

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Electrostatic Chucks (ESCs) Market 2018, Forecast to 2023

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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 global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Currently, the Electrostatic Chucks (ESCs) industry is dominated by Japan and USA companies. Especially, Japan companies master the mature technology. Many countries and Region need import from Japan. Such as China, Southeast Asia etc. SHINKO, TOTO and Creative Technology Corporation the top three production value share spots in the Electrostatic Chucks (ESCs) market in 2017. SHINKO dominated with 43.83% production value, followed by TOTO with 17.09% production value share and Creative Technology Corporation with 8.87% production value share. Semiconductor manufacturing equipment industry has a greater impact on the demand for electrostatic chuck. With the huge investment in the semiconductor industry, we are optimistic about the future of the electrostatic chuck industry.

The worldwide market for Electrostatic Chucks (ESCs) is expected to grow at a CAGR of roughly 5.6% over the next five years, will reach 290 million US\$ in 2023, from 210 million US\$ in 2017, according to a new GIR (Global Info Research) study.

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 Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

*Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Electrostatic Chucks (ESCs...*

Colulomb Type Electrostatic Chukcs

Johnsen-Rahbek(JR) Type Electrostatic Chucks

Market Segment by Applications, can be divided into

Semiconductor (LCD/CVD)

Wireless Communications

Electronics

Medical

Others

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

Chapter 1, to describe Electrostatic Chucks (ESCs) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Electrostatic Chucks (ESCs), with sales, revenue, and price of Electrostatic Chucks (ESCs), in 2016 and 2017;

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

Chapter 4, to show the global market by regions, with sales, revenue and market share of Electrostatic Chucks (ESCs), for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Electrostatic Chucks (ESCs) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Electrostatic Chucks (ESCs) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

## Contents

### 1 MARKET OVERVIEW

- 1.1 Electrostatic Chucks (ESCs) Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 Colulomb Type Electrostatic Chukcs
  - 1.2.2 Johnsen-Rahbek(JR) Type Electrostatic Chucks
- 1.3 Market Analysis by Applications
  - 1.3.1 Semiconductor (LCD/CVD)
  - 1.3.2 Wireless Communications
  - 1.3.3 Electronics
  - 1.3.4 Medical
  - 1.3.5 Others
- 1.4 Market Analysis by Regions
  - 1.4.1 North America (United States, Canada and Mexico)
    - 1.4.1.1 United States Market States and Outlook (2013-2023)
    - 1.4.1.2 Canada Market States and Outlook (2013-2023)
    - 1.4.1.3 Mexico Market States and Outlook (2013-2023)
  - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
    - 1.4.2.1 Germany Market States and Outlook (2013-2023)
    - 1.4.2.2 France Market States and Outlook (2013-2023)
    - 1.4.2.3 UK Market States and Outlook (2013-2023)
    - 1.4.2.4 Russia Market States and Outlook (2013-2023)
    - 1.4.2.5 Italy Market States and Outlook (2013-2023)
  - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
    - 1.4.3.1 China Market States and Outlook (2013-2023)
    - 1.4.3.2 Japan Market States and Outlook (2013-2023)
    - 1.4.3.3 Korea Market States and Outlook (2013-2023)
    - 1.4.3.4 India Market States and Outlook (2013-2023)
    - 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
  - 1.4.4 South America, Middle East and Africa
    - 1.4.4.1 Brazil Market States and Outlook (2013-2023)
    - 1.4.4.2 Egypt Market States and Outlook (2013-2023)
    - 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
    - 1.4.4.4 South Africa Market States and Outlook (2013-2023)
    - 1.4.4.5 Nigeria Market States and Outlook (2013-2023)
- 1.5 Market Dynamics
  - 1.5.1 Market Opportunities

1.5.2 Market Risk

1.5.3 Market Driving Force

## **2 MANUFACTURERS PROFILES**

### **2.1 SHINKO**

2.1.1 Business Overview

2.1.1.1 SHINKO Description

2.1.1.2 SHINKO Headquarter, Main Business and Finance Overview

2.1.2 SHINKO Electrostatic Chucks (ESCs) Product Introduction

2.1.2.1 Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

2.1.2.2 Electrostatic Chucks (ESCs) Product Information

2.1.3 SHINKO Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.1 SHINKO Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.2 Global SHINKO Electrostatic Chucks (ESCs) Market Share in 2017

