

# **Chiral Separation Column Market by Application (Gas Chromatography System, Liquid Chromatography System, Supercritical Fluid Chromatography System, Thin Layer Chromatography System, Others) - Global Forecast to 2019**

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## **Abstracts**

The global chiral separation chromatography columns market is estimated to grow at a CAGR of 5.2% from 2014 to 2019. Though the mature markets (such as the U.S., Germany, and the U.K.) hold larger shares in the chiral separation chromatography columns, the Asia-Pacific region is expected to grow at the highest CAGR of 6.3% in the forecast period. The growth of the chiral separation chromatography columns market is driven by factors such as government investment in chromatography techniques, advancements in chromatography instruments, increasing tie-ups with research laboratories & academic institutes, and an increasing importance of chromatography tests for drug approvals.

However, the need for skilled professionals and high costs of instruments hamper the growth of the global chiral separation chromatography columns market. Moreover, the growing adoption of green chromatography, rising proteomics market, and new product launches further create new opportunities for the global chiral separation chromatography columns market across various geographies.

In this report, the global chiral separation chromatography columns market has been broadly classified on the basis of applications, material, type, and end-user. The applications segment is further classified into liquid chromatography systems, gas chromatography systems, thin layer chromatography systems, and supercritical fluid chromatography. On the basis of materials, the market is segmented into metal (stainless steel), glass, and plastic. Based on types, the market is further classified into

empty columns and pre-packed columns. The end-users for the global chiral separation chromatography columns market are pharmaceutical & biotechnology industry, academics/ government laboratories/ research institutes, food & beverage industry, hospitals/clinic, nutraceutical companies, cosmetic industry, and environmental agencies.

Geographically, North America (comprising the U.S. and Canada) is estimated to command the largest share of 40.2% of the global chiral separation chromatography columns market in 2014, followed by Europe. The chiral separation chromatography columns market in North America is primarily driven by funding in medical research, the North American drug development regulations that demand chromatographic methods of analysis for drug approval, growing metabolomics researches in the U.S., and direct & indirect financial investments in chromatography accessories.

However, high costs of instrument, installation costs, and reimbursement issues hamper the growth of the chiral separation chromatography columns market in this region. The Asia-Pacific region is estimated to grow at the highest CAGR of 6.3% from 2014 to 2019. Factors such as the growing demand for chromatography procedures for life sciences, biotechnology, chemicals, pesticide, food & beverage, and other similar industries; geographic expansions of major chromatography players in the regional market and increased government investments in the biomedical industry drive the growth of the chiral separation chromatography columns market in Asia-Pacific.

The global chiral separation chromatography columns market is a competitive market with a number of market players. As of 2014, the global chiral separation chromatography columns market is estimated to be dominated by Agilent Technologies (U.S.), Thermo Fisher Scientific Inc.,(U.S.), Waters Corporation (U.S.), GE Healthcare (U.K.), and Phenomenex, Inc. (U.S.), Sigma Aldrich Co. (U.S.), and Shimadzu Corporation (Japan). New product launches & partnerships, agreements, collaborations, and joint ventures are the major strategies adopted by most market players to achieve growth in the chiral separation chromatography columns market.

#### Reasons to Buy the Report:

From an insight perspective, this research report has focused on various levels of analysis—industry analysis (industry trends and PEST analysis), market share analysis of top players, supply chain analysis, and company profiles, which together comprise and discuss basic views on the competitive landscape, emerging- and high-growth segments of the chiral separation chromatography columns market, high-growth regions

& their respective regulatory policies, government initiatives, drivers, restraints, and opportunities.

The report will enrich both the established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn will help the firms garner a greater market share. Firms that purchase the report could use any one or a combination of five strategies that include market penetration, product development/innovation, market development, market diversification, and competitive assessment to strengthen their market share.

The report provides insights on the following pointers:

**Market Penetration:** Comprehensive information on the chiral separation chromatography techniques offered by top players in the chiral separation chromatography columns market.

**Product Development/Innovation:** Detailed insights on upcoming technologies, research & development activities, and new product launches in the chiral separation chromatography columns market.

**Market Development:** Comprehensive information of lucrative emerging markets. The report analyzes the markets for various chiral separation chromatography techniques across geographies.

**Market Diversification:** Exhaustive information of new products, untapped geographies, recent developments, and investments in the chiral separation chromatography columns market.

**Competitive Assessment:** In-depth assessment of the market shares, strategies, products, and manufacturing capabilities of leading players in the chiral separation chromatography columns market.

