

# China Disposable Blood Cell Separator Industry Report 2015

<https://marketpublishers.com/r/CA07307AC7BEN.html>

Date: July 2015

Pages: 106

Price: US\$ 3,200.00 (Single User License)

ID: CA07307AC7BEN

## Abstracts

The China Disposable blood cell separator Industry Report 2015 is a professional and in-depth study on the current state of the Disposable blood cell separator industry.

The report provides a basic overview of the industry including definitions, classifications, applications and industry chain structure. The Disposable blood cell separator market analysis is provided for the China markets including development trends, competitive landscape analysis, and key regions development status.

Development policies and plans are discussed as well as manufacturing processes and Bill of Materials cost structures are also analyzed. This report also states import/export consumption, supply and demand Figures, cost, price, revenue and gross margins.

The report focuses on China major leading industry players providing information such as company profiles, product picture and specification, capacity, production, price, cost, revenue and contact information. Upstream raw materials and equipment and downstream demand analysis is also carried out. The Disposable blood cell separator industry development trends and marketing channels are analyzed. Finally the feasibility of new investment projects are assessed and overall research conclusions offered.

With 126 tables and figures the report provides key statistics on the state of the industry and is a valuable source of guidance and direction for companies and individuals interested in the market.

## Contents

### **CHAPTER ONE INDUSTRY OVERVIEW**

- 1.1 Definition and Specifications of Disposable blood cell separator
- 1.2 Classification of Disposable blood cell separator
- 1.3 Applications of Disposable blood cell separator
- 1.4 Industry Chain Structure of Disposable blood cell separator
- 1.5 Industry Overview of Disposable blood cell separator
- 1.6 Industry Policy Analysis of Disposable blood cell separator
- 1.7 Industry News Analysis of Disposable blood cell separator

### **CHAPTER TWO MANUFACTURING COST STRUCTURE ANALYSIS OF DISPOSABLE BLOOD CELL SEPARATOR**

- 2.1 Bill of Materials (BOM) of Disposable blood cell separator
- 2.2 BOM Price Analysis of Disposable blood cell separator
- 2.3 Labor Cost Analysis of Disposable blood cell separator
- 2.4 Depreciation Cost Analysis of Disposable blood cell separator
- 2.5 Manufacturing Cost Structure Analysis of Disposable blood cell separator
- 2.6 Manufacturing Process Analysis of Disposable blood cell separator

### **CHAPTER THREE TECHNICAL DATA AND MANUFACTURING PLANTS ANALYSIS**

- 3.1 Capacity and Commercial Production Date of China Key Manufacturers in 2014
- 3.2 Manufacturing Plants Distribution of China Key Disposable blood cell separator Manufacturers in 2014
- 3.3 R&D Status and Technology Source of China Disposable blood cell separator Key Manufacturers in 2014
- 3.4 Raw Materials Sources Analysis of China Disposable blood cell separator Key Manufacturers in 2014

### **CHAPTER FOUR PRODUCTION ANALYSIS OF DISPOSABLE BLOOD CELL SEPARATOR BY REGIONS, TECHNOLOGY, AND APPLICATIONS**

- 4.1 China Production of Disposable blood cell separator by Regions (Key Provinces) 2010-2015
- 4.2 China Production of Disposable blood cell separator by Product Types 2010-2015
- 4.3 China Sales of Disposable blood cell separator by Applications 2010-2015

- 4.4 Price Analysis of China Disposable blood cell separator Key Manufacturers in 2015
- 4.5 China Capacity, Production, Price, Cost and Revenue of Disposable blood cell separator 2010-2015
- 4.6 China Supply, Import, Export and Consumption of Disposable blood cell separator 2010-2015

## **CHAPTER FIVE SALES AND REVENUE ANALYSIS OF DISPOSABLE BLOOD CELL SEPARATOR BY REGIONS**

- 5.1 China Sales of Disposable blood cell separator by Regions 2010-2015
- 5.2 China Revenue of Disposable blood cell separator by Regions 2010-2015
- 5.3 China Price Analysis of Disposable blood cell separator Sales by Regions 2010-2015
- 5.4 China Price, Cost and Gross of Disposable blood cell separator 2010-2015

