

# North America Piezoelectric Materials Market Analysis (2017-2023)

<https://marketpublishers.com/r/N8014F04346EN.html>

Date: February 2018

Pages: 72

Price: US\$ 1,500.00 (Single User License)

ID: N8014F04346EN

## Abstracts

The North America Piezoelectric Materials Market would witness market growth of 3.4% CAGR during the forecast period (2017 – 2023). Piezoelectric materials are highly agile, can change shape and are highly stiff when exposed to mechanical stress. Therefore, these materials are majorly used in wide range of electronic goods such as actuators, sensors, transducers, SONAR, generators and motors. The implementation of automation systems has been a vital step that has reduced the operational cost during production. Growing need for automation in the manufacturing sector, as a tool for increasing efficiency and reducing lead time would lead to the adoption of actuators, as a result, driving the demand for piezoelectric materials during the forecast period. Growing demand for polyvinylidene fluoride (PVDF) as an electro active polymer material with low piezoelectric coefficient as compared to other ceramic products would influence the adoption in hydrophones, clamp-on transducers and pressure-based sensors for diesel injection lines.

Based on End User, the market is segmented into Consumer Goods, Automotive, IT & Telecom, Healthcare, Aerospace & Defense, and Others. Based on Product Type, the market report segments the market into Ceramics, Polymers, Composites, and Others. Based on Application, the market report segments the market into Actuators, Sensors, Motors, Acoustic Devices, Generators, SONAR, Transducers, and Others. Based on Countries, the Piezoelectric Materials market segments the market into US, Mexico, Canada, and Rest of North America.

The market research report covers the competition analysis of key stake holders of the North America Piezoelectric Materials Market. Key companies profiled in the report include APC International, Ltd., PI Ceramic, Harris Corporation, Morgan Advanced Materials, Piezosystem Jena, CeramTec, Sparkler Ceramics Pvt. Ltd, CTS Corporation

(Noliac A/S), Piezomechanik Dr. Lutz Pickelmann GmbH, and Mad City Labs,  
Inc.

## Contents

### **CHAPTER 1. MARKET SCOPE & METHODOLOGY**

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
  - 1.4.1 North America Piezoelectric Materials Market, by End User
  - 1.4.2 North America Piezoelectric Materials Market, by Product Type
  - 1.4.3 North America Piezoelectric Materials Market, by Application
  - 1.4.4 North America Piezoelectric Materials Market, by Country
- 1.5 Methodology for the research

### **CHAPTER 2. MARKET OVERVIEW**

- 2.1 Introduction
- 2.2 Drivers, and Restraints
  - 2.2.1 Market Drivers
  - 2.2.2 Market Restraints

### **CHAPTER 3. NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET**

- 3.1 North America Piezoelectric Materials Market by End User
  - 3.1.1 North America Piezoelectric Materials in Consumer Goods Market by Country
  - 3.1.2 North America Piezoelectric Materials in Automotive Market by Country
  - 3.1.3 North America Piezoelectric Materials in IT & Telecom Market by Country
  - 3.1.4 North America Piezoelectric Materials in Healthcare Market by Country
  - 3.1.5 North America Piezoelectric Materials in Aerospace & Defense Market by Country
  - 3.1.6 North America Piezoelectric Materials in Other End User Market by Country

### **CHAPTER 4. NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE**

- 4.1 Introduction
  - 4.1.1 North America Ceramics Piezoelectric Materials Market by Country
  - 4.1.2 North America Polymers Piezoelectric Materials Market by Country
  - 4.1.3 North America Composites Piezoelectric Materials Market by Country

