

# 2017-2022 Global Top Countries Piezoelectric Ceramics Market Report

https://marketpublishers.com/r/2F208FD733DEN.html

Date: July 2017 Pages: 158 Price: US\$ 4,960.00 (Single User License) ID: 2F208FD733DEN

## **Abstracts**

The report requires updating with new data and is sent in 48 hours after order is placed.

The Global Piezoelectric Ceramics market size will be XX million (USD) in 2022, from the XX million (USD) in 2016, with a CAGR (Compound Annual Growth Rate) XX% from 2016 to 2022.

This report studies Piezoelectric Ceramics in Global market, especially in United States, Canada, Mexico, Germany, France, UK, Italy, Russia, China, Japan, India, Korea, Southeast Asia, Australia, Brazil, Middle East and Africa, focuses on the top Manufacturers in each country, covering

MURATA TDK MORGAN TAIYO YUDEN KYOCERA CeramTec PI Ceramic Exelis



#### **Sparkler Ceramics**

**KEPO Electronics** 

**APC** International

TRS

Noliac

SensorTech

Meggitt Sensing

Johnson Matthey

**Kinetic Ceramics** 

Konghong Corporation

**Jiakang Electronics** 

**Datong Electronic** 

Audiowell

Honghua Electronic

**Risun Electronic** 

Yuhai Electronic Ceramic

PANT

Market Segment by Countries, this report splits Global into several key Countries, with sales, revenue, market share of top 5 players in these Countries, from 2012 to 2017 (forecast), like



United States
Canada
Mexico
Germany
France
UK
Italy
Russia
China
Japan
India
Korea
Southeast Asia
Australia
Brazil
Middle East

Africa

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Lead zinc titanates(PZT)



Lead titanate (PT)

Lead magnesium niobate (PMN)

Others

Split by applications, this report focuses on sales, market share and growth rate of Piezoelectric Ceramics in each application, can be divided into

Piezoelectric transformer Standard signal source Electro-acoustic transducer Ultrasonic transducer Underwater acoustic transducers Filter Sensing and measurement Nonlinear element



## Contents

#### 2017-2022 GLOBAL TOP COUNTRIES PIEZOELECTRIC CERAMICS MARKET REPORT

#### **1 PIEZOELECTRIC CERAMICS MARKET OVERVIEW**

- 1.1 Product Overview and Scope of Piezoelectric Ceramics
- 1.2 Piezoelectric Ceramics Segment by Types
- 1.2.1 Global Sales Market Share of Piezoelectric Ceramics by Types in 2016
- 1.2.2 Lead zinc titanates(PZT)
- 1.2.3 Lead titanate (PT)
- 1.2.4 Lead magnesium niobate (PMN)
- 1.2.5 Others
- 1.3 Piezoelectric Ceramics Segment by Applications
  - 1.3.1 Piezoelectric Ceramics Consumption Market Share by Applications in 2016
- 1.3.2 Piezoelectric transformer
- 1.3.3 Standard signal source
- 1.3.4 Electro-acoustic transducer
- 1.3.5 Ultrasonic transducer
- 1.3.6 Underwater acoustic transducers
- 1.3.7 Filter
- 1.3.8 Sensing and measurement
- 1.3.9 Nonlinear element
- 1.4 Piezoelectric Ceramics Market by Countries
- 1.4.1 United States Status and Prospect (2012-2022)
- 1.4.2 Canada Status and Prospect (2012-2022)
- 1.4.3 Germany Status and Prospect (2012-2022)
- 1.4.4 France Status and Prospect (2012-2022)
- 1.4.5 UK Status and Prospect (2012-2022)
- 1.4.6 Italy Status and Prospect (2012-2022)
- 1.4.7 Russia Status and Prospect (2012-2022)
- 1.4.8 China Status and Prospect (2012-2022)
- 1.4.9 Japan Status and Prospect (2012-2022)
- 1.4.10 India Status and Prospect (2012-2022)
- 1.4.11 Korea Status and Prospect (2012-2022)
- 1.4.12 Southeast Asia Status and Prospect (2012-2022)
- 1.4.13 Australia Status and Prospect (2012-2022)
- 1.4.14 Brazil Status and Prospect (2012-2022)



1.4.15 Mexico Status and Prospect (2012-2022)

1.4.16 Middle East Status and Prospect (2012-2022)

1.4.17 Africa Status and Prospect (2012-2022)

1.5 Global Piezoelectric Ceramics Overview and Market Size (Value) (2012-2022)

1.5.1 Global Market Piezoelectric Ceramics Overview

1.5.2 Global Market Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

### 2 GLOBAL PIEZOELECTRIC CERAMICS SALES, REVENUE (VALUE) AND MARKET SHARE BY MANUFACTURERS

2.1 Global Piezoelectric Ceramics Sales and Market Share in 2016 and 2017 by Manufacturers

2.1.1 Global Piezoelectric Ceramics Sales by Manufacturers in 2016 and 2017

2.1.2 Global Piezoelectric Ceramics Sales Market Share (%) by Manufacturers in 2016 and 2017

2.2 Global Piezoelectric Ceramics Revenue and Market Share by Manufacturers in 2016 and 2017

2.2.1 Global Piezoelectric Ceramics Revenue by Manufacturers in 2016 and 2017

2.2.2 Global Piezoelectric Ceramics Revenue Market Share (%) by Manufacturers in 2016 and 2017

2.3 Global Piezoelectric Ceramics Average Price by Manufacturers in 2016 and 20172.4 Global Piezoelectric Ceramics Manufacturing Base Distribution, Sales Area, Product Types by Manufacturers

