

The 2023-2028 Outlook for 3D Printing Technologies in Japan

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Abstracts

This study covers the latent demand outlook for 3D printing technologies across the prefectures and cities of Japan. Latent demand (in millions of U.S. dollars), or potential industry earnings (P.I.E.) estimates are given across over 1,000 cities in Japan. For each city in question, the percent share the city is of its prefecture and of Japan as a whole is reported. These comparative benchmarks allow the reader to quickly gauge a city vis-à-vis others. This statistical approach can prove very useful to distribution and/or sales force strategies. Using econometric models which project fundamental economic dynamics within each prefecture and city, latent demand estimates are created for 3D printing technologies. This report does not discuss the specific players in the market serving the latent demand, nor specific details at the product level. The study also does not consider short-term cyclicalities that might affect realized sales. The study, therefore, is strategic in nature, taking an aggregate and long-run view, irrespective of the players or products involved.

In this report we define the sales of 3D printing technologies as including all commonly understood products falling within this broad category, such as fused deposition modeling (FDM), wax deposition modeling (WDM), stereolithography (SLA), binder-jetting, poly-jet printing, selective laser sintering, direct metal laser sintering, electron beam melting (EBM), laminated object manufacturing (LOM), and three-dimensional inkjet printing (3DP), irrespective of product packaging, formulation, size, or form. Companies participating in this industry include EnvisionTEC, Luxexcel, Makerbot Industries, Microtec Gesellschaft Fur Micro Computervertrieb, Organovo Holdings, and Voxeljet. In addition to the sources indicated, additional information available to the public via news and/or press releases published by players in the industry was considered in defining and calibrating this category. All figures are in a common currency (U.S. dollars, millions) and are not adjusted for inflation (i.e., they are current

values). Exchange rates used to convert to U.S. dollars are averages for the year in question. Future exchange rates are assumed to be constant in the future at the current level (the average of the year of this publication's release in 2022).

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