### **2.2 TOTO**

2.2.1 Business Overview

2.2.1.1 TOTO Description

2.2.1.2 TOTO Headquarter, Main Business and Finance Overview

2.2.2 TOTO Electrostatic Chucks (ESCs) Product Introduction

2.2.2.1 Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

2.2.2.2 Electrostatic Chucks (ESCs) Product Information

2.2.3 TOTO Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.1 TOTO Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.2 Global TOTO Electrostatic Chucks (ESCs) Market Share in 2017

### **2.3 Creative Technology Corporation**

2.3.1 Business Overview

2.3.1.1 Creative Technology Corporation Description

2.3.1.2 Creative Technology Corporation Headquarter, Main Business and Finance Overview

2.3.2 Creative Technology Corporation Electrostatic Chucks (ESCs) Product Introduction

2.3.2.1 Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major

## Competitors

### 2.3.2.2 Electrostatic Chucks (ESCs) Product Information

### 2.3.3 Creative Technology Corporation Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.3.3.1 Creative Technology Corporation Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.3.3.2 Global Creative Technology Corporation Electrostatic Chucks (ESCs) Market Share in 2017

## 2.4 Kyocera

### 2.4.1 Business Overview

#### 2.4.1.1 Kyocera Description

#### 2.4.1.2 Kyocera Headquarter, Main Business and Finance Overview

### 2.4.2 Kyocera Electrostatic Chucks (ESCs) Product Introduction

#### 2.4.2.1 Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major

## Competitors

### 2.4.2.2 Electrostatic Chucks (ESCs) Product Information

### 2.4.3 Kyocera Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.4.3.1 Kyocera Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.4.3.2 Global Kyocera Electrostatic Chucks (ESCs) Market Share in 2017

## 2.5 FM Industries

### 2.5.1 Business Overview

#### 2.5.1.1 FM Industries Description

#### 2.5.1.2 FM Industries Headquarter, Main Business and Finance Overview

### 2.5.2 FM Industries Electrostatic Chucks (ESCs) Product Introduction

#### 2.5.2.1 Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major

## Competitors

### 2.5.2.2 Electrostatic Chucks (ESCs) Product Information

### 2.5.3 FM Industries Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.5.3.1 FM Industries Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.5.3.2 Global FM Industries Electrostatic Chucks (ESCs) Market Share in 2017

## 2.6 NTK CERATEC

### 2.6.1 Business Overview

#### 2.6.1.1 NTK CERATEC Description

#### 2.6.1.2 NTK CERATEC Headquarter, Main Business and Finance Overview

### 2.6.2 NTK CERATEC Electrostatic Chucks (ESCs) Product Introduction



2.6.2.1 Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

2.6.2.2 Electrostatic Chucks (ESCs) Product Information

2.6.3 NTK CERATEC Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.1 NTK CERATEC Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.2 Global NTK CERATEC Electrostatic Chucks (ESCs) Market Share in 2017

2.7 Tsukuba Seiko

2.7.1 Business Overview

2.7.1.1 Tsukuba Seiko Description

2.7.1.2 Tsukuba Seiko Headquarter, Main Business and Finance Overview

2.7.2 Tsukuba Seiko Electrostatic Chucks (ESCs) Product Introduction

2.7.2.1 Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

2.7.2.2 Electrostatic Chucks (ESCs) Product Information

2.7.3 Tsukuba Seiko Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.1 Tsukuba Seiko Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.2 Global Tsukuba Seiko Electrostatic Chucks (ESCs) Market Share in 2017

2.8 Applied Materials

2.8.1 Business Overview

2.8.1.1 Applied Materials Description

2.8.1.2 Applied Materials Headquarter, Main Business and Finance Overview

2.8.2 Applied Materials Electrostatic Chucks (ESCs) Product Introduction

2.8.2.1 Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

2.8.2.2 Electrostatic Chucks (ESCs) Product Information

2.8.3 Applied Materials Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.1 Applied Materials Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.2 Global Applied Materials Electrostatic Chucks (ESCs) Market Share in 2017

2.9 II-VI M Cubed

2.9.1 Business Overview

2.9.1.1 II-VI M Cubed Description

2.9.1.2 II-VI M Cubed Headquarter, Main Business and Finance Overview

2.9.2 II-VI M Cubed Electrostatic Chucks (ESCs) Product Introduction



2.9.2.1 Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

2.9.2.2 Electrostatic Chucks (ESCs) Product Information

2.9.3 II-VI M Cubed Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.1 II-VI M Cubed Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.2 Global II-VI M Cubed Electrostatic Chucks (ESCs) Market Share in 2017

