

North America Sapphire Substrate Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Wafer Diameter (2 Inches, 4 Inches, 6 Inches, and Others) and Application [LED, RFIC Application, Laser Diode, Silicon on Sapphire (SoS) IC, and Others]

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AVAILABLE LICENSES:

- Single User Price \$3000.00
- Site Price \$4000.00
- Enterprise Price \$5000.00

Report description:

The sapphire substrate market in North America is expected to grow from US\$ 141.28 million in 2021 to US\$ 199.41 million by 2028; it is estimated to grow at a CAGR of 5.3% from 2021 to 2028.

Sapphire substrate is used in LEDs, laser diodes, and RFIC applications, with LED accounting for over ~90%. Sapphire substrate is suitable for LED applications due to its high strength, high-temperature resistance, low dielectric loss, and good electrical insulation. Also, it helps prevent LED lighting from stray currents, which are caused due to radiation from spreading to close circuit elements. The patterned sapphire substrate technology has become an effective way to improve the efficiency and reduce the cost of LEDs. Therefore, it is widely used in mid-power LEDs. The high demand for sapphire substrates in LED applications boosts the sapphire substrate market. Also, the rising use of general lightings propels the need for LEDs, which bolsters the market growth. Gavish, San'an Optoelectronics, Monocrystal, Silian, Crystalwise Technology, and Rubicon Technology are among the prominent producers of LED sapphire.

By launching new features and technologies, vendors in the North America sapphire substrate market can attract new customers and expand their footprints in emerging markets. This factor is likely to drive the market at a substantial CAGR during the forecast period.

North America Sapphire Substrate Market Revenue and Forecast to 2028 (US\$ Million)North America Sapphire Substrate Market Revenue and Forecast to 2028 (US\$ Million)

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North America Sapphire Substrate Market Segmentation

The North America sapphire substrate market is segmented on the basis of wafer diameter, application, and country. Based on wafer diameter, the market is segmented into 2 inches, 4 inches, 6 inches, and others. In 2021, the 4 inches segment held the largest market share. However, the 6 inches segment is expected to register the highest CAGR during the forecast period. Based on application, the North America sapphire substrate market is segmented into LED, RFIC application, laser diode, silicon on sapphire (SOS) IC, and others. The LED segment held the largest market share in 2021 and is expected to register the highest CAGR in the market during the forecast period. Based on country, the North America sapphire substrate market is segmented into the US, Canada, and Mexico. In 2021, the US held the largest market share. The country is also expected to register the highest CAGR during the forecast period.

Meller Optics, Inc.; Rubicon Technology Inc.; Precision Micro-Optics Inc.; CRYSTALWISE TECHNOLOGY INC.; SAINT GOBAIN S.A.; KYOCERA Corporation; and Monocrystal are among the leading companies in the North America sapphire substrate market.

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