## **CHAPTER SIX ANALYSIS OF DISPOSABLE BLOOD CELL SEPARATOR PRODUCTION, SUPPLY, SALES AND MARKET STATUS 2010-2015**

- 6.1 Capacity Production Sales Revenue of Disposable blood cell separator 2010-2015
- 6.2 Production Sales Market Share Analysis of Disposable blood cell separator 2014-2015
- 6.3 Import, Export and Consumption of Disposable blood cell separator 2010-2015
- 6.4 Supply, Consumption and Shortage of Disposable blood cell separator 2010-2015
- 6.5 Import, Export and Consumption of Disposable blood cell separator 2010-2015
- 6.6 Cost, Price, Revenue and Gross Margin of Disposable blood cell separator 2010-2015

## **CHAPTER SEVEN ANALYSIS OF DISPOSABLE BLOOD CELL SEPARATOR INDUSTRY KEY MANUFACTURERS**

### **7.1 TERUMO**

- 7.1.1 Company Profile
- 7.1.2 Product Picture and Specifications
- 7.1.3 Capacity, Production, Price, Cost, Gross, and Revenue
- 7.1.4 TERUMO SWOT Analysis

### **7.2 HAEMONETICS**

- 7.2.1 Company Profile
- 7.2.2 Product Picture and Specifications
- 7.2.3 Capacity, Production, Price, Cost, Gross, and Revenue

- 7.2.4 HAEMONETICS SWOT Analysis
- 7.3 SHANGHAI DAHUA
  - 7.3.1 Company Profile
  - 7.3.2 Product Picture and Specifications
  - 7.3.3 Capacity, Production, Price, Cost, Gross, and Revenue
  - 7.3.4 SHANGHAI DAHUA SWOT Analysis
- 7.4 SMILE GROUP
  - 7.4.1 Company Profile
  - 7.4.2 Product Picture and Specifications
  - 7.4.3 Capacity, Production, Price, Cost, Gross, and Revenue
  - 7.4.4 SMILE GROUP SWOT Analysis

## **CHAPTER EIGHT PRICE AND GROSS MARGIN ANALYSIS**

- 8.1 Analysis of Price
- 8.2 Gross Margin Analysis
- 8.3 Price Comparison by Regions
- 8.4 Price Analysis of Different Disposable blood cell separator Product Types
- 8.5 Market Share Analysis of Different Disposable blood cell separator Price Levels
- 8.6 Gross Margin Analysis of Different Disposable blood cell separator Applications

## **CHAPTER NINE MARKETING TRADER OR DISTRIBUTOR ANALYSIS OF DISPOSABLE BLOOD CELL SEPARATOR**

- 9.1 Marketing Channels Status of Disposable blood cell separator
- 9.2 Traders or Distributors of Disposable blood cell separator with Contact Information
- 9.3 Ex-work Price, Channel Price and End Buyer Price Analysis of Disposable blood cell separator
- 9.4 China Import, Export and Trade Analysis of Disposable blood cell separator

## **CHAPTER TEN DEVELOPMENT TREND OF DISPOSABLE BLOOD CELL SEPARATOR INDUSTRY 2015-2020**

- 10.1 Capacity and Production Overview of Disposable blood cell separator 2015-2020
- 10.2 Production Market Share by Product Types of Disposable blood cell separator 2015-2020
- 10.3 Sales and Sales Revenue Overview of Disposable blood cell separator 2015-2020
- 10.4 China Sales of Disposable blood cell separator by Applications 2015-2020
- 10.5 Import, Export and Consumption of Disposable blood cell separator 2015-2020