## Contents

### **1 INTRODUCTION**

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET SEGMENTATION & COVERAGE
- 1.3 STAKEHOLDERS

### **2 RESEARCH METHODOLOGY**

- 2.1 INTEGRATED ECOSYSTEM OF CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET
- 2.2 ARRIVING AT THE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET SIZE
  - 2.2.1 TOP-DOWN APPROACH
  - 2.2.2 BOTTOM-UP APPROACH
- 2.3 ASSUMPTIONS

### **3 EXECUTIVE SUMMARY**

### **4 MARKET OVERVIEW**

- 4.1 INTRODUCTION
- 4.2 MARKET DRIVERS AND INHIBITORS
- 4.3 KEY MARKET DYNAMICS

### **5 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY TYPE**

- 5.1 INTRODUCTION
- 5.2 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, TYPE COMPARISON WITH PARENT MARKET
- 5.3 GLOBAL CHIRAL EMPTY CHROMATOGRAPHY COLUMNS, BY GEOGRAPHY

### **6 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS, BY MATERIAL**

- 6.1 INTRODUCTION
- 6.2 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, MATERIAL COMPARISON WITH PARENT MARKET

6.3 GLOBAL CHIRAL METAL SEPARATION COLUMNS MARKET, BY GEOGRAPHY  
6.4 GLOBAL CHIRAL GLASS SEPARATION COLUMNS MARKET, BY GEOGRAPHY  
6.5 GLOBAL CHIRAL PLASTIC SEPARATION COLUMNS MARKET, BY  
GEOGRAPHY

## **7 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION**

7.1 INTRODUCTION  
7.2 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET,  
APPLICATION COMPARISON WITH PARENT MARKET  
7.3 GLOBAL CHIRAL LIQUID CHROMATOGRAPHY SYSTEMS SEPARATION  
COLUMNS MARKET, BY GEOGRAPHY  
7.4 GLOBAL CHIRAL GAS CHROMATOGRAPHY SYSTEMS (GC) SEPARATION  
COLUMNS MARKET, BY GEOGRAPHY  
7.5 GLOBAL CHIRAL THIN LAYER CHROMATOGRAPHY (TLC) SYSTEMS  
SEPARATION COLUMNS MARKET, BY GEOGRAPHY  
7.6 GLOBAL CHIRAL SUPERCRITICAL FLUID CHROMATOGRAPHY SYSTEMS  
COLUMN MARKET, BY GEOGRAPHY

## **8 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER**

8.1 INTRODUCTION  
8.2 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, END-  
USER COMPARISON WITH CHROMATOGRAPHY COLUMNS MARKET  
8.3 GLOBAL CHIRAL PHARMACEUTICALS & BIOTECHNOLOGY INDUSTRY  
COLUMNS MARKET, BY GEOGRAPHY  
8.4 GLOBAL CHIRAL ACADEMICS/GOVERNMENT LABORATORIES/RESEARCH  
INSTITUTES COLUMNS MARKET, BY GEOGRAPHY  
8.5 GLOBAL CHIRAL FOOD AND BEVERAGE INDUSTRY COLUMNS MARKET, BY  
GEOGRAPHY  
8.6 GLOBAL CHIRAL HOSPITALS/CLINICS COLUMNS MARKET, BY GEOGRAPHY  
8.7 GLOBAL CHIRAL NUTRACEUTICAL COMPANIES COLUMN MARKET, BY  
GEOGRAPHY  
8.8 GLOBAL CHIRAL COSMETICS INDUSTRY COLUMNS MARKET, BY  
GEOGRAPHY  
8.9 GLOBAL CHIRAL ENVIRONMENTAL AGENCY COLUMNS MARKET, BY  
GEOGRAPHY

