

Global Heat Treatment Consumables Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G9E0DAFC7DB7EN.html>

Date: February 2026

Pages: 141

Price: US\$ 4,480.00 (Single User License)

ID: G9E0DAFC7DB7EN

Abstracts

The global Heat Treatment Consumables market size is expected to reach \$ 7927 million by 2032, rising at a market growth of 4.1% CAGR during the forecast period (2026-2032).

Heat treatment consumables refer to auxiliary materials used in the metal heat treatment process to achieve functions such as heating, cooling, protection, lubrication, or chemical reactions. These consumables include quenching oil, tempering salt, water-soluble coolant, protective atmosphere materials, decarburizing inhibitors, and carburizing agents. These consumables solve the problems of temperature control, atmosphere control, hardness control, and surface quality control in the metal heat treatment process, and are key materials to ensure product performance consistency and production efficiency. The average price of this product is approximately USD 3.2/kg, with global sales of approximately 1.8 million tons.

Heat Treatment Consumables are a type of material that are used in the process of heat treatment, which is a method of altering the physical and chemical properties of metals and alloys by applying heat and cooling. Heat Treatment Consumables can be classified by their function, form, composition, and application. Some common types of Heat Treatment Consumables are quenching media, protective gases, salts, fluxes, and others. The industry trend of Heat Treatment Consumables is expected to show a positive growth in the global market, as they offer advantages such as high quality, performance, and durability of the treated metals and alloys. Some of the factors that contribute to the growth of the market are the increasing demand for Heat Treatment Consumables in various end-use sectors such as automotive, aerospace, energy, and others, the rising adoption of Heat Treatment Consumables in emerging markets such as China, India, Brazil, and others.

This report studies the global Heat Treatment Consumables production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Heat Treatment Consumables and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Heat Treatment Consumables that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Heat Treatment Consumables total production and demand, 2021-2032, (Kilotons)

Global Heat Treatment Consumables total production value, 2021-2032, (USD Million)

Global Heat Treatment Consumables production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Heat Treatment Consumables consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Heat Treatment Consumables domestic production, consumption, key domestic manufacturers and share

Global Heat Treatment Consumables production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Heat Treatment Consumables production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Heat Treatment Consumables production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Heat Treatment Consumables market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Thermotech AS, Weldotherm, Henkel, Incertech, GC Repair Technologies, ECSHEAT, Termoproces, Heatmasters, Quaker Houghton, Fornitalia, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Heat Treatment Consumables market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Heat Treatment Consumables Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Heat Treatment Consumables Market, Segmentation by Type:

Consumables Before Welding

Consumables After Welding

Global Heat Treatment Consumables Market, Segmentation by Function:

Quenching Agent

Tempering Agent

Carburizing Agent

Global Heat Treatment Consumables Market, Segmentation by States:

Liquid (Oil, Water)

Solid (Powder, Granules)

Gas (Protective Atmosphere)

Global Heat Treatment Consumables Market, Segmentation by Application:

Automobile Industry

Aerospace

Machine Made

Semiconductor Industry

Others

Companies Profiled:

Thermotech AS

Weldotherm

Henkel

Incertech

GC Repair Technologies

ECSHEAT

Termoproces

Heatmasters

Quaker Houghton

Fornitalia

Miller

DAM H?rtetechnik

Fuchs Petrolub

Condat

Idemitsu

Petrofer

Key Questions Answered:

1. How big is the global Heat Treatment Consumables market?
2. What is the demand of the global Heat Treatment Consumables market?
3. What is the year over year growth of the global Heat Treatment Consumables market?
4. What is the production and production value of the global Heat Treatment Consumables market?
5. Who are the key producers in the global Heat Treatment Consumables market?
6. What are the growth factors driving the market demand?

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