#### 4.1.4 North America Others Piezoelectric Materials Market by Country

## **CHAPTER 5. NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY APPLICATION**

### 5.1 Introduction

5.1.1 North America Piezoelectric Materials in Actuators Market by Country

5.1.2 North America Piezoelectric Materials in Sensors Market by Country

5.1.3 North America Piezoelectric Materials in Motors Market by Country

5.1.4 North America Piezoelectric Materials in Acoustic Devices Market by Country

5.1.5 North America Piezoelectric Materials in Generators Market by Country

5.1.6 North America Piezoelectric Materials in SONAR Market by Country

5.1.7 North America Piezoelectric Materials in Transducers Market by Country

5.1.8 North America Piezoelectric Materials in Others Market by Country

## **CHAPTER 6. NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY COUNTRY**

### 6.1 Introduction

#### 6.2 US Piezoelectric Materials Market

6.2.1 US Piezoelectric Materials Market by End User

6.2.2 US Piezoelectric Materials Market by Product Type

6.2.3 US Piezoelectric Materials Market by Application

#### 6.3 Canada Piezoelectric Materials Market

6.3.1 Canada Piezoelectric Materials Market by End User

6.3.2 Canada Piezoelectric Materials Market by Product Type

6.3.3 Canada Piezoelectric Materials Market by Application

#### 6.4 Mexico Piezoelectric Materials Market

6.4.1 Mexico Piezoelectric Materials Market by End User

6.4.2 Mexico Piezoelectric Materials Market by Product Type

6.4.3 Mexico Piezoelectric Materials Market by Application

#### 6.5 Rest of North America Piezoelectric Materials Market

6.5.1 Rest of North America Piezoelectric Materials Market by End User

6.5.2 Rest of North America Piezoelectric Materials Market by Product Type

6.5.3 Rest of North America Piezoelectric Materials Market by Application

## **CHAPTER 7. COMPANY PROFILES**

### 7.1 CTS Corporation (Noliac A/S)

- 7.1.1 Company Overview
- 7.1.2 Financial Analysis
- 7.1.3 Regional Analysis
- 7.1.4 Research & Development Expense
- 7.1.5 Strategies at a Glance
  - 7.1.5.1 Product Launch
- 7.2 CeramTec
  - 7.2.1 Company Overview
  - 7.2.2 Financial Analysis
  - 7.2.3 Segmental and Regional Analysis
  - 7.2.4 Research & Development Expense
- 7.3 Harris Corporation
  - 7.3.1 Company Overview
  - 7.3.2 Financial Analysis
  - 7.3.3 Regional Analysis
  - 7.3.4 Research & Development Expense
- 7.4 APC International, Ltd.
  - 7.4.1 Company Overview
- 7.5 PI Ceramic
  - 7.5.1 Company Overview
  - 7.5.2 Strategies at a Glance
    - 7.5.2.1 Product Launch
    - 7.5.2.2 Mergers & Acquisitions
- 7.6 Morgan Advanced Materials
  - 7.6.1 Company Overview
  - 7.6.2 Financial Analysis
  - 7.6.3 Segmental and Regional Analysis
  - 7.6.4 Research & Development Expense
- 7.7 Piezosystem Jena
  - 7.7.1 Company Overview
- 7.8 Sparkler Ceramics Pvt. Ltd.
  - 7.8.1 Company Overview
- 7.9 Piezomechanik Dr. Lutz Pickelmann GmbH
  - 7.9.1 Company Overview
- 7.1 Mad City Labs, Inc.
  - 7.10.1 Company Overview

## List Of Tables

### LIST OF TABLES

TABLE 1 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 2 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 3 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY END USER, 2013 - 2016, USD MILLION

TABLE 4 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY END USER, 2017 - 2023, USD MILLION

TABLE 5 NORTH AMERICA PIEZOELECTRIC MATERIALS IN CONSUMER GOODS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 6 NORTH AMERICA PIEZOELECTRIC MATERIALS IN CONSUMER GOODS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 7 NORTH AMERICA PIEZOELECTRIC MATERIALS IN AUTOMOTIVE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 8 NORTH AMERICA PIEZOELECTRIC MATERIALS IN AUTOMOTIVE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 9 NORTH AMERICA PIEZOELECTRIC MATERIALS IN IT & TELECOM MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 10 NORTH AMERICA PIEZOELECTRIC MATERIALS IN IT & TELECOM MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 11 NORTH AMERICA PIEZOELECTRIC MATERIALS IN HEALTHCARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 12 NORTH AMERICA PIEZOELECTRIC MATERIALS IN HEALTHCARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 13 NORTH AMERICA PIEZOELECTRIC MATERIALS IN AEROSPACE & DEFENSE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 14 NORTH AMERICA PIEZOELECTRIC MATERIALS IN AEROSPACE & DEFENSE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 15 NORTH AMERICA PIEZOELECTRIC MATERIALS IN OTHER END USER MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 16 NORTH AMERICA PIEZOELECTRIC MATERIALS IN OTHER END USER MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 17 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE, 2013 - 2016, USD MILLION