## **9 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY GEOGRAPHY**

### **9.1 INTRODUCTION**

### **9.2 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET**

#### **9.2.1 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY COUNTRY**

#### **9.2.2 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY TYPE**

#### **9.2.3 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY MATERIAL**

#### **9.2.4 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION**

#### **9.2.5 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER**

### **9.3 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET**

#### **9.3.1 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY COUNTRY**

#### **9.3.2 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY TYPE**

#### **9.3.3 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY MATERIAL**

#### **9.3.4 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION**

#### **9.3.5 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER**

### **9.4 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET**

#### **9.4.1 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY COUNTRY**

#### **9.4.2 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY TYPE**

#### **9.4.3 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY MATERIAL**

#### **9.4.4 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION**

#### **9.4.5 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER**

## **10 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: COMPETITIVE LANDSCAPE**

10.1 CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: COMPANY SHARE ANALYSIS

10.2 MERGERS & ACQUISITIONS

10.3 EXPANSIONS

10.4 AGREEMENTS

10.5 NEW PRODUCT LAUNCH

## **11 CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET, BY COMPANY**

11.1 AGILENT TECHNOLOGIES

11.1.1 OVERVIEW

11.1.2 KEY OPERATION DATA

11.1.3 KEY FINANCIALS

11.1.4 PRODUCT AND SERVICE OFFERINGS

11.1.5 RELATED DEVELOPMENTS

11.2 THERMO FISHER SCIENTIFIC INC.

11.2.1 OVERVIEW

11.2.2 KEY OPERATIONS DATA

11.2.3 KEY FINANCIALS

11.2.4 RELATED DEVELOPMENTS

11.3 WATERS CORPORATION

11.3.1 OVERVIEW

11.3.2 KEY FINANCIALS DATA

11.3.3 PRODUCT AND SERVICE OFFERINGS

11.3.4 RELATED DEVELOPMENTS

11.4 PHENOMENEX, INC.

11.4.1 OVERVIEW

11.4.2 KEY FINANCIALS

11.4.3 PRODUCT AND SERVICE OFFERINGS

11.4.4 RELATED DEVELOPMENTS

11.5 SHIMADZU CORPORATION

11.5.1 OVERVIEW

11.5.2 KEY FINANCIALS DATA

11.5.3 PRODUCT AND SERVICE OFFERINGS

11.5.4 RELATED DEVELOPMENTS

## 11.6 DAICEL CORPORATION

### 11.6.1 OVERVIEW

### 11.6.2 KEY FINANCIALS DATA

### 11.6.3 PRODUCT AND SERVICE OFFERINGS

### 11.6.4 RELATED DEVELOPMENTS

## 11.7 SIGMA ALDRICH CORPORATION

### 11.7.1 OVERVIEW

### 11.7.2 KEY OPERATION DATA

### 11.7.3 KEY FINANCIALS

### 11.7.4 PRODUCT AND SERVICE OFFERINGS

### 11.7.5 RELATED DEVELOPMENTS

## 12 APPENDIX

### 12.1 CUSTOMIZATION OPTIONS

#### 12.1.1 IMPACT ANALYSIS

### 12.2 RELATED REPORTS

### 12.3 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE

#### 12.3.1 RT SNAPSHOTS



## List Of Tables

### LIST OF TABLES

Table 1 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS PEER MARKET SIZE, 2013 (USD MN)

Table 2 GLOBAL CHIRAL SEPARATION COLUMN MARKET: DRIVERS AND INHIBITORS

Table 3 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY MATERIAL, 2012 - 2019 (USD MN)

Table 4 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY TYPE, 2012 - 2019 (USD MN)

Table 5 GLOBAL PREPACKED CHROMATOGRAPHY COLUMNS MARKET, BY SUB-TYPE, 2013 - 2019 (USD MN)

Table 6 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION, 2012 - 2019 (USD MN)

Table 7 GLOBAL LIQUID CHROMATOGRAPHY SYSTEMS MARKET, BY TYPE, 2012 - 2019 (USD MN)

Table 8 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER, 2012 - 2019 (USD MN)

Table 9 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 10 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY TYPE, 2012 - 2019 (USD MN)

Table 11 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: TYPE COMPARISON WITH PARENT MARKET, 2012–2019 (USD MN)

Table 12 GLOBAL CHIRAL EMPTY CHROMATOGRAPHY COLUMNS, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 13 GLOBAL CHIRAL PREPACKED CHROMATOGRAPHY COLUMNS, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 14 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET, BY MATERIAL, 2012 - 2019 (USD MN)

Table 15 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: MATERIAL COMPARISON WITH PARENT MARKET, 2012–2019 (USD MN)

Table 16 GLOBAL CHIRAL METAL SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012–2019 (USD MN)

Table 17 GLOBAL CHIRAL GLASS SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 18 GLOBAL CHIRAL PLASTIC SEPARATION COLUMNS MARKET, BY

GEOGRAPHY, 2012 - 2019 (USD MN)

Table 19 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS, BY APPLICATION, 2012 - 2019 (USD MN)

Table 20 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: APPLICATION COMPARISON WITH PARENT MARKET, 2012–2019 (USD MN)

Table 21 GLOBAL CHIRAL LIQUID CHROMATOGRAPHY SYSTEMS SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012–2019 (USD MN)