2.4.1 Global Piezoelectric Ceramics Manufacturing Base Distribution and Sales Area by Manufacturers

2.4.2 Manufacturers Piezoelectric Ceramics Product Types

2.5 Piezoelectric Ceramics Market Competitive Situation and Trends

2.5.1 Piezoelectric Ceramics Market Concentration Rate

2.5.2 Piezoelectric Ceramics Market Share of Top 3 and Top 5 Manufacturers

2.5.3 Mergers & Acquisitions, Expansion

## 3 GLOBAL PIEZOELECTRIC CERAMICS SALES, REVENUE (VALUE) BY COUNTRIES, TYPE AND APPLICATION (2012-2017)

3.1 Global Piezoelectric Ceramics Sales, Revenue and Market Share by Countries (2012-2017)

3.1.1 Global Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)



3.1.2 Global Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

3.1.3 Global Piezoelectric Ceramics Price by Countries (2012-2017)

3.2 Global Piezoelectric Ceramics Sales, Revenue, Market Share and Price by Type (2012-2017)

3.2.1 Global Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

3.2.2 Global Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

3.2.3 Global Piezoelectric Ceramics Price by Type (2012-2017)

3.3 Global Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

3.3.1 Global Piezoelectric Ceramics Sales by Application (2012-2017)

3.3.2 Global Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

3.4 Global Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

### 4 GLOBAL PIEZOELECTRIC CERAMICS MANUFACTURERS PROFILES/ANALYSIS

4.1 MURATA

4.1.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.1.2 Piezoelectric Ceramics Product Types, Application and Specification

4.1.2.1 Type

4.1.2.2 Type

4.1.3 MURATA Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.1.4 Main Business/Business Overview

4.2 TDK

4.2.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.2.2 Piezoelectric Ceramics Product Types, Application and Specification

4.2.2.1 Type

4.2.2.2 Type

4.2.3 TDK Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.2.4 Main Business/Business Overview

4.3 MORGAN

4.3.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors



4.3.2 Piezoelectric Ceramics Product Types, Application and Specification

4.3.2.1 Type

4.3.2.2 Type

4.3.3 MORGAN Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.3.4 Main Business/Business Overview

4.4 TAIYO YUDEN

4.4.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.4.2 Piezoelectric Ceramics Product Types, Application and Specification

4.4.2.1 Type

4.4.2.2 Type

4.4.3 TAIYO YUDEN Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.4.4 Main Business/Business Overview

4.5 KYOCERA

4.5.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.5.2 Piezoelectric Ceramics Product Types, Application and Specification

4.5.2.1 Type

4.5.2.2 Type

4.5.3 KYOCERA Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.5.4 Main Business/Business Overview

4.6 CeramTec

4.6.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.6.2 Piezoelectric Ceramics Product Types, Application and Specification

4.6.2.1 Type

4.6.2.2 Type

4.6.3 CeramTec Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.6.4 Main Business/Business Overview

4.7 PI Ceramic

4.7.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.7.2 Piezoelectric Ceramics Product Types, Application and Specification

4.7.2.1 Type

4.7.2.2 Type



4.7.3 PI Ceramic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.7.4 Main Business/Business Overview

4.8 Exelis

4.8.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.8.2 Piezoelectric Ceramics Product Types, Application and Specification

4.8.2.1 Type

4.8.2.2 Type

4.8.3 Exelis Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.8.4 Main Business/Business Overview

4.9 Sparkler Ceramics

4.9.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.9.2 Piezoelectric Ceramics Product Types, Application and Specification

9.9.2.1 Type

9.9.2.2 Type

4.9.3 Sparkler Ceramics Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.9.4 Main Business/Business Overview

4.10 KEPO Electronics

4.10.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.10.2 Piezoelectric Ceramics Product Types, Application and Specification

4.10.2.1 Type

4.10.2.2 Type

4.10.3 KEPO Electronics Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.10.4 Main Business/Business Overview

4.11 APC International

4.11.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.11.2 Piezoelectric Ceramics Product Types, Application and Specification

4.11.2.1 Type

4.11.2.2 Type

4.11.3 APC International Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.11.4 Main Business/Business Overview



4.12 TRS

4.12.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.12.2 Piezoelectric Ceramics Product Types, Application and Specification

4.12.2.1 Type

4.12.2.2 Type

4.12.3 TRS Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.12.4 Main Business/Business Overview

4.13 Noliac

4.13.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.13.2 Piezoelectric Ceramics Product Types, Application and Specification

4.13.2.1 Type

4.13.2.2 Type

4.13.3 Noliac Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.13.4 Main Business/Business Overview

4.14 SensorTech

4.14.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.14.2 Piezoelectric Ceramics Product Types, Application and Specification

4.14.2.1 Type

4.14.2.2 Type

4.14.3 SensorTech Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.14.4 Main Business/Business Overview

4.15 Meggitt Sensing

4.15.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.15.2 Piezoelectric Ceramics Product Types, Application and Specification

4.15.2.1 Type

4.15.2.2 Type

4.15.3 Meggitt Sensing Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.15.4 Main Business/Business Overview

4.16 Johnson Matthey

4.16.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors



4.16.2 Piezoelectric Ceramics Product Types, Application and Specification

4.16.2.1 Type

4.16.2.2 Type

4.16.3 Johnson Matthey Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.16.4 Main Business/Business Overview

4.17 Kinetic Ceramics

4.17.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.17.2 Piezoelectric Ceramics Product Types, Application and Specification

4.17.2.1 Type

4.17.2.2 Type

4.17.3 Kinetic Ceramics Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.17.4 Main Business/Business Overview

4.18 Konghong Corporation

4.18.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.18.2 Piezoelectric Ceramics Product Types, Application and Specification

4.18.2.1 Type

4.18.2.2 Type

4.18.3 Konghong Corporation Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.18.4 Main Business/Business Overview

4.19 Jiakang Electronics

4.19.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.19.2 Piezoelectric Ceramics Product Types, Application and Specification

4.19.2.1 Type

4.19.2.2 Type

4.19.3 Jiakang Electronics Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.19.4 Main Business/Business Overview

4.20 Datong Electronic

4.20.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.20.2 Piezoelectric Ceramics Product Types, Application and Specification

4.20.2.1 Type

4.20.2.2 Type



4.20.3 Datong Electronic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.20.4 Main Business/Business Overview

4.21 Audiowell

4.21.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.21.2 Piezoelectric Ceramics Product Types, Application and Specification

