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Europe Screen Printing Mesh Market Size and Forecasts to 2030 - Regional Analysis - by Product Type (Regular and Dyed), Material (Polyester, Nylon, Tungsten, Stainless Steel, and Others), and Application [Textiles, Electronics & Electricals (Circuit Boards, Solar Panels, Displays, and Others), Glass & Ceramics, and Others]

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Abstracts

The Europe screen printing mesh market was valued at US$ 156.74 million in 2022 and is expected to reach US$ 204.92 million by 2030; it is estimated to grow at a CAGR of 3.4% from 2022 to 2030.

Growing Demand for Screen Printing in Solar Panels Manufacturing in the Screen Printing Mesh Fuels the Growth of Europe Screen Printing Mesh Market

Screen printing has emerged as a crucial technology in the production of solar panels, and its demand has been steadily growing in recent years. This trend is primarily driven by its cost-effectiveness and efficiency in manufacturing photovoltaic cells. Screen printing allows for the precise application of conductive materials, such as silver paste, onto solar cell surfaces, enabling the creation of electrical pathways. This method's popularity has surged due to its ability to produce high-quality solar panels at a lower cost, making renewable energy more accessible to a broader audience. For instance, the development of advanced screen printing techniques have improved the conductivity and durability of solar cells. These innovations result in more efficient energy conversion and longer-lasting panels, addressing two critical concerns in the renewable energy sector-efficiency and sustainability. Additionally, the growing adoption of solar energy in various sectors, including residential, commercial, and industrial, has

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further fueled the demand for screen printing. According to International Energy Agency, the current global solar PV generation capacity stands at approximately 1,300 TWh, which is expected to reach at 8,300 TWh by 2030. This will involve the manufacturing of a large number of solar panels, which would further drive the Europe screen printing mesh market.

Europe Screen Printing Mesh Market Overview

Europe is a diverse market that includes several developed and developing economies such as Germany, France, Italy, the UK, Spain, and Russia. The textile industry is one of the most prominent industries in Europe, covering a range of products and processes such as spinning, weaving, finishing of textiles and manufacturing of knitted and crocheted fabrics. According to EURATEX (i.e., European Apparel and Textile Confederation), the textile sector exports stood at US$ 70.6 billion in 2022. The strong presence of the textile industry in the region creates a huge demand for screen printing mesh, as they are used to print images and logos, as well as dyeing, on apparels. The investment in the electronics & semiconductors industry in the region is also driving the demand for screen printing mesh. In April 2023, the European Council and the European Parliament agreed to invest US$ 3.6 billion in European Union funds to attract a further US$ 43.7 billion in private investment to build Europe's semiconductor manufacturing capabilities. Screen printing mesh is an essential component for manufacturing printed-circuit board for semiconductors. The region is home to several major glass manufacturers such as Saint-Gobain, Schott, and AGC Inc. The decorative and functional application of glass such as automotive glass, architectural glass, household glass prefers screen printing method for glass printing. Thus, the strong presence of industries such as textile and electronics & semiconductors in Europe will continue to accelerate the market growth.

Europe Screen Printing Mesh Market Revenue and Forecast to 2030 (US$ Million)

Europe Screen Printing Mesh Market Segmentation

The Europe screen printing mesh market is segmented based on product type, material, application.

Based on product type, the Europe screen printing mesh market is bifurcated into regular and dyed. The dyed segment held a larger share in 2022.

Based on material, the Europe screen printing mesh market is segmented into

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polyester, nylon, tungsten, stainless steel, and others. The polyester segment held the largest share in 2022.

Based on application, the Europe screen printing mesh market is segmented into textiles, electronics & electricals (circuit boards, solar panels, displays, and others), glass & ceramics, and others. The textiles segment held the largest share in 2022.

Based on country, the Europe screen printing mesh market is segmented into Germany, France, the UK, Italy, Spain, and the Rest of Europe. Germany dominated the Europe screen printing mesh market in 2022.

Sefar AG, Saati SpA, HAVER & BOECKER, Weisse & Eschich GmbH & Co KG, and NBC Meshtec Inc are some of the leading companies operating in the Europe screen printing mesh market.

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