

Global Neutral Hardening Market Growth (Status and Outlook) 2024-2030

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Abstracts

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Neutral hardening is a heat treatment process used to improve the hardness and wear resistance of metal workpieces. In this process, a metal workpiece is heated above a critical temperature and then rapidly cooled, usually by immersion in brine or oil. This rapid cooling process helps change the crystal structure of the metal, thereby increasing its hardness. The term 'Neutral' means that no gases or media are used in the process, which means that no atmosphere control agents, such as nitrogen or hydrogen, are added to affect the chemical composition of the metal surface. In contrast, other types of heat treatments, such as gas quenching or carburizing treatments, may introduce other elements during processing to change the chemical composition of the metal.

The global Neutral Hardening market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LPI (LP Information)' newest research report, the “Neutral Hardening Industry Forecast” looks at past sales and reviews total world Neutral Hardening sales in 2022, providing a comprehensive analysis by region and market sector of projected Neutral Hardening sales for 2023 through 2029. With Neutral Hardening sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Neutral Hardening industry.

This Insight Report provides a comprehensive analysis of the global Neutral Hardening landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Neutral

Hardening portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Neutral Hardening market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Neutral Hardening and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Neutral Hardening.

United States market for Neutral Hardening is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Neutral Hardening is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Neutral Hardening is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Neutral Hardening players cover Peters Heat Treating, Bodycote, Industrial Steel Treating, Service Heat Treatment, Parker Trutec, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Neutral Hardening market by product type, application, key players and key regions and countries.

Segmentation by Type:

Oil Quenching

Salt Bath Quenching

Air Quenching

Others

Segmentation by Application:

Aerospace

Oil and Gas

Medical Devices

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Peters Heat Treating

Bodycote

Industrial Steel Treating

Service Heat Treating

Parker Trutec

USA Heat Treating

Darby Metal Treating

Acemts

Metals Technology

ALD Heat Treatment Services

Keystone Powdered Metal Company

TSM Steel

National ThermalProcessing

HTS Technology Group

GHTC

Houston Heat Treat

Precision Heat Treatment Corporation

CO-OP THERMAL

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