4.21.2.1 Type

4.21.2.2 Type

4.21.3 Audiowell Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.21.4 Main Business/Business Overview

4.22 Honghua Electronic

4.22.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.22.2 Piezoelectric Ceramics Product Types, Application and Specification

4.22.2.1 Type

4.22.2.2 Type

4.22.3 Honghua Electronic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.22.4 Main Business/Business Overview

4.23 Risun Electronic

4.23.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.23.2 Piezoelectric Ceramics Product Types, Application and Specification

4.23.2.1 Type

4.23.2.2 Type

4.23.3 Risun Electronic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.23.4 Main Business/Business Overview

4.24 Yuhai Electronic Ceramic

4.24.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.24.2 Piezoelectric Ceramics Product Types, Application and Specification

4.24.2.1 Type

4.24.2.2 Type

4.24.3 Yuhai Electronic Ceramic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.24.4 Main Business/Business Overview



4.25 PANT

4.25.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

4.25.2 Piezoelectric Ceramics Product Types, Application and Specification

4.25.2.1 Type

4.25.2.2 Type

4.25.3 PANT Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

4.25.4 Main Business/Business Overview

### 5 NORTH AMERICA PIEZOELECTRIC CERAMICS SALES, REVENUE (VALUE) BY COUNTRIES, TYPE AND APPLICATION (2012-2017)

5.1 North America Piezoelectric Ceramics Sales, Revenue and Market Share by Countries (2012-2017)

5.1.1 North America Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)

5.1.2 North America Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

5.1.3 North America Piezoelectric Ceramics Price by Countries (2012-2017)

5.1.4 North America Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

5.1.5 North America Piezoelectric Ceramics Import & Export (2012-2017)

5.2 United States Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

5.2.1 United States Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

5.2.2 United States Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

5.2.3 United States Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

5.2.4 United States Piezoelectric Ceramics Price by Type (2012-2017)

5.2.5 United States Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

5.3 Canada Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

5.3.1 Canada Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

5.3.2 Canada Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

5.3.3 Canada Piezoelectric Ceramics Revenue and Market Share by Type



(2012-2017)

5.3.4 Canada Piezoelectric Ceramics Price by Type (2012-2017)

5.3.5 Canada Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

## 6 LATIN AMERICA PIEZOELECTRIC CERAMICS SALES, REVENUE (VALUE) BY COUNTRIES, TYPE AND APPLICATION (2012-2017)

6.1 Latin America Piezoelectric Ceramics Sales, Revenue and Market Share by Countries (2012-2017)

6.1.1 Latin America Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)

6.1.2 Latin America Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

6.1.3 Latin America Piezoelectric Ceramics Price by Countries (2012-2017)

6.1.4 Latin America Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

6.1.5 Latin America Piezoelectric Ceramics Import & Export (2012-2017)6.2 Mexico Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

- 6.2.1 Mexico Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)
- 6.2.2 Mexico Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)
- 6.2.3 Mexico Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)
- 6.2.4 Mexico Piezoelectric Ceramics Price by Type (2012-2017)

6.2.5 Mexico Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

6.3 Brazil Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

- 6.3.1 Brazil Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)
- 6.3.2 Brazil Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

6.3.3 Brazil Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

6.3.4 Brazil Piezoelectric Ceramics Price by Type (2012-2017)

6.3.5 Brazil Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

## 7 EUROPE PIEZOELECTRIC CERAMICS SALES, REVENUE (VALUE) BY COUNTRIES, TYPE AND APPLICATION (2012-2017)

7.1 Europe Piezoelectric Ceramics Sales, Revenue and Market Share by Countries



(2012-2017)

7.1.1 Europe Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)

7.1.2 Europe Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

7.1.3 Europe Piezoelectric Ceramics Price by Countries (2012-2017)

7.1.4 Europe Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

7.1.5 Europe Piezoelectric Ceramics Import & Export (2012-2017)

7.2 Germany Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

7.2.1 Germany Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

7.2.2 Germany Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

7.2.3 Germany Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

7.2.4 Germany Piezoelectric Ceramics Price by Type (2012-2017)

7.2.5 Germany Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

7.3 France Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

7.3.1 France Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

7.3.2 France Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

7.3.3 France Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

7.3.4 France Piezoelectric Ceramics Price by Type (2012-2017)

7.3.5 France Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

7.4 UK Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

7.4.1 UK Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

7.4.2 UK Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

7.4.3 UK Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

7.4.4 UK Piezoelectric Ceramics Price by Type (2012-2017)

7.4.5 UK Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)7.5 Italy Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

7.5.1 Italy Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

7.5.2 Italy Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

7.5.3 Italy Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

7.5.4 Italy Piezoelectric Ceramics Price by Type (2012-2017)



7.5.5 Italy Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)7.6 Russia Piezoelectric Ceramics Sales, Revenue and Growth, by Type andApplication (2012-2017)

7.6.1 Russia Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

7.6.2 Russia Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

7.6.3 Russia Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

7.6.4 Russia Piezoelectric Ceramics Price by Type (2012-2017)

7.6.5 Russia Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

### 8 ASIA-PACIFIC PIEZOELECTRIC CERAMICS SALES, REVENUE (VALUE) BY COUNTRIES, TYPE AND APPLICATION (2012-2017)

8.1 Asia-Pacific Piezoelectric Ceramics Sales, Revenue and Market Share by Countries (2012-2017)

8.1.1 Asia-Pacific Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)

8.1.2 Asia-Pacific Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

8.1.3 Asia-Pacific Piezoelectric Ceramics Price by Countries (2012-2017)

8.1.4 Asia-Pacific Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

8.1.5 Asia-Pacific Piezoelectric Ceramics Import & Export (2012-2017)

8.2 China Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

8.2.1 China Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

8.2.2 China Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

8.2.3 China Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

8.2.4 China Piezoelectric Ceramics Price by Type (2012-2017)

8.2.5 China Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

8.3 Japan Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

- 8.3.1 Japan Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)
- 8.3.2 Japan Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