Table 22 GLOBAL CHIRAL GAS CHROMATOGRAPHY SYSTEMS (GC) SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 23 GLOBAL CHIRAL THIN LAYER CHROMATOGRAPHY (TLC) SYSTEMS SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 24 CHIRAL SUPERCRITICAL FLUID CHROMATOGRAPHY SYSTEMS COLUMN MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 25 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER, 2012 - 2019 (USD MN)

Table 26 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET:END-USER COMPARISON WITH PARENT MARKET, 2012–2019 (USD MN)

Table 27 GLOBAL CHIRAL PHARMACEUTICALS & BIOTECHNOLOGY INDUSTRY COLUMNS MARKET, BY GEOGRAPHY, 2012–2019 (USD MN)

Table 28 GLOBAL CHIRAL ACADEMICS/GOVERNMENT LABORATORIES/RESEARCH INSTITUTES COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 29 GLOBAL CHIRAL FOOD AND BEVERAGE INDUSTRY COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 30 GLOBAL CHIRAL HOSPITALS/CLINICS COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 31 GLOBAL CHIRAL NUTRACEUTICAL COMPANIES COLUMN MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 32 GLOBAL CHIRAL COSMETICS INDUSTRY COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 33 GLOBAL CHIRAL ENVIRONMENTAL AGENCY COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 34 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Table 35 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY COUNTRY, 2012 - 2019 (USD MN)

Table 36 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY TYPE, 2012-2019 (USD MN)

Table 37 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY MATERIAL, 2012 - 2019 (USD MN)

Table 38 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION, 2012 - 2019 (USD MN)

Table 39 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER, 2012 - 2019 (USD MN)

Table 40 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY COUNTRY, 2012 - 2019 (USD MN)

Table 41 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, TYPE, 2012 - 2019 (USD MN)

Table 42 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY MATERIAL, 2012 - 2019 (USD MN)

Table 43 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION, 2012 - 2019 (USD MN)

Table 44 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER, 2012 - 2019 (USD MN)

Table 45 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY COUNTRY, 2012 - 2019 (USD MN)

Table 46 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY TYPE, 2012 - 2019 (USD MN)

Table 47 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY MATERIAL, 2012 - 2019 (USD MN)

Table 48 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION, 2012 - 2019 (USD MN)

Table 49 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER, 2012 - 2019 (USD MN)

Table 50 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: COMPANY SHARE ANALYSIS, 2014 (%)

Table 51 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET: MERGERS & ACQUISITIONS

Table 52 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET: EXPANSIONS

Table 53 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET: AGREEMENTS

Table 54 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET: NEW PRODUCT LAUNCH

Table 55 AGILENT TECHNOLOGIES: KEY OPERATIONS DATA, 2010 - 2014 (USD MN)

Table 56 AGILENT TECHNOLOGIES: KEY FINANCIALS, 2010 - 2014 (USD MN)

Table 57 THERMO FISHER SCIENTIFIC INC.: KEY OPERATIONS, 2009 - 2013 (USD MN)

Table 58 THERMO FISHER SCIENTIFIC INC.: KEY FINANCIALS, 2009 - 2013 (USD MN)

Table 59 WATERS CORPORATION: KEY FINANCIALS, 2009 - 2013 (USD MN)

Table 60 SHIMADZU CORPORATION: KEY FINANCIALS, 2009 - 2013 (USD MN)

Table 61 DAICEL CORPORATION: KEY FINANCIALS DATA, 2009 - 2013 (USD MN)

Table 62 SIGMA ALDRICH CORPORATION: KEY OPERATIONS, 2009 - 2013 (USD MN)

Table 63 SIGMA ALDRICH CORPORATION: KEY FINANCIALS, 2009 - 2013 (USD MN)

## List Of Figures

### LIST OF FIGURES

Figure 1 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: SEGMENTATION & COVERAGE

Figure 2 CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET: INTEGRATED ECOSYSTEM

Figure 3 TOP-DOWN APPROACH

Figure 4 BOTTOM-UP APPROACH

Figure 5 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: SNAPSHOT

Figure 6 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS, BY GEOGRAPHY, 2014-2019 (USD MN)

Figure 7 GLOBAL CHIRAL CHROMATOGRAPHY COLUMNS MARKET, BY TYPE, 2013 - 2019 (USD MN)

Figure 8 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: TYPE COMPARISON WITH PARENT MARKET, 2013–2019 (USD MN)

