

North America Antistatic Brushes Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Filament Material (Nylon, Stainless Steel, Brass, Aluminum, Carbon Fiber, and Others), Brush Type (Tufted Strip and Plate Brushes, Disk Brushes, Cylindrical Brushes, and Others), and Application (Automotive, Metalworking, Electronics, Industrial Machinery, and Others)

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Abstracts

The North America antistatic brushes market is expected to grow from US\$ 43.43 million in 2022 to US\$ 57.45 million by 2028. It is estimated to grow at a CAGR of 4.8% from 2022 to 2028.

Rising Demand for Specialized and Application-Specific Brushes Drives North America Antistatic Brushes Market

Different industries have unique static control challenges and prefer brushes specifically designed to address their needs. For instance, in the electronics industry, brushes may need to have a certain level of softness to prevent damage to delicate electronic components. On the other hand, in a cleanroom environment, brushes may require specific cleanliness certifications. Thus, the demand for antistatic brushes tailored to specific applications and requirements would keep growing with specialization and diversification in industries. By fine-tuning aspects such as brush material, bristle type, density, length, and shape, manufacturers can optimize the brushes for specific applications. Enhanced, industry-suitable performances of brushes can result in better productivity, reduced risk of static-related issues, and improved product quality.

In addition, customization allows for the development of antistatic brushes that are compatible with existing equipment or manufacturing processes. Sometimes, standard off-the-shelf brushes may not fit or integrate seamlessly with existing machinery or systems. Customized brushes can be designed to meet the required specifications and dimensions, ensuring a proper fit and integration. This compatibility is essential for seamless operations, thereby reducing downtime and maximizing static control. There are several manufacturers of antistatic brushes that offer customization and refurbishment services. For instance, Gordon Brush Mfg Co Inc provides customization services to meet particular customer requirements. The company provides personalized services referring to the customization requests submitted by buyers on its website, based on their requirements and intended application. They also provide refurbishment services to extend the life of brushes, including brush cleaning, bristling, and repair. Further, Precision Brush Company, a US-based provider of customized brushes, engages with customers to meet their specific brush requirements. Cocker-Weber Brush Co refurbishes worn brushes and offers an economical solution by refilling the brush with new tufts when the brush base is in good and reusable condition. However, a limited number of companies provide refurbishing and customization services. Thus, gaining the capability to offer these services could provide tremendous growth opportunities to players in the North America antistatic brushes market .

North America Antistatic Brushes Market Overview

In North America, passenger vehicles are the most common mode of transportation, and their use is increasing with the rise in per capita income. Automakers have shifted their vehicle production more toward electrification with the growing stringent emission norms.

According to the International Energy Agency, electric car sales accounted for 630,000 in 2021. In addition, according to the International Energy Agency, between August 2022 (when the Inflation Reduction Act was passed) and March 2022, major electric vehicle and battery makers announced investments totaling a minimum of US\$ 52 billion in electric vehicle supply chains in North America. Antistatic brushes are used for removing dust prior to spraying bodywork, aesthetic sealing of openings, and transporting automotive parts. The growing demand for commercial vehicles from the logistics & e-commerce sector in the region is propelling the requirement for printed circuit boards (PCBs). In vehicles, PCBs are necessary for the deployment of airbags, audio & video equipment, GPS, antilock brake systems, communication equipment, power converters, engine coolant level monitors, engine timing systems, LED brake

lights, power distribution junction boxes, remote diagnostic systems, security systems, and transmission sensors, among others. Thus, growing sales of vehicles and the utilization of PCBs and electrical components in vehicle manufacturing are accelerating the demand for antistatic brushes in North America. The increasing investment from major players, such as General Motors and Tesla, Inc., in the region is boosting the market growth. According to the International Organization of Motor Vehicle Manufacturers (OICA), vehicle production in North America increased by 10%, from ~13.5 million in 2021 to 14.8 million vehicles in 2022. Foreign automotive manufacturers are expected to be involved in a part of the mainstream automotive industry in North America to increase their market share, which is expected to benefit the demand for antistatic brushes.

North America Antistatic Brushes Market Revenue and Forecast to 2028 (US\$ Million)

North America Antistatic Brushes Market Segmentation

The North America antistatic brushes market is segmented into filament material, brush type, application, and country.

Based on filament material, the North America antistatic brushes market is segmented into nylon, stainless steel, brass, aluminum, carbon fiber, and others. In 2022, the others segment registered a largest share in the North America antistatic brushes market.

Based on brush type, the North America antistatic brushes market is segmented into tufted strip and plate brushes, disk brushes, cylindrical brushes, and others. In 2022, the tufted strip and plate brushes segment registered a largest share in the North America antistatic brushes market.

Based on application, the North America antistatic brushes market is segmented into automotive, metalworking, electronics, industrial machinery, and others. In 2022, the industrial machinery segment registered a largest share in the North America antistatic brushes market.

Based on country, the North America antistatic brushes market is segmented into the US, Canada, and Mexico. In 2022, the US segment registered a largest share in the North America antistatic brushes market.

Amstat Industries Inc; Cocker-Weber Brush Co; Gordon Brush Mfg Co Inc; KIST +

ESCHERICH GmbH; KOTI Industrial & Technical Brushes BV; Precision Brush Co; Spiral Brushes Inc; The Industrial Brush Co Inc; Ultrafab Inc; and Westmont Inc are the leading companies operating in the North America antistatic brushes market.

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