8.3.3 Japan Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

8.3.4 Japan Piezoelectric Ceramics Price by Type (2012-2017)

8.3.5 Japan Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)



8.4 Korea Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

8.4.1 Korea Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

8.4.2 Korea Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

8.4.3 Korea Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

8.4.4 Korea Piezoelectric Ceramics Price by Type (2012-2017)

8.4.5 Korea Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

8.5 India Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

8.5.1 India Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

8.5.2 India Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

8.5.3 India Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

8.5.4 India Piezoelectric Ceramics Price by Type (2012-2017)

8.5.5 India Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)8.6 Southeast Asia Piezoelectric Ceramics Sales, Revenue and Growth, by Type and

Application (2012-2017)

8.6.1 Southeast Asia Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

8.6.2 Southeast Asia Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

8.6.3 Southeast Asia Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

8.6.4 Southeast Asia Piezoelectric Ceramics Price by Type (2012-2017)

8.6.5 Southeast Asia Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

### 9 MIDDLE EAST AND AFRICA PIEZOELECTRIC CERAMICS SALES, REVENUE (VALUE) BY COUNTRIES, TYPE AND APPLICATION (2012-2017)

9.1 Middle East and Africa Piezoelectric Ceramics Sales, Revenue and Market Share by Countries (2012-2017)

9.1.1 Middle East and Africa Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)

9.1.2 Middle East and Africa Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

9.1.3 Middle East and Africa Piezoelectric Ceramics Price by Countries (2012-2017)

9.1.4 Middle East and Africa Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)



9.2 Middle East Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

9.2.1 Middle East Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

9.2.2 Middle East Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

9.2.3 Middle East Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

9.2.4 Middle East Piezoelectric Ceramics Price by Type (2012-2017)

9.2.5 Middle East Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

9.3 Africa Piezoelectric Ceramics Sales, Revenue and Growth, by Type and Application (2012-2017)

9.3.1 Africa Piezoelectric Ceramics Sales, Revenue and Growth Rate (2012-2017)

9.3.2 Africa Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

9.3.3 Africa Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

9.3.4 Africa Piezoelectric Ceramics Price by Type (2012-2017)

9.3.5 Africa Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

#### **10 PIEZOELECTRIC CERAMICS MANUFACTURING COST ANALYSIS**

- 10.1 Piezoelectric Ceramics Key Raw Materials Analysis
  - 10.1.1 Key Raw Materials
  - 10.1.2 Price Trend of Key Raw Materials
  - 10.1.3 Key Suppliers of Raw Materials
- 10.1.4 Market Concentration Rate of Raw Materials
- 10.2 Proportion of Manufacturing Cost Structure
  - 10.2.1 Raw Materials
  - 10.2.2 Labor Cost
- 10.2.3 Manufacturing Expenses
- 10.3 Manufacturing Process Analysis of Piezoelectric Ceramics

#### 11 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 11.1 Piezoelectric Ceramics Industrial Chain Analysis
- 11.2 Upstream Raw Materials Sourcing
- 11.3 Raw Materials Sources of Piezoelectric Ceramics Major Manufacturers in 2016
- 11.4 Downstream Buyers



#### 12 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 12.1 Marketing Channel
  - 12.1.1 Direct Marketing
  - 12.1.2 Indirect Marketing
  - 12.1.3 Marketing Channel Development Trend
- 12.2 Market Positioning
  - 12.2.1 Pricing Strategy
- 12.2.2 Brand Strategy
- 12.2.3 Target Client
- 12.3 Distributors/Traders List

#### 13 MARKET EFFECT FACTORS ANALYSIS

- 13.1 Technology Progress/Risk
- 13.1.1 Substitutes Threat
- 13.1.2 Technology Progress in Related Industry
- 13.2 Consumer Needs/Customer Preference Change
- 13.3 Economic/Political Environmental Change

#### 14 GLOBAL PIEZOELECTRIC CERAMICS MARKET FORECAST (2017-2022)

14.1 Global Piezoelectric Ceramics Sales, Revenue Forecast (2017-2022)14.2 Global Piezoelectric Ceramics Sales, Consumption Forecast by Countries (2017-2022)

14.2.1 Global Piezoelectric Ceramics Sales Forecast by Countries (2017-2022)

14.2.2 Global Piezoelectric Ceramics Sales Market Share Forecast by Countries (2017-2022)

14.3 Global Piezoelectric Ceramics Sales and Market Share Forecast by Type (2017-2022)

14.3.1 Global Piezoelectric Ceramics Sales Forecast by Type (2017-2022)

14.3.2 Global Piezoelectric Ceramics Sales Market Share Forecast by Type (2017-2022)

14.4 Global Piezoelectric Ceramics Sales and Market Share Forecast by Application (2017-2022)

14.4.1 Global Piezoelectric Ceramics Sales Forecast by Application (2017-2022) 14.4.2 Global Piezoelectric Ceramics Sales Market Share Forecast by Application (2017-2022)



14.5 Piezoelectric Ceramics Price Forecast (2017-2022)

#### 15 RESEARCH FINDINGS AND CONCLUSION

#### **16 APPENDIX**

16.1 Methodology

16.2 Data Source



## **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Picture of Piezoelectric Ceramics Table Product Specifications of Piezoelectric Ceramics Figure Global Sales Market Share of Piezoelectric Ceramics by Types in 2016 Table Types of Piezoelectric Ceramics Figure Product Picture of Lead zinc titanates(PZT) Table Major Players of Lead zinc titanates(PZT) Figure Product Picture of Lead titanate (PT) Table Major Players of Lead titanate (PT) Figure Product Picture of Lead magnesium niobate (PMN) Table Major Players of Lead magnesium niobate (PMN) **Figure Product Picture of Others** Table Major Players of Others Figure Piezoelectric Ceramics Consumption Market Share by Applications in 2016 Table Applications of Piezoelectric Ceramics Figure Piezoelectric transformer Examples Figure Standard signal source Examples Figure Electro-acoustic transducer Examples Figure Ultrasonic transducer Examples Figure Underwater acoustic transducers Examples Figure Filter Examples Figure Sensing and measurement Examples Figure Nonlinear element Examples Figure United States Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012 - 2022)Figure Canada Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012 - 2022)Figure Germany Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012 - 2022)Figure France Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012 - 2022)Figure UK Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022) Figure Italy Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022) Figure Russia Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012 - 2022)



