

Dye Penetrant Testing Market - Global Outlook and Forecast 2022-2028

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Abstracts

Dye penetrant inspection (DP), also called liquid penetrate inspection (LPI) or penetrant testing (PT), is a widely applied and low-cost inspection method used to check surface-breaking defects in all non-porous materials (metals, plastics, or ceramics). The penetrant may be applied to all non-ferrous materials and ferrous materials, although for ferrous components magnetic-particle inspection is often used instead for its subsurface detection capability. LPI is used to detect casting, forging and welding surface defects such as hairline cracks, surface porosity, leaks in new products, and fatigue cracks on in-service components.

This report contains market size and forecasts of Dye Penetrant Testing in Global, including the following market information:

Global Dye Penetrant Testing Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global top five companies in 2021 (%)

The global Dye Penetrant Testing market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Metal-containing Dye Detection Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Dye Penetrant Testing include Applus, GE Inspection

technologies, Olympus Corporation, YXLON international, Mistras, Zetec and Nikon Metrology, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Dye Penetrant Testing companies, and industry experts on this industry, involving the revenue, demand, product type, recent developments and plans, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Dye Penetrant Testing Market, by Type, 2017-2022, 2023-2028 (\$ millions)

Global Dye Penetrant Testing Market Segment Percentages, by Type, 2021 (%)

Metal-containing Dye Detection

Non-metallic Dye Detection

Global Dye Penetrant Testing Market, by Application, 2017-2022, 2023-2028 (\$ millions)

Global Dye Penetrant Testing Market Segment Percentages, by Application, 2021 (%)

Oil Exploration/Production and Refining

Automotive

Maritime

Others

Global Dye Penetrant Testing Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions)

Global Dye Penetrant Testing Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Dye Penetrant Testing revenues in global market, 2017-2022 (estimated), (\$ millions)

Key companies Dye Penetrant Testing revenues share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Applus

GE Inspection technologies

Olympus Corporation

YXLON international

Mistras

Zetec

Nikon Metrology

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