Figure 9 GLOBAL CHIRAL EMPTY CHROMATOGRAPHY COLUMNS, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Figure 10 GLOBAL CHIRAL PREPACKED CHROMATOGRAPHY COLUMNS, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Figure 11 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMN MARKET, BY MATERIAL, 2012 - 2019 (USD MN)

Figure 12 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: MATERIAL COMPARISON WITH PARENT MARKET, 2013–2019 (USD MN)

Figure 13 GLOBAL CHIRAL METAL SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012–2019 (USD MN)

Figure 14 GLOBAL CHIRAL GLASS SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Figure 15 GLOBAL CHIRAL PLASTIC SEPARATION COLUMN MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)

Figure 16 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION, 2012 - 2019 (USD MN)

Figure 17 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: APPLICATION COMPARISON WITH PARENT MARKET, 2013–2019 (USD MN)

Figure 18 GLOBAL CHIRAL LIQUID CHROMATOGRAPHY SYSTEMS SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012–2019 (USD MN)

- Figure 19 GLOBAL CHIRAL GAS CHROMATOGRAPHY SYSTEMS (GC) SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)
- Figure 20 GLOBAL CHIRAL THIN LAYER CHROMATOGRAPHY (TLC) SYSTEMS SEPARATION COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)
- Figure 21 GLOBAL CHIRAL SUPERCRITICAL FLUID CHROMATOGRAPHY SYSTEMS COLUMN MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)
- Figure 22 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER, 2013 - 2019 (USD MN)
- Figure 23 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET:-USER COMPARISON WITH CHROMATOGRAPHY COLUMNS MARKET,2013–2019 (USD MN)
- Figure 24 GLOBAL CHIRAL PHARMACEUTICALS & BIOTECHNOLOGY INDUSTRY COLUMN MARKET, BY GEOGRAPHY, 2012–2019 (USD MN)
- Figure 25 GLOBAL CHIRAL ACADEMICS/GOVERNMENT LABORATORIES/RESEARCH INSTITUTES COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)
- Figure 26 GLOBAL CHIRAL FOOD AND BEVERAGE INDUSTRY COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)
- Figure 27 GLOBAL CHIRAL HOSPITALS/CLINICS COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)
- Figure 28 GLOBAL CHIRAL NUTRACEUTICAL COMPANIES COLUMN MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)
- Figure 29 GLOBAL CHIRAL COSMETICS INDUSTRY COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)
- Figure 30 GLOBAL CHIRAL ENVIRONMENTAL AGENCY COLUMNS MARKET, BY GEOGRAPHY, 2012 - 2019 (USD MN)
- Figure 31 GLOBAL CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET: GROWTH ANALYSIS, BY GEOGRAPHY, 2014-2019 (USD MN)
- Figure 32 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY COUNTRY, 2012 - 2019 (USD MN)
- Figure 33 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY TYPE, 2012-2019 (USD MN)
- Figure 34 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY MATERIAL, 2012 - 2019 (USD MN)
- Figure 35 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY APPLICATION, 2012 - 2019 (USD MN)
- Figure 36 NORTH AMERICA CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET, BY END-USER, 2012 - 2019 (USD MN)
- Figure 37 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS



MARKET, BY COUNTRY, 2012 - 2019 (USD MN)

Figure 38 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS

MARKET, BY TYPE, 2012 - 2019 (USD MN)

Figure 39 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS

MARKET, BY MATERIAL, 2012 - 2019 (USD MN)

Figure 40 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS

MARKET, BY APPLICATION, 2012 - 2019 (USD MN)

Figure 41 EUROPE CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS

MARKET, BY END-USER, 2012 - 2019 (USD MN)

Figure 42 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET,  
BY COUNTRY, 2012 - 2019 (USD MN)

Figure 43 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET,  
BY TYPE, 2012 - 2019 (USD MN)

Figure 44 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET,  
BY MATERIAL, 2012 - 2019 (USD MN)

Figure 45 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET,  
BY APPLICATION, 2012 - 2019 (USD MN)

Figure 46 ASIAN CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET,  
BY END-USER, 2012 - 2019 (USD MN)

Figure 47 CHIRAL SEPARATION CHROMATOGRAPHY COLUMNS MARKET:  
COMPANY SHARE ANALYSIS, 2014 (%)

Figure 48 AGILENT TECHNOLOGIES.: REVENUE MIX, 2014 (%)

Figure 49 THERMO FISHER SCIENTIFIC INC. REVENUE MIX, 2013 (%)

Figure 50 SIGMA ALDRICH CORPORATION: REVENUE MIX 2013 (%)

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