Figure China Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure Japan Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure India Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure Korea Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure Southeast Asia Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure Australia Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure Brazil Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure Mexico Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure Middle East Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure Africa Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Figure Global Piezoelectric Ceramics Revenue (Million USD) and Growth Rate (2012-2022)

Table Global Piezoelectric Ceramics Sales by Manufacturers in 2016 and 2017 Table Global Piezoelectric Ceramics Sales Market Share (%) by Manufacturers in 2016 and 2017

Figure Global Piezoelectric Ceramics Sales Share by Manufacturers in 2016 Figure Global Piezoelectric Ceramics Sales Share by Manufacturers in 2017 Figure Global Piezoelectric Ceramics Revenue Share by Manufacturers in 2017 Table Global Piezoelectric Ceramics Revenue Market Share (%) by Manufacturers in 2016 and 2017

Figure Global Piezoelectric Ceramics Revenue Share by Manufacturers in 2016 Figure Global Piezoelectric Ceramics Revenue Share by Manufacturers in 2017 Table Global Piezoelectric Ceramics Average Price by Manufacturers in 2016 and 2017 Figure Global Piezoelectric Ceramics Average Price by Manufacturers in 2016 Table Global Piezoelectric Ceramics Manufacturing Base Distribution and Sales Area by Manufacturers

Table Manufacturers Piezoelectric Ceramics Product TypesFigure Piezoelectric Ceramics Market Share of Top 3 ManufacturersFigure Piezoelectric Ceramics Market Share of Top 5 Manufacturers



Table Global Piezoelectric Ceramics Sales by Countries (2012-2017) Table Global Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017) Figure Global Piezoelectric Ceramics Sales Market Share by Countries (2012) Figure Global Piezoelectric Ceramics Sales Market Share by Countries (2016) Table Global Piezoelectric Ceramics Revenue by Countries (2012-2017) Table Global Piezoelectric Ceramics Revenue and Market Share by Countries (2012 - 2017)Figure 2012 Global Piezoelectric Ceramics Revenue Market Share by Countries Figure 2016 Global Piezoelectric Ceramics Revenue Market Share by Countries Table Global Piezoelectric Ceramics Price by Countries (2012-2017) Table Global Piezoelectric Ceramics Sales by Type (2012-2017) Table Global Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure Global Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Global Piezoelectric Ceramics Sales Market Share by Type Table Global Piezoelectric Ceramics Revenue by Type (2012-2017) Table Global Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure Global Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 Global Piezoelectric Ceramics Revenue Market Share by Type Table Global Piezoelectric Ceramics Price by Type (2012-2017) Table Global Piezoelectric Ceramics Sales by Application (2012-2017) Figure 2016 Global Piezoelectric Ceramics Sales Market Share by Application Table Global Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Figure Global Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Table Global Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Table MURATA Basic Information, Manufacturing Base, Sales Area and Its Competitors Table MURATA Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure MURATA Piezoelectric Ceramics Market Share (2012-2017) Table TDK Basic Information, Manufacturing Base, Sales Area and Its Competitors Table TDK Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure TDK Piezoelectric Ceramics Market Share (2012-2017) Table MORGAN Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table MORGAN Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

Figure MORGAN Piezoelectric Ceramics Market Share (2012-2017)



Table TAIYO YUDEN Basic Information, Manufacturing Base, Sales Area and Its Competitors Table TAIYO YUDEN Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure TAIYO YUDEN Piezoelectric Ceramics Market Share (2012-2017) Table KYOCERA Basic Information, Manufacturing Base, Sales Area and Its Competitors Table KYOCERA Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure KYOCERA Piezoelectric Ceramics Market Share (2012-2017) Table CeramTec Basic Information, Manufacturing Base, Sales Area and Its Competitors Table CeramTec Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure CeramTec Piezoelectric Ceramics Market Share (2012-2017) Table PI Ceramic Basic Information, Manufacturing Base, Sales Area and Its Competitors Table PI Ceramic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure PI Ceramic Piezoelectric Ceramics Market Share (2012-2017) Table Exelis Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Exelis Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure Exelis Piezoelectric Ceramics Market Share (2012-2017) Table Sparkler Ceramics Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Sparkler Ceramics Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017) Figure Sparkler Ceramics Piezoelectric Ceramics Market Share (2012-2017) Table KEPO Electronics Basic Information, Manufacturing Base, Sales Area and Its Competitors Table KEPO Electronics Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017) Figure KEPO Electronics Piezoelectric Ceramics Market Share (2012-2017) Table APC International Basic Information, Manufacturing Base, Sales Area and Its Competitors Table APC International Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017) Figure APC International Piezoelectric Ceramics Market Share (2012-2017)



Table TRS Basic Information, Manufacturing Base, Sales Area and Its Competitors Table TRS Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure TRS Piezoelectric Ceramics Market Share (2012-2017) Table Noliac Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Noliac Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure Noliac Piezoelectric Ceramics Market Share (2012-2017) Table SensorTech Basic Information, Manufacturing Base, Sales Area and Its Competitors Table SensorTech Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure SensorTech Piezoelectric Ceramics Market Share (2012-2017) Table Meggitt Sensing Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Meggitt Sensing Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Figure Meggitt Sensing Piezoelectric Ceramics Market Share (2012-2017) Table Johnson Matthey Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Johnson Matthey Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017) Figure Johnson Matthey Piezoelectric Ceramics Market Share (2012-2017) Table Kinetic Ceramics Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Kinetic Ceramics Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017) Figure Kinetic Ceramics Piezoelectric Ceramics Market Share (2012-2017) Table Konghong Corporation Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Konghong Corporation Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017) Figure Konghong Corporation Piezoelectric Ceramics Market Share (2012-2017) Table Jiakang Electronics Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Jiakang Electronics Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017) Figure Jiakang Electronics Piezoelectric Ceramics Market Share (2012-2017) Table Datong Electronic Basic Information, Manufacturing Base, Sales Area and Its