### **3 GLOBAL ELECTROSTATIC CHUCKS (ESCS) MARKET COMPETITION, BY MANUFACTURER**

3.1 Global Electrostatic Chucks (ESCs) Sales and Market Share by Manufacturer (2016-2017)

3.2 Global Electrostatic Chucks (ESCs) Revenue and Market Share by Manufacturer (2016-2017)

3.3 Global Electrostatic Chucks (ESCs) Price by Manufacturer (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 Electrostatic Chucks (ESCs) Manufacturer Market Share in 2017

3.4.2 Top 5 Electrostatic Chucks (ESCs) Manufacturer Market Share in 2017

3.5 Market Competition Trend

### **4 GLOBAL ELECTROSTATIC CHUCKS (ESCS) MARKET ANALYSIS BY REGIONS**

4.1 Global Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Regions

4.1.1 Global Electrostatic Chucks (ESCs) Sales by Regions (2013-2018)

4.1.2 Global Electrostatic Chucks (ESCs) Revenue by Regions (2013-2018)

4.2 North America Electrostatic Chucks (ESCs) Sales, Revenue and Growth Rate (2013-2018)

4.3 Europe Electrostatic Chucks (ESCs) Sales, Revenue and Growth Rate (2013-2018)

4.4 Asia-Pacific Electrostatic Chucks (ESCs) Sales, Revenue and Growth Rate (2013-2018)

4.5 South America Electrostatic Chucks (ESCs) Sales, Revenue and Growth Rate (2013-2018)

4.6 Middle East and Africa Electrostatic Chucks (ESCs) Sales, Revenue and Growth Rate (2013-2018)

### **5 NORTH AMERICA ELECTROSTATIC CHUCKS (ESCS) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

## 5.1 North America Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Countries

5.1.1 North America Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)

5.1.2 North America Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)

5.1.3 United States Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

5.1.4 Canada Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

5.1.5 Mexico Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

## 5.2 North America Electrostatic Chucks (ESCs) Sales and Revenue (Value) by Manufacturers (2016-2017)

5.2.1 North America Electrostatic Chucks (ESCs) Sales by Manufacturers (2016-2017)

5.2.2 North America Electrostatic Chucks (ESCs) Revenue by Manufacturers (2016-2017)

## 5.3 North America Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Type (2013-2018)

5.3.1 North America Electrostatic Chucks (ESCs) Sales and Sales Share by Type (2013-2018)

5.3.2 North America Electrostatic Chucks (ESCs) Revenue and Revenue Share by Type (2013-2018)

## 5.4 North America Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Application (2013-2018)

5.4.1 North America Electrostatic Chucks (ESCs) Sales and Sales Share by Application (2013-2018)

5.4.2 North America Electrostatic Chucks (ESCs) Revenue and Revenue Share by Application (2013-2018)

# **6 EUROPE ELECTROSTATIC CHUCKS (ESCS) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

## 6.1 Europe Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Countries

6.1.1 Europe Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)

6.1.2 Europe Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)

6.1.3 Germany Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

6.1.4 UK Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

6.1.5 France Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

6.1.6 Russia Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

6.1.7 Italy Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

## 6.2 Europe Electrostatic Chucks (ESCs) Sales and Revenue (Value) by Manufacturers

(2016-2017)