TABLE 18 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY PRODUCT

TYPE, 2017 - 2023, USD MILLION

TABLE 19 NORTH AMERICA CERAMICS PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 20 NORTH AMERICA CERAMICS PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 21 NORTH AMERICA POLYMERS PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 22 NORTH AMERICA POLYMERS PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 23 NORTH AMERICA COMPOSITES PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 24 NORTH AMERICA COMPOSITES PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 25 NORTH AMERICA OTHERS PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 26 NORTH AMERICA OTHERS PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 27 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 28 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 29 NORTH AMERICA PIEZOELECTRIC MATERIALS IN ACTUATORS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 30 NORTH AMERICA PIEZOELECTRIC MATERIALS IN ACTUATORS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 31 NORTH AMERICA PIEZOELECTRIC MATERIALS IN SENSORS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 32 NORTH AMERICA PIEZOELECTRIC MATERIALS IN SENSORS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 33 NORTH AMERICA PIEZOELECTRIC MATERIALS IN MOTORS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 34 NORTH AMERICA PIEZOELECTRIC MATERIALS IN MOTORS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 35 NORTH AMERICA PIEZOELECTRIC MATERIALS IN ACOUSTIC DEVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 36 NORTH AMERICA PIEZOELECTRIC MATERIALS IN ACOUSTIC DEVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 37 NORTH AMERICA PIEZOELECTRIC MATERIALS IN GENERATORS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 38 NORTH AMERICA PIEZOELECTRIC MATERIALS IN GENERATORS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 39 NORTH AMERICA PIEZOELECTRIC MATERIALS IN SONAR MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 40 NORTH AMERICA PIEZOELECTRIC MATERIALS IN SONAR MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 41 NORTH AMERICA PIEZOELECTRIC MATERIALS IN TRANSDUCERS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 42 NORTH AMERICA PIEZOELECTRIC MATERIALS IN TRANSDUCERS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 43 NORTH AMERICA PIEZOELECTRIC MATERIALS IN OTHERS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 44 NORTH AMERICA PIEZOELECTRIC MATERIALS IN OTHERS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 45 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

TABLE 46 NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

TABLE 47 US PIEZOELECTRIC MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 48 US PIEZOELECTRIC MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 49 US PIEZOELECTRIC MATERIALS MARKET BY END USER, 2013 - 2016, USD MILLION

TABLE 50 US PIEZOELECTRIC MATERIALS MARKET BY END USER, 2017 - 2023, USD MILLION

TABLE 51 US PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE, 2013 - 2016, USD MILLION

TABLE 52 US PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE, 2017 - 2023, USD MILLION

TABLE 53 US PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 54 US PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 55 CANADA PIEZOELECTRIC MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 56 CANADA PIEZOELECTRIC MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 57 CANADA PIEZOELECTRIC MATERIALS MARKET BY END USER, 2013 - 2016, USD MILLION

TABLE 58 CANADA PIEZOELECTRIC MATERIALS MARKET BY END USER, 2017 -



2023, USD MILLION

TABLE 59 CANADA PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE, 2013 - 2016, USD MILLION

TABLE 60 CANADA PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE, 2017 - 2023, USD MILLION

TABLE 61 CANADA PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 62 CANADA PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 63 MEXICO PIEZOELECTRIC MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 64 MEXICO PIEZOELECTRIC MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 65 MEXICO PIEZOELECTRIC MATERIALS MARKET BY END USER, 2013 - 2016, USD MILLION

TABLE 66 MEXICO PIEZOELECTRIC MATERIALS MARKET BY END USER, 2017 - 2023, USD MILLION

TABLE 67 MEXICO PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE, 2013 - 2016, USD MILLION

TABLE 68 MEXICO PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE, 2017 - 2023, USD MILLION

TABLE 69 MEXICO PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 70 MEXICO PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 71 REST OF NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET, 2013 - 2016, USD MILLION

TABLE 72 REST OF NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET, 2017 - 2023, USD MILLION

TABLE 73 REST OF NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY END USER, 2013 - 2016, USD MILLION

TABLE 74 REST OF NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY END USER, 2017 - 2023, USD MILLION

TABLE 75 REST OF NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE, 2013 - 2016, USD MILLION

TABLE 76 REST OF NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY PRODUCT TYPE, 2017 - 2023, USD MILLION

TABLE 77 REST OF NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2013 - 2016, USD MILLION

TABLE 78 REST OF NORTH AMERICA PIEZOELECTRIC MATERIALS MARKET BY APPLICATION, 2017 - 2023, USD MILLION

TABLE 79 KEY INFORMATION – CTS CORPORATION (NOLIAQ A/S)

TABLE 80 KEY INFORMATION – CERAMTEC

TABLE 81 KEY INFORMATION – HARRIS CORPORATION

TABLE 82 KEY INFORMATION – APC INTERNATIONAL, LTD.

TABLE 83 KEY INFORMATION – PI CERAMIC

TABLE 84 KEY INFORMATION – MORGAN ADVANCED MATERIALS

TABLE 85 KEY INFORMATION – PIEZOSYSTEM JENA

TABLE 86 KEY INFORMATION – SPARKLER CERAMICS PVT. LTD.

TABLE 87 KEY INFORMATION – PIEZOMECHANIK DR. LUTZ PICKELMANN GMBH

TABLE 88 KEY INFORMATION – MAD CITY LABS, INC.

## I would like to order

Product name: North America Piezoelectric Materials Market Analysis (2017-2023)

Product link: <https://marketpublishers.com/r/N8014F04346EN.html>

Price: US\$ 1,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N8014F04346EN.html>

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**

Customer signature \_\_\_\_\_

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

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