Competitors

Table Datong Electronic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

Figure Datong Electronic Piezoelectric Ceramics Market Share (2012-2017)

Table Audiowell Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Audiowell Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

Figure Audiowell Piezoelectric Ceramics Market Share (2012-2017)

Table Honghua Electronic Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Honghua Electronic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

Figure Honghua Electronic Piezoelectric Ceramics Market Share (2012-2017)

Table Risun Electronic Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Risun Electronic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

Figure Risun Electronic Piezoelectric Ceramics Market Share (2012-2017)

Table Yuhai Electronic Ceramic Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Yuhai Electronic Ceramic Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

Figure Yuhai Electronic Ceramic Piezoelectric Ceramics Market Share (2012-2017) Table PANT Basic Information, Manufacturing Base, Sales Area and Its Competitors Table PANT Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

Figure PANT Piezoelectric Ceramics Market Share (2012-2017)

 Table North America Piezoelectric Ceramics Sales by Countries (2012-2017)

Table North America Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)

Figure North America Piezoelectric Ceramics Sales Market Share by Countries (2012) Figure North America Piezoelectric Ceramics Sales Market Share by Countries (2016) Table North America Piezoelectric Ceramics Revenue by Countries (2012-2017)

Table North America Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

Figure 2012 North America Piezoelectric Ceramics Revenue Market Share by Countries Figure 2016 North America Piezoelectric Ceramics Revenue Market Share by Countries Table North America Piezoelectric Ceramics Price by Countries (2012-2017)

Table North America Market Piezoelectric Ceramics Sales, Revenue, Price and Gross



Margin (2012-2017)

Table North America Piezoelectric Ceramics Import & Export (2012-2017) Figure United States Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure United States Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table United States Piezoelectric Ceramics Sales by Type (2012-2017) Table United States Piezoelectric Ceramics Sales and Market Share by Type (2012 - 2017)Figure United States Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 United States Piezoelectric Ceramics Sales Market Share by Type Table United States Piezoelectric Ceramics Revenue by Type (2012-2017) Table United States Piezoelectric Ceramics Revenue and Market Share by Type (2012 - 2017)Figure United States Piezoelectric Ceramics Revenue Market Share by Type (2012 - 2017)Figure 2016 United States Piezoelectric Ceramics Revenue Market Share by Type Table United States Piezoelectric Ceramics Price by Type (2012-2017) Table United States Piezoelectric Ceramics Sales by Application (2012-2017) Table United States Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Figure United States Piezoelectric Ceramics Sales Market Share by Application (2012 - 2017)Figure 2016 United States Piezoelectric Ceramics Sales Market Share by Application Figure Canada Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure Canada Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table Canada Piezoelectric Ceramics Sales by Type (2012-2017) Table Canada Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure Canada Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Canada Piezoelectric Ceramics Sales Market Share by Type Table Canada Piezoelectric Ceramics Revenue by Type (2012-2017) Table Canada Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure Canada Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 Canada Piezoelectric Ceramics Revenue Market Share by Type Table Canada Piezoelectric Ceramics Price by Type (2012-2017) Table Canada Piezoelectric Ceramics Sales by Application (2012-2017) Table Canada Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Figure Canada Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 Canada Piezoelectric Ceramics Sales Market Share by Application

Table Latin America Piezoelectric Ceramics Sales by Countries (2012-2017)



Table Latin America Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)

Figure Latin America Piezoelectric Ceramics Sales Market Share by Countries (2012) Figure Latin America Piezoelectric Ceramics Sales Market Share by Countries (2016) Table Latin America Piezoelectric Ceramics Revenue by Countries (2012-2017) Table Latin America Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

Figure 2012 Latin America Piezoelectric Ceramics Revenue Market Share by Countries Figure 2016 Latin America Piezoelectric Ceramics Revenue Market Share by Countries Table Latin America Piezoelectric Ceramics Price by Countries (2012-2017) Table Latin America Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

 Table Latin America Piezoelectric Ceramics Import & Export (2012-2017)

Figure Mexico Piezoelectric Ceramics Sales and Growth Rate (2012-2017)

Figure Mexico Piezoelectric Ceramics Revenue and Growth Rate (2012-2017)

Table Mexico Piezoelectric Ceramics Sales by Type (2012-2017)

Table Mexico Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

Figure Mexico Piezoelectric Ceramics Sales Market Share by Type (2012-2017)

Figure 2016 Mexico Piezoelectric Ceramics Sales Market Share by Type

Table Mexico Piezoelectric Ceramics Revenue by Type (2012-2017)

Table Mexico Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

Figure Mexico Piezoelectric Ceramics Revenue Market Share by Type (2012-2017)

Figure 2016 Mexico Piezoelectric Ceramics Revenue Market Share by Type

Table Mexico Piezoelectric Ceramics Price by Type (2012-2017)

Table Mexico Piezoelectric Ceramics Sales by Application (2012-2017)

Table Mexico Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

Figure Mexico Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 Mexico Piezoelectric Ceramics Sales Market Share by Application Figure Brazil Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure Brazil Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table Brazil Piezoelectric Ceramics Sales by Type (2012-2017) Table Brazil Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure Brazil Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Brazil Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Brazil Piezoelectric Ceramics Revenue by Type (2012-2017) Table Brazil Piezoelectric Ceramics Revenue by Type (2012-2017) Table Brazil Piezoelectric Ceramics Revenue by Type (2012-2017) Figure Brazil Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure Brazil Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure Brazil Piezoelectric Ceramics Revenue Market Share by Type (2012-2017)