6.2.1 Europe Electrostatic Chucks (ESCs) Sales by Manufacturers (2016-2017)

6.2.2 Europe Electrostatic Chucks (ESCs) Revenue by Manufacturers (2016-2017)

6.3 Europe Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Type (2013-2018)

6.3.1 Europe Electrostatic Chucks (ESCs) Sales and Sales Share by Type (2013-2018)

6.3.2 Europe Electrostatic Chucks (ESCs) Revenue and Revenue Share by Type (2013-2018)

6.4 Europe Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Application (2013-2018)

6.4.1 Europe Electrostatic Chucks (ESCs) Sales and Sales Share by Application (2013-2018)

6.4.2 Europe Electrostatic Chucks (ESCs) Revenue and Revenue Share by Application (2013-2018)

## **7 ASIA-PACIFIC ELECTROSTATIC CHUCKS (ESCS) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

7.1 Asia-Pacific Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)

7.1.2 Asia-Pacific Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)

7.1.3 China Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

7.1.4 Japan Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

7.1.5 Korea Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

7.1.6 India Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

7.1.7 Southeast Asia Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

7.2 Asia-Pacific Electrostatic Chucks (ESCs) Sales and Revenue (Value) by Manufacturers (2016-2017)

7.2.1 Asia-Pacific Electrostatic Chucks (ESCs) Sales by Manufacturers (2016-2017)

7.2.2 Asia-Pacific Electrostatic Chucks (ESCs) Revenue by Manufacturers (2016-2017)

7.3 Asia-Pacific Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Type (2013-2018)

7.3.1 Asia-Pacific Electrostatic Chucks (ESCs) Sales and Sales Share by Type (2013-2018)

7.3.2 Asia-Pacific Electrostatic Chucks (ESCs) Revenue and Revenue Share by Type (2013-2018)

7.4 Asia-Pacific Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Application (2013-2018)

7.4.1 Asia-Pacific Electrostatic Chucks (ESCs) Sales and Sales Share by Application (2013-2018)

7.4.2 Asia-Pacific Electrostatic Chucks (ESCs) Revenue and Revenue Share by Application (2013-2018)

## **8 SOUTH AMERICA ELECTROSTATIC CHUCKS (ESCS) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

8.1 South America Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Countries

8.1.1 South America Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)

8.1.2 South America Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)

8.1.3 Brazil Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

8.1.4 Argentina Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

8.1.5 Colombia Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

8.2 South America Electrostatic Chucks (ESCs) Sales and Revenue (Value) by Manufacturers (2016-2017)

8.2.1 South America Electrostatic Chucks (ESCs) Sales by Manufacturers (2016-2017)

8.2.2 South America Electrostatic Chucks (ESCs) Revenue by Manufacturers (2016-2017)

8.3 South America Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Type (2013-2018)

8.3.1 South America Electrostatic Chucks (ESCs) Sales and Sales Share by Type (2013-2018)

8.3.2 South America Electrostatic Chucks (ESCs) Revenue and Revenue Share by Type (2013-2018)

8.4 South America Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Application (2013-2018)

8.4.1 South America Electrostatic Chucks (ESCs) Sales and Sales Share by Application (2013-2018)

8.4.2 South America Electrostatic Chucks (ESCs) Revenue and Revenue Share by Application (2013-2018)

## **9 MIDDLE EAST AND AFRICA ELECTROSTATIC CHUCKS (ESCS) BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

9.1 Middle East and Africa Electrostatic Chucks (ESCs) Sales, Revenue and Market

## Share by Countries

9.1.1 Middle East and Africa Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)

9.1.2 Middle East and Africa Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)

9.1.3 Saudi Arabia Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

9.1.4 UAE Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

9.1.5 Egypt Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

9.1.6 Nigeria Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

9.1.7 South Africa Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

9.2 Middle East and Africa Electrostatic Chucks (ESCs) Sales and Revenue (Value) by Manufacturers (2016-2017)

9.2.1 Middle East and Africa Electrostatic Chucks (ESCs) Sales by Manufacturers (2016-2017)

9.2.2 Middle East and Africa Electrostatic Chucks (ESCs) Revenue by Manufacturers (2016-2017)

9.3 Middle East and Africa Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Type (2013-2018)

9.3.1 Middle East and Africa Electrostatic Chucks (ESCs) Sales and Sales Share by Type (2013-2018)

9.3.1 Middle East and Africa Electrostatic Chucks (ESCs) Revenue and Revenue Share by Type (2013-2018)

9.4 Middle East and Africa Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Application (2013-2018)

9.4.1 Middle East and Africa Electrostatic Chucks (ESCs) Sales and Sales Share by Application (2013-2018)

9.4.2 Middle East and Africa Electrostatic Chucks (ESCs) Revenue and Revenue Share by Application (2013-2018)

## **10 GLOBAL ELECTROSTATIC CHUCKS (ESCS) MARKET SEGMENT BY TYPE**

10.1 Global Electrostatic Chucks (ESCs) Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global Electrostatic Chucks (ESCs) Sales and Market Share by Type (2013-2018)

10.1.2 Global Electrostatic Chucks (ESCs) Revenue and Market Share by Type (2013-2018)

10.2 Colulomb Type Electrostatic Chukcs Sales Growth and Price

10.2.1 Global Colulomb Type Electrostatic Chukcs Sales Growth (2013-2018)



- 10.2.2 Global Colulomb Type Electrostatic Chukcs Price (2013-2018)
- 10.3 Johnsen-Rahbek(JR) Type Electrostatic Chucks Sales Growth and Price
  - 10.3.1 Global Johnsen-Rahbek(JR) Type Electrostatic Chucks Sales Growth (2013-2018)
  - 10.3.2 Global Johnsen-Rahbek(JR) Type Electrostatic Chucks Price (2013-2018)

## **11 GLOBAL ELECTROSTATIC CHUCKS (ESCS) MARKET SEGMENT BY APPLICATION**

- 11.1 Global Electrostatic Chucks (ESCs) Sales Market Share by Application (2013-2018)
- 11.2 Semiconductor (LCD/CVD) Sales Growth (2013-2018)
- 11.3 Wireless Communications Sales Growth (2013-2018)
- 11.4 Electronics Sales Growth (2013-2018)
- 11.5 Medical Sales Growth (2013-2018)
- 11.6 Others Sales Growth (2013-2018)

