

Asia Pacific Soldering in Electronics Assembly Market Forecast to 2028 -Regional Analysis - by Product (Wire, Paste, Bar, Flux, Bar, and Others)

<https://marketpublishers.com/r/AAC3BDDDC1A8EN.html>

Date: June 2023

Pages: 145

Price: US\$ 3,000.00 (Single User License)

ID: AAC3BDDDC1A8EN

Abstracts

The Asia Pacific soldering in electronics assembly market is expected to grow from US\$ 805.89 million in 2023 to US\$ 1,101.38 million by 2028. It is estimated to grow at a CAGR of 6.4% from 2023 to 2028.

Robotics in Soldering is Fueling Asia Pacific Soldering in Electronics Assembly Market

With the introduction of Industry 4.0 in manufacturing, the adoption of automation for mass customizations plays a crucial role in large-scale production in a shorter time. Robots provide precision in soldering products in electronic assembly and improve overall productivity. Market players provide such soldering robots and machinery to reduce the downtime of the production process and provide accurate results. The adoption of robotics for automation in soldering in electronics assembly contributes to the soldering process's production output, propelling the market's growth. Robotic soldering also plays an important role in optimizing printed circuit board (PCB) assembly to reduce and eliminate human error. The controlled and repeatable process increases the productivity and profitability of the PCB assembly process. Thus, there is a rise in the adoption of soldering robots by companies. For instance, Indium Corporation manufactures flux-cored solder wire with the help of soldering robots. In July 2022, Indium Corporation partnered with SAFI-Tech to develop no-heat and low-heat solder and metallic joining products, where the Indium Corporation can use its soldering robots to manufacture the newly developed products. Thus, the adoption of robotics in soldering is expected to be a trend in the Asia Pacific soldering in electronics assembly market during the forecast period.

Asia Pacific Soldering in Electronics Assembly Market Overview

The Asia Pacific soldering in electronics assembly market, based on country, is segmented into Australia, China, India, Japan, South Korea, and the rest of APAC. Over the years, China, India, and Taiwan have become major electronics manufacturing countries across the globe. The wide presence of electronics manufacturers across the region is driving the market growth. A few electronics manufacturers in the region are Samsung Electronics; Integrated Micro-Electronics, Inc.; Venture Corporation Limited; and Fabrinet Company Limited. The constant innovation by these companies coupled with expansion plans to increase their market share boost the demand for soldering, thereby contributing to the APAC soldering in electronics assembly market growth. The automotive industry across APAC is experiencing a significant growth over the years. Countries such as India, China, Indonesia, South Korea, and Thailand have experienced a significant rise in vehicle production volume in 2022, according to the International Organization of Motor Vehicle Manufacturers. Additionally, regional and global automotive manufacturers are investing in establishing new vehicle production plants across the region.

Asia Pacific Soldering in Electronics Assembly Market Revenue and Forecast to 2028 (US\$ Million)

Asia Pacific Soldering in Electronics Assembly Market Segmentation

The Asia Pacific soldering in electronics assembly market is bifurcated into product and country.

Based on the product, the Asia Pacific soldering in electronics assembly market is segmented into wire, paste, bar, flux, and others. The wire segment held the largest share of the Asia Pacific soldering in electronics assembly market in 2023.

Based on country, the Asia Pacific soldering in electronics assembly market has been categorized into China, India, Japan, South Korea, Taiwan, and the Rest of Asia Pacific. Our regional analysis states that China dominated the Asia Pacific soldering in electronics assembly market in 2023.

AIM Metals & Alloys LP, Fusion Inc, Indium Corp, KOKI Co Ltd, Lucas-Milhaupt Inc, MacDermid Alpha Electronics Solutions, and Superior Flux & Manufacturing Co are the leading companies operating in the Asia Pacific soldering in electronics assembly market.

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