Table Brazil Piezoelectric Ceramics Price by Type (2012-2017) Table Brazil Piezoelectric Ceramics Sales by Application (2012-2017) Table Brazil Piezoelectric Ceramics Sales and Market Share by Application (2012-2017) Figure Brazil Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 Brazil Piezoelectric Ceramics Sales Market Share by Application Table Europe Piezoelectric Ceramics Sales by Countries (2012-2017) Table Europe Piezoelectric Ceramics Sales and Market Share by Countries (2012 - 2017)Figure Europe Piezoelectric Ceramics Sales Market Share by Countries (2012) Figure Europe Piezoelectric Ceramics Sales Market Share by Countries (2016) Table Europe Piezoelectric Ceramics Revenue by Countries (2012-2017) Table Europe Piezoelectric Ceramics Revenue and Market Share by Countries (2012 - 2017)Figure 2012 Europe Piezoelectric Ceramics Revenue Market Share by Countries Figure 2016 Europe Piezoelectric Ceramics Revenue Market Share by Countries Table Europe Piezoelectric Ceramics Price by Countries (2012-2017) Table Europe Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012 - 2017)Table Europe Piezoelectric Ceramics Import & Export (2012-2017) Figure Germany Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure Germany Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table Germany Piezoelectric Ceramics Sales by Type (2012-2017) Table Germany Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure Germany Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Germany Piezoelectric Ceramics Sales Market Share by Type Table Germany Piezoelectric Ceramics Revenue by Type (2012-2017) Table Germany Piezoelectric Ceramics Revenue and Market Share by Type (2012 - 2017)Figure 2016 Germany Piezoelectric Ceramics Revenue Market Share by Type Table Germany Piezoelectric Ceramics Price by Type (2012-2017) Table Germany Piezoelectric Ceramics Sales by Application (2012-2017) Table Germany Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Table Germany Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Figure Germany Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 Germany Piezoelectric Ceramics Sales Market Share by Application

Figure France Piezoelectric Ceramics Sales and Growth Rate (2012-2017)

Figure France Piezoelectric Ceramics Revenue and Growth Rate (2012-2017)



Table France Piezoelectric Ceramics Sales by Type (2012-2017) Table France Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure France Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 France Piezoelectric Ceramics Sales Market Share by Type Table France Piezoelectric Ceramics Revenue by Type (2012-2017) Table France Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure France Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 France Piezoelectric Ceramics Revenue Market Share by Type Table France Piezoelectric Ceramics Price by Type (2012-2017) Table France Piezoelectric Ceramics Sales by Application (2012-2017) Table France Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Figure France Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 France Piezoelectric Ceramics Sales Market Share by Application Figure UK Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure UK Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table UK Piezoelectric Ceramics Sales by Type (2012-2017) Table UK Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure UK Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 UK Piezoelectric Ceramics Sales Market Share by Type Table UK Piezoelectric Ceramics Revenue by Type (2012-2017) Table UK Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure UK Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 UK Piezoelectric Ceramics Revenue Market Share by Type Table UK Piezoelectric Ceramics Price by Type (2012-2017) Table UK Piezoelectric Ceramics Sales by Application (2012-2017) Table UK Piezoelectric Ceramics Sales and Market Share by Application (2012-2017) Figure UK Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 UK Piezoelectric Ceramics Sales Market Share by Application Figure Italy Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure Italy Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table Italy Piezoelectric Ceramics Sales by Type (2012-2017) Table Italy Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure Italy Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Italy Piezoelectric Ceramics Sales Market Share by Type Table Italy Piezoelectric Ceramics Revenue by Type (2012-2017) Table Italy Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure Italy Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 Italy Piezoelectric Ceramics Revenue Market Share by Type



Table Italy Piezoelectric Ceramics Price by Type (2012-2017) Table Italy Piezoelectric Ceramics Sales by Application (2012-2017) Table Italy Piezoelectric Ceramics Sales and Market Share by Application (2012-2017) Figure Italy Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 Italy Piezoelectric Ceramics Sales Market Share by Application Figure Russia Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure Russia Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table Russia Piezoelectric Ceramics Sales by Type (2012-2017) Table Russia Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure Russia Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Russia Piezoelectric Ceramics Sales Market Share by Type Table Russia Piezoelectric Ceramics Revenue by Type (2012-2017) Table Russia Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure Russia Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 Russia Piezoelectric Ceramics Revenue Market Share by Type Table Russia Piezoelectric Ceramics Price by Type (2012-2017) Table Russia Piezoelectric Ceramics Sales by Application (2012-2017) Table Russia Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Figure Russia Piezoelectric Ceramics Sales Market Share by Application (2012-2017)

Figure Russia Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 Russia Piezoelectric Ceramics Sales Market Share by Application Table Asia-Pacific Piezoelectric Ceramics Sales by Countries (2012-2017) Table Asia-Pacific Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)

Figure Asia-Pacific Piezoelectric Ceramics Sales Market Share by Countries (2012) Figure Asia-Pacific Piezoelectric Ceramics Sales Market Share by Countries (2016) Table Asia-Pacific Piezoelectric Ceramics Revenue by Countries (2012-2017) Table Asia-Pacific Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

Figure 2012 Asia-Pacific Piezoelectric Ceramics Revenue Market Share by Countries Figure 2016 Asia-Pacific Piezoelectric Ceramics Revenue Market Share by Countries Table Asia-Pacific Piezoelectric Ceramics Price by Countries (2012-2017)

Table Asia-Pacific Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

 Table Asia-Pacific Piezoelectric Ceramics Import & Export (2012-2017)

Figure China Piezoelectric Ceramics Sales and Growth Rate (2012-2017)

Figure China Piezoelectric Ceramics Revenue and Growth Rate (2012-2017)

Table China Piezoelectric Ceramics Sales by Type (2012-2017)

Table China Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)