## **12 ELECTROSTATIC CHUCKS (ESCS) MARKET FORECAST (2018-2023)**

- 12.1 Global Electrostatic Chucks (ESCs) Sales, Revenue and Growth Rate (2018-2023)
- 12.2 Electrostatic Chucks (ESCs) Market Forecast by Regions (2018-2023)
  - 12.2.1 North America Electrostatic Chucks (ESCs) Market Forecast (2018-2023)
  - 12.2.2 Europe Electrostatic Chucks (ESCs) Market Forecast (2018-2023)
  - 12.2.3 Asia-Pacific Electrostatic Chucks (ESCs) Market Forecast (2018-2023)
  - 12.2.4 South America Electrostatic Chucks (ESCs) Market Forecast (2018-2023)
  - 12.2.5 Middle East and Africa Electrostatic Chucks (ESCs) Market Forecast (2018-2023)
- 12.3 Electrostatic Chucks (ESCs) Market Forecast by Type (2018-2023)
  - 12.3.1 Global Electrostatic Chucks (ESCs) Sales Forecast by Type (2018-2023)
  - 12.3.2 Global Electrostatic Chucks (ESCs) Market Share Forecast by Type (2018-2023)
- 12.4 Electrostatic Chucks (ESCs) Market Forecast by Application (2018-2023)
  - 12.4.1 Global Electrostatic Chucks (ESCs) Sales Forecast by Application (2018-2023)
  - 12.4.2 Global Electrostatic Chucks (ESCs) Market Share Forecast by Application (2018-2023)

## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

- 13.1 Sales Channel

- 13.1.1 Direct Marketing
- 13.1.2 Indirect Marketing
- 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

- 15.1 Methodology
- 15.2 Data Source



## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Electrostatic Chucks (ESCs) Picture

Table Product Specifications of Electrostatic Chucks (ESCs)

Figure Global Electrostatic Chucks (ESCs) CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global Electrostatic Chucks (ESCs) CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of Electrostatic Chucks (ESCs) by Types in 2017

Figure Colulomb Type Electrostatic Chukcs Picture

Table Major Manufacturers of Colulomb Type Electrostatic Chukcs

Figure Johnsen-Rahbek(JR) Type Electrostatic Chucks Picture

Table Major Manufacturers of Johnsen-Rahbek(JR) Type Electrostatic Chucks

Figure Electrostatic Chucks (ESCs) Sales Market Share by Applications in 2017

Figure Semiconductor (LCD/CVD) Picture

Figure Wireless Communications Picture

Figure Electronics Picture

Figure Medical Picture

Figure Others Picture

Figure United States Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate (2013-2023)

Figure France Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate (2013-2023)

Figure UK Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate (2013-2023)

Figure China Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate (2013-2023)

Figure Japan Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate

(2013-2023)

Figure Korea Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate

(2013-2023)

Figure India Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate

(2013-2023)

Figure Southeast Asia Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate

(2013-2023)

Figure Brazil Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate

(2013-2023)

Figure Egypt Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate

(2013-2023)

Figure Saudi Arabia Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate

(2013-2023)

Figure South Africa Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate

(2013-2023)

Figure Nigeria Electrostatic Chucks (ESCs) Revenue (Value) and Growth Rate

(2013-2023)

Table SHINKO Headquarter, Established, Main Business and Finance Overview (2017)

Table SHINKO Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

Table SHINKO Electrostatic Chucks (ESCs) Product

Table SHINKO Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global SHINKO Electrostatic Chucks (ESCs) Sales Market Share in 2017

Figure Global SHINKO Electrostatic Chucks (ESCs) Revenue Market Share in 2017

Table TOTO Headquarter, Established, Main Business and Finance Overview (2017)

Table TOTO Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

Table TOTO Electrostatic Chucks (ESCs) Product

Table TOTO Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global TOTO Electrostatic Chucks (ESCs) Sales Market Share in 2017

Figure Global TOTO Electrostatic Chucks (ESCs) Revenue Market Share in 2017

Table Creative Technology Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table Creative Technology Corporation Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

Table Creative Technology Corporation Electrostatic Chucks (ESCs) Product

Table Creative Technology Corporation Electrostatic Chucks (ESCs) Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Creative Technology Corporation Electrostatic Chucks (ESCs) Sales Market Share in 2017

Figure Global Creative Technology Corporation Electrostatic Chucks (ESCs) Revenue Market Share in 2017

