Inorganic Metal Finishing, by End-Use Industry, 2027

Figure 101: Shares of the U.S. Job Shop Surface Finishers, by Number of Employees, 2021

Figure 102: European Market Shares of Inorganic Metal Finishing, by Country, 2021

Figure 103: European Market Shares of Inorganic Metal Finishing, by Country, 2027

Figure 104: European Market Shares of Inorganic Metal Finishing, by Type, 2021

Figure 105: European Market Shares of Inorganic Metal Finishing, by Type, 2027

Figure 106: European Market Shares of Plating and Finishing Processes, by Subtype, 2021

Figure 107: European Market Shares of Plating and Finishing Processes, by Subtype, 2027

Figure 108: European Market Shares of Electroplating, by Subprocess, 2021

Figure 109: European Market Shares of Electroplating, by Subprocess, 2027

Figure 110: European Market Shares of Vapor Deposition Coating, by Subprocess, 2021

Figure 111: European Market Shares of Vapor Deposition Coating, by Subprocess, 2027

Figure 112: European Market Shares of Electroless Plating, by Subprocess, 2021

Figure 113: European Market Shares of Electroless Plating, by Subprocess, 2027

Figure 114: European Market Shares of Conversion Coating, by Subprocess, 2021

Figure 115: European Market Shares of Conversion Coating, by Subprocess, 2027

Figure 116: European Market Shares of Metal Cladding, by Subprocess, 2021

Figure 117: European Market Shares of Metal Cladding, by Subprocess, 2027

Figure 118: European Market Shares of Thermal Spray Coating, by Subprocess, 2021

Figure 119: European Market Shares of Thermal Spray Coating, by Subprocess, 2027

Figure 120: European Market Shares of Surface Pretreatment, by Type, 2021

Figure 121: European Market Shares of Surface Pretreatment, by Type, 2027

Figure 122: European Market Shares of Surface Preparation/Cleaning, by Type, 2021

Figure 123: European Market Shares of Surface Preparation/Cleaning, by Type, 2027

Figure 124: European Market Shares of Inorganic Metal Finishing, by End-Use Industry, 2021

Figure 125: European Market Shares of Inorganic Metal Finishing, by End-Use Industry,

2027

Figure 126: Asia-Pacific Market Shares of Inorganic Metal Finishing, by Country, 2021

Figure 127: Asia-Pacific Market Shares of Inorganic Metal Finishing, by Country, 2027

Figure 128: Asia-Pacific Market Shares of Inorganic Metal Finishing, by Type, 2021

Figure 129: Asia-Pacific Market Shares of Inorganic Metal Finishing, by Type, 2027

Figure 130: Asia-Pacific Market Shares of Plating and Finishing Processes, by Subtype, 2021

Figure 131: Asia-Pacific Market Shares of Plating and Finishing Processes, by Subtype, 2027

Figure 132: Asia-Pacific Market Shares of Electroplating, by Subprocess, 2021

Figure 133: Asia-Pacific Market Shares of Electroplating, by Subprocess, 2027

Figure 134: Asia-Pacific Market Shares of Vapor Deposition Coating, by Subprocess, 2021

Figure 135: Asia-Pacific Market Shares of Vapor Deposition Coating, by Subprocess, 2027

Figure 136: Asia-Pacific Market Shares of Electroless Plating, by Subprocess, 2021

Figure 137: Asia-Pacific Market Shares of Electroless Plating, by Subprocess, 2027

Figure 138: Asia-Pacific Market Shares of Conversion Coating, by Subprocess, 2021

Figure 139: Asia-Pacific Market Shares of Conversion Coating, by Subprocess, 2027

Figure 140: Asia-Pacific Market Shares of Metal Cladding, by Subprocess, 2021

Figure 141: Asia-Pacific Market Shares of Metal Cladding, by Subprocess, 2027

Figure 142: Asia-Pacific Market Shares of Thermal Spray Coating, by Subprocess, 2021

Figure 143: Asia-Pacific Market Shares of Thermal Spray Coating, by Subprocess, 2027

Figure 144: Asia-Pacific Market Shares of Surface Pretreatment, by Type, 2021

Figure 145: Asia-Pacific Market Shares of Surface Pretreatment, by Type, 2027

Figure 146: Asia-Pacific Market Shares of Surface Preparation/Cleaning, by Type, 2021

Figure 147: Asia-Pacific Market Shares of Surface Preparation/Cleaning, by Type, 2027