Figure China Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 China Piezoelectric Ceramics Sales Market Share by Type Table China Piezoelectric Ceramics Revenue by Type (2012-2017) Table China Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure China Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 China Piezoelectric Ceramics Revenue Market Share by Type Table China Piezoelectric Ceramics Price by Type (2012-2017) Table China Piezoelectric Ceramics Sales by Application (2012-2017) Table China Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Figure China Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 China Piezoelectric Ceramics Sales Market Share by Application Figure Japan Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure Japan Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table Japan Piezoelectric Ceramics Sales by Type (2012-2017) Table Japan Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure Japan Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Japan Piezoelectric Ceramics Sales Market Share by Type Table Japan Piezoelectric Ceramics Revenue by Type (2012-2017) Table Japan Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure Japan Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 Japan Piezoelectric Ceramics Revenue Market Share by Type Table Japan Piezoelectric Ceramics Price by Type (2012-2017) Table Japan Piezoelectric Ceramics Sales by Application (2012-2017) Table Japan Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Figure Japan Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 Japan Piezoelectric Ceramics Sales Market Share by Application Figure Korea Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure Korea Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table Korea Piezoelectric Ceramics Sales by Type (2012-2017) Table Korea Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure Korea Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Korea Piezoelectric Ceramics Sales Market Share by Type Table Korea Piezoelectric Ceramics Revenue by Type (2012-2017) Table Korea Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure Korea Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 Korea Piezoelectric Ceramics Revenue Market Share by Type Table Korea Piezoelectric Ceramics Price by Type (2012-2017)



Table Korea Piezoelectric Ceramics Sales by Application (2012-2017) Table Korea Piezoelectric Ceramics Sales and Market Share by Application (2012 - 2017)Figure Korea Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 Korea Piezoelectric Ceramics Sales Market Share by Application Figure India Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure India Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table India Piezoelectric Ceramics Sales by Type (2012-2017) Table India Piezoelectric Ceramics Sales and Market Share by Type (2012-2017) Figure India Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 India Piezoelectric Ceramics Sales Market Share by Type Table India Piezoelectric Ceramics Revenue by Type (2012-2017) Table India Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017) Figure India Piezoelectric Ceramics Revenue Market Share by Type (2012-2017) Figure 2016 India Piezoelectric Ceramics Revenue Market Share by Type Table India Piezoelectric Ceramics Price by Type (2012-2017) Table India Piezoelectric Ceramics Sales by Application (2012-2017) Table India Piezoelectric Ceramics Sales and Market Share by Application (2012-2017) Figure India Piezoelectric Ceramics Sales Market Share by Application (2012-2017) Figure 2016 India Piezoelectric Ceramics Sales Market Share by Application Figure Southeast Asia Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure Southeast Asia Piezoelectric Ceramics Revenue and Growth Rate (2012-2017) Table Southeast Asia Piezoelectric Ceramics Sales by Type (2012-2017) Table Southeast Asia Piezoelectric Ceramics Sales and Market Share by Type (2012 - 2017)Figure Southeast Asia Piezoelectric Ceramics Sales Market Share by Type (2012-2017) Figure 2016 Southeast Asia Piezoelectric Ceramics Sales Market Share by Type Table Southeast Asia Piezoelectric Ceramics Revenue by Type (2012-2017) Table Southeast Asia Piezoelectric Ceramics Revenue and Market Share by Type (2012 - 2017)Figure Southeast Asia Piezoelectric Ceramics Revenue Market Share by Type (2012 - 2017)

Figure 2016 Southeast Asia Piezoelectric Ceramics Revenue Market Share by Type Table Southeast Asia Piezoelectric Ceramics Price by Type (2012-2017)

Table Southeast Asia Piezoelectric Ceramics Sales by Application (2012-2017) Table Southeast Asia Piezoelectric Ceramics Sales and Market Share by Application (2012-2017)

Figure Southeast Asia Piezoelectric Ceramics Sales Market Share by Application (2012-2017)



Figure 2016 Southeast Asia Piezoelectric Ceramics Sales Market Share by Application Table Middle East and Africa Piezoelectric Ceramics Sales by Countries (2012-2017)

Table Middle East and Africa Piezoelectric Ceramics Sales and Market Share by Countries (2012-2017)

Figure Middle East and Africa Piezoelectric Ceramics Sales Market Share by Countries (2012)

Figure Middle East and Africa Piezoelectric Ceramics Sales Market Share by Countries (2016)

Table Middle East and Africa Piezoelectric Ceramics Revenue by Countries (2012-2017)

Table Middle East and Africa Piezoelectric Ceramics Revenue and Market Share by Countries (2012-2017)

Figure 2012 Middle East and Africa Piezoelectric Ceramics Revenue Market Share by Countries

Figure 2016 Middle East and Africa Piezoelectric Ceramics Revenue Market Share by Countries

Table Middle East and Africa Piezoelectric Ceramics Price by Countries (2012-2017) Table Middle East and Africa Market Piezoelectric Ceramics Sales, Revenue, Price and Gross Margin (2012-2017)

Figure Middle East Piezoelectric Ceramics Sales and Growth Rate (2012-2017) Figure Middle East Piezoelectric Ceramics Revenue and Growth Rate (2012-2017)

Table Middle East Piezoelectric Ceramics Sales by Type (2012-2017)

Table Middle East Piezoelectric Ceramics Sales and Market Share by Type (2012-2017)

Figure Middle East Piezoelectric Ceramics Sales Market Share by Type (2012-2017)

Figure 2016 Middle East Piezoelectric Ceramics Sales Market Share by Type

Table Middle East Piezoelectric Ceramics Revenue by Type (2012-2017)

Table Middle East Piezoelectric Ceramics Revenue and Market Share by Type (2012-2017)

Figure Middle East Pi



#### I would like to order

Product name: 2017-2022 Global Top Countries Piezoelectric Ceramics Market Report Product link: <u>https://marketpublishers.com/r/2F208FD733DEN.html</u>

> Price: US\$ 4,960.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: <u>info@marketpublishers.com</u>

#### Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/2F208FD733DEN.html</u>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name: Last name: Email: Company: Address: City: Zip code: Country: Tel: Fax: Your message:

\*\*All fields are required

Custumer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <u>https://marketpublishers.com/docs/terms.html</u>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970