Table Kyocera Headquarter, Established, Main Business and Finance Overview (2017)

Table Kyocera Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

Table Kyocera Electrostatic Chucks (ESCs) Product

Table Kyocera Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Kyocera Electrostatic Chucks (ESCs) Sales Market Share in 2017

Figure Global Kyocera Electrostatic Chucks (ESCs) Revenue Market Share in 2017

Table FM Industries Headquarter, Established, Main Business and Finance Overview (2017)

Table FM Industries Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

Table FM Industries Electrostatic Chucks (ESCs) Product

Table FM Industries Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global FM Industries Electrostatic Chucks (ESCs) Sales Market Share in 2017

Figure Global FM Industries Electrostatic Chucks (ESCs) Revenue Market Share in 2017

Table NTK CERATEC Headquarter, Established, Main Business and Finance Overview (2017)

Table NTK CERATEC Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

Table NTK CERATEC Electrostatic Chucks (ESCs) Product

Table NTK CERATEC Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global NTK CERATEC Electrostatic Chucks (ESCs) Sales Market Share in 2017

Figure Global NTK CERATEC Electrostatic Chucks (ESCs) Revenue Market Share in 2017

Table Tsukuba Seiko Headquarter, Established, Main Business and Finance Overview (2017)

Table Tsukuba Seiko Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

Table Tsukuba Seiko Electrostatic Chucks (ESCs) Product

Table Tsukuba Seiko Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin

and Market Share (2016-2017)

Figure Global Tsukuba Seiko Electrostatic Chucks (ESCs) Sales Market Share in 2017

Figure Global Tsukuba Seiko Electrostatic Chucks (ESCs) Revenue Market Share in 2017

Table Applied Materials Headquarter, Established, Main Business and Finance Overview (2017)

Table Applied Materials Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

Table Applied Materials Electrostatic Chucks (ESCs) Product

Table Applied Materials Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Applied Materials Electrostatic Chucks (ESCs) Sales Market Share in 2017

Figure Global Applied Materials Electrostatic Chucks (ESCs) Revenue Market Share in 2017

Table II-VI M Cubed Headquarter, Established, Main Business and Finance Overview (2017)

Table II-VI M Cubed Electrostatic Chucks (ESCs) Production Bases, Sales Regions and Major Competitors

Table II-VI M Cubed Electrostatic Chucks (ESCs) Product

Table II-VI M Cubed Electrostatic Chucks (ESCs) Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global II-VI M Cubed Electrostatic Chucks (ESCs) Sales Market Share in 2017

Figure Global II-VI M Cubed Electrostatic Chucks (ESCs) Revenue Market Share in 2017

Table Global Electrostatic Chucks (ESCs) Sales by Manufacturer (2016-2017)

Figure Global Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2016

Figure Global Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2017

Table Global Electrostatic Chucks (ESCs) Revenue by Manufacturer (2016-2017)

Figure Global Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2016

Figure Global Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2017

Table Global Electrostatic Chucks (ESCs) Price by Manufacturer (2016-2017)

Figure Top 3 Electrostatic Chucks (ESCs) Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Electrostatic Chucks (ESCs) Manufacturer (Revenue) Market Share in 2017

Figure Global Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Global Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Table Global Electrostatic Chucks (ESCs) Sales by Regions (2013-2018)

Table Global Electrostatic Chucks (ESCs) Sales Market Share by Regions (2013-2018)

Table Global Electrostatic Chucks (ESCs) Revenue by Regions (2013-2018)

Figure Global Electrostatic Chucks (ESCs) Revenue Market Share by Regions in 2013

Figure Global Electrostatic Chucks (ESCs) Revenue Market Share by Regions in 2017

Figure North America Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure North America Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Figure Europe Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Europe Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Asia-Pacific Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Figure South America Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure South America Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Middle East and Africa Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Figure North America Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Table North America Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)

Table North America Electrostatic Chucks (ESCs) Sales Market Share by Countries (2013-2018)

Figure North America Electrostatic Chucks (ESCs) Sales Market Share by Countries in 2013

Figure North America Electrostatic Chucks (ESCs) Sales Market Share by Countries in 2017

Table North America Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)

Table North America Electrostatic Chucks (ESCs) Revenue Market Share by Countries (2013-2018)

Figure North America Electrostatic Chucks (ESCs) Revenue Market Share by Countries in 2013

Figure North America Electrostatic Chucks (ESCs) Revenue Market Share by Countries in 2017

Figure United States Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Canada Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)



