

Global Chromium Nitride (CrN) Coatings Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Chromium Nitride (CrN) Coatings market size was valued at US\$ 1420 million in 2025 and is forecast to a readjusted size of US\$ 2156 million by 2032 with a CAGR of 6.2% during review period.

Chromium Nitride (CrN) coatings are hard, thin films applied to surfaces to improve wear resistance, corrosion resistance, and reduce friction. These coatings are typically applied using Physical Vapor Deposition (PVD) methods such as sputtering or arc evaporation. CrN coatings are known for their high toughness, thermal stability, and compatibility with various substrates, making them ideal for applications requiring durability in harsh environments.

This report is a detailed and comprehensive analysis for global Chromium Nitride (CrN) Coatings market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Chromium Nitride (CrN) Coatings market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Chromium Nitride (CrN) Coatings market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Chromium Nitride (CrN) Coatings market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Chromium Nitride (CrN) Coatings market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Chromium Nitride (CrN) Coatings

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Chromium Nitride (CrN) Coatings market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BryCoat, Calico Coatings, Oerlikon, Surface Technology Coatings, GPA Coatings, voestalpine eifeler, DOT GmbH, Ion Vacuum Technologies Corp, Vergason Technology, MatWeb, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Chromium Nitride (CrN) Coatings market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Thin CrN Coatings (0.5?5 ?m)

Thick CrN Coatings (>5 ?m)

Market segment by Application

Automotive

Aerospace

Medical

Energy

Other

Major players covered

BryCoat

Calico Coatings

Oerlikon

Surface Technology Coatings

GPA Coatings

voestalpine eifeler

DOT GmbH

Ion Vacuum Technologies Corp

Vergason Technology

MatWeb

North Star Coating

VaporTech

Catcams NV

Moldex Extra

Cajun Gun Works

Sts Group

Surftech

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Chromium Nitride (CrN) Coatings product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Chromium Nitride (CrN) Coatings,

with price, sales quantity, revenue, and global market share of Chromium Nitride (CrN) Coatings from 2021 to 2026.

Chapter 3, the Chromium Nitride (CrN) Coatings competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Chromium Nitride (CrN) Coatings breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Chromium Nitride (CrN) Coatings market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Chromium Nitride (CrN) Coatings.

Chapter 14 and 15, to describe Chromium Nitride (CrN) Coatings sales channel, distributors, customers, research findings and conclusion.

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