Figure 148: Asia-Pacific Market Shares of Inorganic Metal Finishing, by End-Use Industry, 2021

Figure 149: Asia-Pacific Market Shares of Inorganic Metal Finishing, by End-Use Industry, 2027

Figure 150: Rest of the World Market Shares of Inorganic Metal Finishing, by Sub-region, 2021

Figure 151: Rest of the World Market Shares of Inorganic Metal Finishing, by Sub-region, 2027

Figure 152: Rest of the World Market Shares of Inorganic Metal Finishing, by Type, 2021

Figure 153: Rest of the World Market Shares of Inorganic Metal Finishing, by Type, 2027

Figure 154: Rest of the World Market Shares of Plating and Finishing Processes, by Subtype, 2021

Figure 155: Rest of the World Market Shares of Plating and Finishing Processes, by Subtype, 2027

Figure 156: Rest of the World Market Shares of Electroplating, by Subprocess, 2021

Figure 157: Rest of the World Market Shares of Electroplating, by Subprocess, 2027

Figure 158: Rest of the World Market Shares of Vapor Deposition Coating, by Subprocess, 2021

Figure 159: Rest of the World Market Shares of Vapor Deposition Coating, by Subprocess, 2027

Figure 160: Rest of the World Market Shares of Electroless Plating, by Subprocess, 2021

Figure 161: Rest of the World Market Shares of Electroless Plating, by Subprocess, 2027

Figure 162: Rest of the World Market Shares of Conversion Coating, by Subprocess, 2021

Figure 163: Rest of the World Market Shares of Conversion Coating, by Subprocess, 2027

Figure 164: Rest of the World Market Shares of Metal Cladding, by Subprocess, 2021

Figure 165: Rest of the World Market Shares of Metal Cladding, by Subprocess, 2027

Figure 166: Rest of the World Market Shares of Thermal Spray Coating, by Subprocess, 2021

Figure 167: Rest of the World Market Shares of Thermal Spray Coating, by Subprocess, 2027

Figure 168: Rest of the World Market Shares of Surface Pretreatment, by Type, 2021

Figure 169: Rest of the World Market Shares of Surface Pretreatment, by Type, 2027

Figure 170: Rest of the World Market Shares of Surface Preparation/Cleaning, by Type, 2021

Figure 171: Rest of the World Market Shares of Surface Preparation/Cleaning, by Type, 2027

Figure 172: Rest of the World Market Shares of Inorganic Metal Finishing, by End-Use Industry, 2021

Figure 173: Rest of the World Market Shares of Inorganic Metal Finishing, by End-Use Industry, by Type, 2027

Figure 174: Emerging Technologies in the Market for Inorganic Finishing Technologies

Figure 175: Emerging Coating Technologies in the Market for Inorganic Finishing Technologies

Figure 176: A Brite Co., Inc.: SWOT Analysis

Figure 177: A.E. Aubin Co.: SWOT Analysis

- Figure 178: Abakan Inc.: SWOT Analysis
- Figure 179: ADF Systems Ltd.: SWOT Analysis
- Figure 180: Advanced Chemical Co. (ACC): SWOT Analysis
- Figure 181: Angstrom Engineering Inc.: SWOT Analysis
- Figure 182: Atotech (MKS): SWOT Analysis
- Figure 183: Guyson International Ltd.: SWOT Analysis
- Figure 184: Hubbard-Hall Inc.: SWOT Analysis
- Figure 185: International Plating Technology LLC: SWOT Analysis
- Figure 186: Lincoln Industries: SWOT Analysis
- Figure 187: Mass Finishing Inc.: SWOT Analysis
- Figure 188: McAlpin Industries: SWOT Analysis
- Figure 189: OC Oerlikon Management AG: SWOT Analysis
- Figure 190: OC Oerlikon Management AG: Sales Share, by Business Segment, 2022
- Figure 191: OC Oerlikon Management AG: Sales Share, by Region, 2022
- Figure 192: Pioneer Metal Finishing: SWOT Analysis
- Figure 193: Rosler Oberflächentechnik GmbH: SWOT Analysis
- Figure 194: Secoa Metal Finishing, LLC: SWOT Analysis
- Figure 195: Sharretts Plating Co., Inc.: SWOT Analysis

I would like to order

Product name: Global Markets and Technologies for Inorganic Metal Finishing Processes

Product link: <https://marketpublishers.com/r/G12461BB6399EN.html>

Price: US\$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G12461BB6399EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970