Figure Mexico Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)  
Table North America Electrostatic Chucks (ESCs) Sales by Manufacturer (2016-2017)  
Figure North America Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2016  
Figure North America Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2017  
Table North America Electrostatic Chucks (ESCs) Revenue by Manufacturer (2016-2017)  
Figure North America Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2016  
Figure North America Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2017  
Table North America Electrostatic Chucks (ESCs) Sales by Type (2013-2018)  
Table North America Electrostatic Chucks (ESCs) Sales Share by Type (2013-2018)  
Table North America Electrostatic Chucks (ESCs) Revenue by Type (2013-2018)  
Table North America Electrostatic Chucks (ESCs) Revenue Share by Type (2013-2018)  
Table North America Electrostatic Chucks (ESCs) Sales by Application (2013-2018)  
Table North America Electrostatic Chucks (ESCs) Sales Share by Application (2013-2018)  
Table North America Electrostatic Chucks (ESCs) Revenue by Application (2013-2018)  
Table North America Electrostatic Chucks (ESCs) Revenue Share by Application (2013-2018)  
Figure Europe Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)  
Table Europe Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)  
Table Europe Electrostatic Chucks (ESCs) Sales Market Share by Countries (2013-2018)  
Table Europe Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)  
Figure Europe Electrostatic Chucks (ESCs) Revenue Market Share by Countries in 2016  
Figure Europe Electrostatic Chucks (ESCs) Revenue Market Share by Countries in 2017  
Figure Germany Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)  
Figure UK Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)  
Figure France Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)  
Figure Russia Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)  
Figure Italy Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)  
Table Europe Electrostatic Chucks (ESCs) Sales by Manufacturer (2016-2017)  
Figure Europe Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2016

Figure Europe Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2017

Table Europe Electrostatic Chucks (ESCs) Revenue by Manufacturer (2016-2017)

Figure Europe Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2016

Figure Europe Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2017

Table Europe Electrostatic Chucks (ESCs) Sales by Type (2013-2018)

Table Europe Electrostatic Chucks (ESCs) Sales Share by Type (2013-2018)

Table Europe Electrostatic Chucks (ESCs) Revenue by Type (2013-2018)

Table Europe Electrostatic Chucks (ESCs) Revenue Share by Type (2013-2018)

Table Europe Electrostatic Chucks (ESCs) Sales by Application (2013-2018)

Table Europe Electrostatic Chucks (ESCs) Sales Share by Application (2013-2018)

Table Europe Electrostatic Chucks (ESCs) Revenue by Application (2013-2018)

Table Europe Electrostatic Chucks (ESCs) Revenue Share by Application (2013-2018)

Figure Asia-Pacific Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Sales Market Share by Countries (2013-2018)

Figure Asia-Pacific Electrostatic Chucks (ESCs) Sales Market Share by Countries 2017

Table Asia-Pacific Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)

Figure Asia-Pacific Electrostatic Chucks (ESCs) Revenue Market Share by Countries 2017

Figure China Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Japan Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Korea Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure India Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Southeast Asia Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Sales by Manufacturer (2016-2017)

Figure Asia-Pacific Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2016

Figure Asia-Pacific Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2017

Table Asia-Pacific Electrostatic Chucks (ESCs) Revenue by Manufacturer (2016-2017)

Figure Asia-Pacific Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2016

Figure Asia-Pacific Electrostatic Chucks (ESCs) Revenue Market Share by



Manufacturer in 2017

Table Asia-Pacific Electrostatic Chucks (ESCs) Sales by Type (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Sales Share by Type (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Revenue by Type (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Revenue Share by Type (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Sales by Application (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Sales Share by Application (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Revenue by Application (2013-2018)

Table Asia-Pacific Electrostatic Chucks (ESCs) Revenue Share by Application (2013-2018)

Figure South America Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Table South America Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)

Table South America Electrostatic Chucks (ESCs) Sales Market Share by Countries (2013-2018)

Figure South America Electrostatic Chucks (ESCs) Sales Market Share by Countries in 2017

Table South America Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)

Table South America Electrostatic Chucks (ESCs) Revenue Market Share by Countries (2013-2018)

Figure South America Electrostatic Chucks (ESCs) Revenue Market Share by Countries in 2017

Figure Brazil Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Argentina Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Colombia Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Table South America Electrostatic Chucks (ESCs) Sales by Manufacturer (2016-2017)

Figure South America Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2016

Figure South America Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2017

Table South America Electrostatic Chucks (ESCs) Revenue by Manufacturer (2016-2017)

Figure South America Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2016

Figure South America Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2017

Table South America Electrostatic Chucks (ESCs) Sales by Type (2013-2018)

Table South America Electrostatic Chucks (ESCs) Sales Share by Type (2013-2018)

Table South America Electrostatic Chucks (ESCs) Revenue by Type (2013-2018)

