

Global Alumina Thick Film Substrates Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Alumina Thick Film Substrates market size was valued at US\$ 87.6 million in 2024 and is forecast to a readjusted size of USD 116 million by 2031 with a CAGR of 3.9% during review period.

Thick film ceramic substrate refers to ceramic substrate processed by thick film technology. The thick film ceramic substrate is a post-fired ceramic substrate. 'Thick Film' refers to the thickness of conductor layer on Ceramic Substrate. Normally the thickness will be at least exceeds 10 micron (um), around 10~100um, more thick than sputtering technology in Thin Film Ceramic Substrate. Of course thickness is less than DCB Ceramic board or FR4 board.

At the same time, using thick film technology, we can put resistor, electric capacity, conductor, semi-conductor, and interchangeable conductor on ceramic board, after manufacturing steps of printing and high temperature sintering. We can make all the resistors with the same value, or different value for different resistor on the same board.

Due to the mature technology, simple process and low cost, thick-film ceramic substrates have been applied in electronic packages that do not require high graphics accuracy.

In general, the thick film ceramic substrate covers Alumina (Al₂O₃) thick film substrates, AlN thick film substrates and BeO thick film Substrates.

This report only focuses on the Alumina (Al₂O₃) thick film substrates. The typical thickness of substrates are 0.25mm, 0.5 mm, 0.635 mm, 0.8 mm, 1.0 mm, etc.

Global thick film ceramic substrates key players include Noritake, NCI, Miyoshi Electronics Corporation, etc. Global top 3 manufacturers hold a share over 27%. Asia-Pacific is the largest market, with a share about 37%, followed by North America and Europe, both have a share about 56 percent. In terms of product, alumina thick film substrates is the largest segment, with a share about 77%. And in terms of application, the largest application is automotive & sensors, followed by industrial & medical. Asia-Pacific is the largest market, with a share about 37%, driven by demand from China, Japan, and South Korea.

The key players of thick film ceramic substrates are mainly located in Japan, US, and Europe, include Noritake, NCI, Kyocera, Miyoshi Electronics Corporation, CMS Circuit Solutions, Inc, Cicor Group, Nikko, Maruwa, APITech (CMAC), and Mitsuboshi Belting, etc. The global top six players hold a share about 42 percent in 2024.

This report is a detailed and comprehensive analysis for global Alumina Thick Film Substrates market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Alumina Thick Film Substrates market size and forecasts, in consumption value (\$ Million), sales quantity (Sqm), and average selling prices (US\$/Sqm), 2020-2031

Global Alumina Thick Film Substrates market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Sqm), and average selling prices (US\$/Sqm), 2020-2031

Global Alumina Thick Film Substrates market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Sqm), and average selling prices (US\$/Sqm), 2020-2031

Global Alumina Thick Film Substrates market shares of main players, shipments in revenue (\$ Million), sales quantity (Sqm), and ASP (US\$/Sqm), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Alumina Thick Film Substrates
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Alumina Thick Film Substrates market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Noritake, NCI, Miyoshi Electronics Corporation, Kyocera, CMS Circuits, Inc, Cikor Group, Maruwa, Nikko, APITech (CMAC), Mitsuboshi Belting, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Alumina Thick Film Substrates market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Thickness: 0.2mm-0.5mm

Thickness: 0.51mm-1.0mm

Others

Market segment by Application

Automotive & Sensors

Industrial & Medical

Power Device

LEDs

MEMS Packages

Military & Defence

Others

Major players covered

Noritake

NCI

Miyoshi Electronics Corporation

Kyocera

CMS Circuits, Inc

Cicor Group

Maruwa

Nikko

APITech (CMAC)

Mitsuboshi Belting

TTM Technologies

MST (Micro Systems Technologies)

Micro-Precision Technologies

Stellar Industries Corp

Remtec

NEO Tech

Holy Stone

Tong Hsing

ELCERAM

ECRIM

SERMA Microelectronics

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Alumina Thick Film Substrates product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Alumina Thick Film Substrates, with price, sales quantity, revenue, and global market share of Alumina Thick Film Substrates from 2020 to 2025.

Chapter 3, the Alumina Thick Film Substrates competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Alumina Thick Film Substrates breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Alumina Thick Film Substrates market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Alumina Thick Film Substrates.

Chapter 14 and 15, to describe Alumina Thick Film Substrates sales channel, distributors, customers, research findings and conclusion.

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