

# North America Electrostatic Chucks (ESCs) Market by Manufacturers, Countries, Type and Application, Forecast to 2022

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## Abstracts

The Electrostatic Chucks (ESC) is a tool that clamps an object with the force generated between the electrode and the object by applying a voltage to the electrode. There are two different types of electrostatic clamping methods. One is Coulomb force type that utilizes an insulator as a dielectric material, and the other is Johnson-Rahbek force type that utilizes an attractive force induced by dielectric polarization caused by minute electric current flow across the boundary between an object and a dielectric material. ESCs which are widely used for wafer processing (etching, CVD, PVD, Ashing), FPD Process etc.

Scope of the Report:

This report focuses on the Electrostatic Chucks (ESCs) in North America market, especially in United States, Canada and Mexico. This report categorizes the market based on manufacturers, countries, type and application.

Market Segment by Manufacturers, this report covers

SHINKO

TOTO

Creative Technology Corporation

Kyocera

## FM Industries

NTK CERATEC

Tsukuba Seiko

Applied Materials

II-VI M Cubed

## Market Segment by Countries, covering

United States

Canada

Mexico

## Market Segment by Type, covers

Coulomb Type Electrostatic Chucks

Johnsen-Rahbek (JR) Type Electrostatic Chucks

## Market Segment by Applications, can be divided into

There are 15 Chapters to deeply display the North America Electrostatic Chucks (ESCs) market.

Chapter 1, to describe Electrostatic Chucks (ESCs) Introduction, product type and application, market overview, market analysis by countries, market opportunities, market risk, market driving force;

Chapter 2, to analyze the manufacturers of Electrostatic Chucks (ESCs), with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

Chapter 4, to show the North America market by countries, covering United States, Canada and Mexico, with sales, revenue and market share of Electrostatic Chucks (ESCs), for each country, from 2012 to 2017;

Chapter 5 and 6, to show the market by type and application, with sales, price, revenue, market share and growth rate by type, application, from 2012 to 2017;

Chapter 7, 8 and 9, to analyze the segment market in United States, Canada and Mexico, by manufacturers, type and application, with sales, price, revenue and market share by manufacturers, types and applications;

Chapter 10, Electrostatic Chucks (ESCs) market forecast, by countries, type and application, with sales, price and revenue, from 2017 to 2022;

Chapter 11, to analyze the manufacturing cost, key raw materials and manufacturing process etc.

Chapter 12, to analyze the industrial chain, sourcing strategy and downstream end users (buyers);

Chapter 13, to describe sales channel, distributors, traders, dealers etc.

Chapter 14 and 15, to describe Electrostatic Chucks (ESCs) Research Findings and Conclusion, Appendix, methodology and data source

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