10.6 Cost, Price, Revenue and Gross Margin of Disposable blood cell separator  
2015-2020

## **CHAPTER ELEVEN INDUSTRY CHAIN SUPPLIERS OF DISPOSABLE BLOOD CELL SEPARATOR WITH CONTACT INFORMATION**

11.1 Major Raw Materials Suppliers of Disposable blood cell separator with Contact Information

11.2 Manufacturing Equipment Suppliers of Disposable blood cell separator with Contact Information

11.3 Major Players of Disposable blood cell separator with Contact Information

11.4 Key Consumers of Disposable blood cell separator with Contact Information

11.5 Supply Chain Relationship Analysis of Disposable blood cell separator

## **CHAPTER TWELVE NEW PROJECT INVESTMENT FEASIBILITY ANALYSIS OF DISPOSABLE BLOOD CELL SEPARATOR**

12.1 New Project SWOT Analysis of Disposable blood cell separator

12.2 New Project Investment Feasibility Analysis of Disposable blood cell separator

## **CHAPTER THIRTEEN CONCLUSION OF THE CHINA DISPOSABLE BLOOD CELL SEPARATOR INDUSTRY REPORT 2015**

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Picture of Invisalign System

Table Product Specifications of Invisalign System

Figure Global Sales Market Share of Invisalign System by Product Types in 2014

Figure Global Sales Market Share of Invisalign System by Applications in 2014

Figure Industry Chain Structure of Invisalign System

Table Global Major Invisalign System Manufacturers

Table Industry Policy of Invisalign System

Table Industry News List of Invisalign System

Table Manufacturing Cost Structure Analysis of Invisalign System in 2014

Figure Manufacturing Process Analysis of Invisalign System

Table Capacity (K Units) and Commercial Production Date of Global Invisalign System Key Manufacturers in 2014

Table Manufacturing Plants Distribution of Global Key Invisalign System Manufacturers in 2014

Table R&D Status and Technology Source of Global Invisalign System Key Manufacturers in 2014

Table Raw Materials Sources Analysis of Global and China Invisalign System Key Manufacturers in 2014

Table Global Production of Invisalign System by Regions 2010-2015 (K Units)

Figure Global Production Market Share of Invisalign System by Regions in 2010

Figure Global Production Market Share of Invisalign System by Regions in 2011

Figure Global Production Market Share of Invisalign System by Regions in 2012

Figure Global Production Market Share of Invisalign System by Regions in 2013

Figure Global Production Market Share of Invisalign System by Regions in 2014

Figure Global Production Market Share of Invisalign System by Regions in 2015

Figure Global Production Market Share of Invisalign System by Technology in 2010

Figure Global Production Market Share of Invisalign System by Technology in 2011

Figure Global Production Market Share of Invisalign System by Technology in 2012

Figure Global Production Market Share of Invisalign System by Technology in 2013

Figure Global Production Market Share of Invisalign System by Technology in 2014

Figure Global Production Market Share of Invisalign System by Technology in 2015

Figure Global Production Market Share of Invisalign System by Applications in 2010

Figure Global Production Market Share of Invisalign System by Applications in 2011

Figure Global Production Market Share of Invisalign System by Applications in 2012

Figure Global Production Market Share of Invisalign System by Applications in 2013

Figure Global Production Market Share of Invisalign System by Applications in 2014

Figure Global Production Market Share of Invisalign System by Applications in 2015

Figure Price Comparison of Global Invisalign System Key Manufacturers in 2015  
(USD/Unit)

Table US Capacity (K Units), Production (K Units), Price (USD/Unit), Cost (USD/Unit)  
and Revenue (M USD) of Invisalign System 2010-2015

Table EU Capacity (K Units), Production (K Units), Price (USD/Unit), Cost (USD/Unit)  
and Revenue (M USD) of Invisalign System 2010-2015

Table Japan Capacity (K Units), Production (K Units), Price (USD/Unit), Cost  
(USD/Unit) and Revenue (M USD) of Invisalign System 2010-2015

Table China Capacity (K Units), Production (K Units), Price (USD/Unit), Cost (USD/Unit)  
and Revenue (M USD) of Invisalign System 2010-2015

Table US Supply, Import, Export and Consumption of Invisalign System 2010-2015 (K  
Units)

