

North America Bi-Metal and Carbide Tipped Band Saw Blades Market Forecast to 2028 - COVID-19 Impact and Regional Analysis By Product Type (Carbide Tipped and High-Speed Steel), Application (Steel, Aluminium, Cast Iron, Non-Ferrous Material, and Others), and End Use Industry (Automotive, Aerospace & Defense, Machine Manufacturing, and Others)

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Abstracts

The North America bi-metal and carbide tipped band saw blades market is expected to grow from US\$ 327.12 million in 2022 to US\$ 410.50 million by 2028. It is estimated to grow at a CAGR of 3.9% from 2022 to 2028.

Cost-Effectiveness of Tools that Enable High-Performance In-House Metal Sawing fuels the North America Bi-metal and Carbide Tipped Band Saw Blades Market

Bi-metal blades are used on band saws to cut carbon steel, tool steel, structural steel, stainless steel, pipes and tubes, die steel, angles and flat stock, and mixed metal components. They are composed of two different metals. The bi-metal teeth have superior strength that can retain the blade's edge while cutting, thus allowing for maximum flexibility without sacrificing resilience or durability. The blade back is made up of flexible spring steel, which allows the bending of the blade. The teeth of blade are machined into a high-speed steel wire that is welded to the blade back using an electronic beam. The bi-metal and carbide tipped band saw blades are more robust than carbon blades, which results in a considerably longer blade life and high-performance sawing. The fabrication and metalworking industries require band saw

blades that will last longer and produce cuts of a higher quality. The bi-metal and carbide tipped band saw blades help minimize the cost per cut, alongside ensuring a greater productivity. Moreover, due to the high cost of outsourcing manufacturing processes, many manufacturers and industrial operators are looking for more cost-effective and efficient ways to saw metals in their own facilities. The introduction of band sawing tools, such as bi-metal and carbide tipped band saw blades, having greater availability and control is providing viability to companies' abilities to cut their own metal in-house. These blades help manufacturers lower their overall operating costs by eliminating the need of outsourcing metal cutting jobs, further enhancing production efficiency by ensuring work completion within the given timeframe. Thus, bi-metal and carbide tipped band saw blades are emerging as cost-effective cutting tools that deliver high-performance metal sawing and improve production efficiency, thereby minimizing the overall cost of production in automotive, aerospace, and metal components' manufacturing facilities, which is driving the growth of the North America bi-metal and carbide tipped band saw blades market.

North America Bi-metal and Carbide Tipped Band Saw Blades Market Overview

North America comprises countries such as the US, Canada, and Mexico. There have been many growth opportunities for the bi-metal and carbide tipped band saw blades market in North America due to the presence of major market players operating in the region, along with continuous enhancements of the overall business processes. According to The International Trade Administration (ITA), the US is one of the largest automotive markets in the world. In 2018, the light vehicle sales in the US reached 17.2 million units, which is the fourth straight year in which the sales have reached or surpassed 17 million units. In 2019, North America's commercial vehicle production expanded by 3.6%. Further, there is a higher demand and production for large engine capacity vehicles in this region, such as extended cabs. In this region, the automotive market is inclined toward light trucks and SUVs, owing to better traction provided by such vehicles in changing weather conditions and off-road capabilities. Also, light commercial vehicle production in North America is increasing. Thus, the growing automotive sector in the region has increased the usage of bi-metal and carbide tipped band saw blades in the automotive industry. Bi-metal band saw combines an excellent alloy steel backing, which permits maximum loading with a very high-quality high-speed steel (M51) cutting edge. This blade offers excellent performance both in cutting and penetration on automatic and semiautomatic machines. However, due to the COVID-19 pandemic, the automotive industry has been negatively impacted. The industry is expected to recover and become stable in the next few years, which would drive the bi-metal and carbide tipped band saw blades market in North America.

North America Bi-metal and Carbide Tipped Band Saw Blades Market Revenue and Forecast to 2028 (US\$ Million)

North America Bi-metal and Carbide Tipped Band Saw Blades Market Segmentation

The North America bi- metal and carbide tipped band saw blades market is segmented into product type, application, end use industry, and country.

Based on product type, the North America bi- metal and carbide tipped band saw blades market is segmented into carbide tipped and high-speed steel. The high-speed steel segment held a larger share of the North America bi- metal and carbide tipped band saw blades market in 2022.

Based on application, the North America bi- metal and carbide tipped band saw blades market is segmented into steel, aluminium, cast iron, non-ferrous material, and others. The steel segment held the largest share of the North America bi- metal and carbide tipped band saw blades market in 2022.

Based on end use industry, the North America bi- metal and carbide tipped band saw blades market is segmented into automotive, aerospace & defense, machine manufacturing, and others. The machine manufacturing segment held the largest share of the North America bi- metal and carbide tipped band saw blades market in 2022.

Based on country, the North America bi- metal and carbide tipped band saw blades market is segmented into the US, Canada, and Mexico. The US dominated the share of the North America bi- metal and carbide tipped band saw blades market in 2022.

AMADA MACHINERY CO., LTD.; BICHAMP CUTTING TECHNOLOGY CO(HUNAN).,LTD; EBERLE; Gebr. Lennartz GmbH & Co. KG; ROBERT R?NTGEN GMBH & CO. KG; Starrett; and WIKUS are the leading companies operating in the North America bi- metal and carbide tipped band saw blades market.

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