Table South America Electrostatic Chucks (ESCs) Revenue Share by Type (2013-2018)

Table South America Electrostatic Chucks (ESCs) Sales by Application (2013-2018)

Table South America Electrostatic Chucks (ESCs) Sales Share by Application (2013-2018)

Table South America Electrostatic Chucks (ESCs) Revenue by Application (2013-2018)

Table South America Electrostatic Chucks (ESCs) Revenue Share by Application (2013-2018)

Figure Middle East and Africa Electrostatic Chucks (ESCs) Revenue and Growth Rate (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Sales by Countries (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Sales Market Share by Countries (2013-2018)

Figure Middle East and Africa Electrostatic Chucks (ESCs) Sales Market Share by Countries in 2017

Table Middle East and Africa Electrostatic Chucks (ESCs) Revenue by Countries (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa Electrostatic Chucks (ESCs) Revenue Market Share by Countries in 2013

Figure Middle East and Africa Electrostatic Chucks (ESCs) Revenue Market Share by Countries in 2017

Figure Saudi Arabia Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure UAE Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Egypt Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure Nigeria Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Figure South Africa Electrostatic Chucks (ESCs) Sales and Growth Rate (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Sales by Manufacturer (2016-2017)

Figure Middle East and Africa Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2016

Figure Middle East and Africa Electrostatic Chucks (ESCs) Sales Market Share by Manufacturer in 2017

Table Middle East and Africa Electrostatic Chucks (ESCs) Revenue by Manufacturer (2016-2017)

Figure Middle East and Africa Electrostatic Chucks (ESCs) Revenue Market Share by Manufacturer in 2016

Figure Middle East and Africa Electrostatic Chucks (ESCs) Revenue Market Share by

Manufacturer in 2017

Table Middle East and Africa Electrostatic Chucks (ESCs) Sales by Type (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Sales Share by Type (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Revenue by Type (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Revenue Share by Type (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Sales by Application (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Sales Share by Application (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Revenue by Application (2013-2018)

Table Middle East and Africa Electrostatic Chucks (ESCs) Revenue Share by Application (2013-2018)

Table Global Electrostatic Chucks (ESCs) Sales by Type (2013-2018)

Table Global Electrostatic Chucks (ESCs) Sales Share by Type (2013-2018)

Table Global Electrostatic Chucks (ESCs) Revenue by Type (2013-2018)

Table Global Electrostatic Chucks (ESCs) Revenue Share by Type (2013-2018)

Figure Global Colulomb Type Electrostatic Chukcs Sales Growth (2013-2018)

Figure Global Colulomb Type Electrostatic Chukcs Price (2013-2018)

Figure Global Johnsen-Rahbek(JR) Type Electrostatic Chucks Sales Growth (2013-2018)

Figure Global Johnsen-Rahbek(JR) Type Electrostatic Chucks Price (2013-2018)

Table Global Electrostatic Chucks (ESCs) Sales by Application (2013-2018)

Table Global Electrostatic Chucks (ESCs) Sales Share by Application (2013-2018)

Figure Global Semiconductor (LCD/CVD) Sales Growth (2013-2018)

Figure Global Wireless Communications Sales Growth (2013-2018)

Figure Global Electronics Sales Growth (2013-2018)

Figure Global Medical Sales Growth (2013-2018)

Figure Global Others Sales Growth (2013-2018)

Figure Global Electrostatic Chucks (ESCs) Sales, Revenue and Growth Rate (2018-2023)

Table Global Electrostatic Chucks (ESCs) Sales Forecast by Regions (2018-2023)

Table Global Electrostatic Chucks (ESCs) Market Share Forecast by Regions (2018-2023)

Figure North America Sales Electrostatic Chucks (ESCs) Market Forecast (2018-2023)

Figure Europe Sales Electrostatic Chucks (ESCs) Market Forecast (2018-2023)

Figure Asia-Pacific Sales Electrostatic Chucks (ESCs) Market Forecast (2018-2023)

Figure South America Sales Electrostatic Chucks (ESCs) Market Forecast (2018-2023)

Figure Middle East and Africa Sales Electrostatic Chucks (ESCs) Market Forecast (2018-2023)

Table Global Electrostatic Chucks (ESCs) Sales Forecast by Type (2018-2023)

Table Global Electrostatic Chucks (ESCs) Market Share Forecast by Type (2018-2023)

Table Global Electrostatic Chucks (ESCs) Sales Forecast by Application (2018-2023)

Table Global Electrostatic Chucks (ESCs) Market Share Forecast by Application (2018-2023)

Table Distributors/Traders/ Dealers List

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