Table EU Supply, Import, Export and Consumption of Invisalign System 2010-2015 (K  
Units)

Table Japan Supply, Import, Export and Consumption of Invisalign System 2010-2015  
(K Units)

Table China Supply, Import, Export and Consumption of Invisalign System 2010-2015  
(K Units)

Table Global Sales of Invisalign System by Regions (US, EU, China, Japan, etc.)  
2010-2015 (K Units)

Figure Global Sales of Invisalign System by Regions (EU, China, Japan, etc.) in 2010  
(K Units)

Figure Global Sales of Invisalign System by Regions (EU, China, Japan, etc.) in 2011  
(K Units)

Figure Global Sales of Invisalign System by Regions (EU, China, Japan, etc.) in 2012  
(K Units)

Figure Global Sales of Invisalign System by Regions (EU, China, Japan, etc.) in 2013  
(K Units)

Figure Global Sales of Invisalign System by Regions (EU, China, Japan, etc.) in 2014  
(K Units)

Figure Global Sales of Invisalign System by Regions (EU, China, Japan, etc.) in 2015  
(K Units)

Table Global Revenue of Invisalign System by Regions (US, EU, China, Japan, etc.)  
2010-2015 (M USD)

Figure Global Revenue of Invisalign System by Regions (US, EU, China, Japan, etc.) in  
2010 (M USD)

Figure Global Revenue of Invisalign System by Regions (US, EU, China, Japan, etc.) in

2011 (M USD)

Figure Global Revenue of Invisalign System by Regions (US, EU, China, Japan, etc.) in

2012 (M USD)

Figure Global Revenue of Invisalign System by Regions (US, EU, China, Japan, etc.) in

2013 (M USD)

Figure Global Revenue of Invisalign System by Regions (US, EU, China, Japan, etc.) in

2014 (M USD)

Figure Global Revenue of Invisalign System by Regions (US, EU, China, Japan, etc.) in

2015 (M USD)

Table Sale Price of Invisalign System by Regions (US, EU, China, Japan, etc.)

2010-2015 (USD/Unit)

Figure Global Price Analysis of Invisalign System 2010-2015 (USD/Unit)

Figure Global Cost Analysis of Invisalign System 2010-2015 (USD/Unit)

Figure Global Gross Analysis of Invisalign System 2010-2015

Table Global and Major Manufacturers Capacity Invisalign System 2010-2015 (K Units)

Table Global Capacity Market Share of Major Invisalign System Manufacturers

2010-2015

Table Global and Major Manufacturers Production of Invisalign System 2010-2015 (K Units)

Table Global Production Market Share of Major Invisalign System Manufacturers

2010-2015

Figure Global Capacity (K Units), Production (K Units) and Growth Rate of Invisalign System 2010-2015

Figure Global Capacity Utilization Rate of Invisalign System 2010-2015

Table Global and Major Manufacturers Revenue of Invisalign System 2010-2015 (M USD)

Table Global Revenue Market Share of Major Invisalign System Manufacturers 2010-2015

Figure Global Revenue (M USD) and Growth Rate of Invisalign System 2010-2015

Table China and Major Manufacturers Capacity of Invisalign System 2010-2015 (K Units)

Table Capacity Market Share of China Major Invisalign System Manufacturers 2010-2015

Table China and Major Manufacturers Production 2010-2015 (K Units)

Table Production Market Share of China Major Manufacturers 2010-2015

Figure China Capacity (K Units), Production (K Units) and Growth Rate of Invisalign System 2010-2015

Figure China Capacity Utilization Rate of Invisalign System 2010-2015

Table China and Major Manufacturers Revenue of Invisalign System 2010-2015 (M



USD)

Table Revenue Market Share of China Major Manufacturers 2010-2015

Figure China Revenue (M USD) and Growth Rate of Invisalign System 2010-2015

Figure Global Production Market Share of Major Invisalign System Manufacturers in 2010

Figure Global Production Market Share of Major Invisalign System Manufacturers in 2011

Figure Global Production Market Share of Major Invisalign System Manufacturers in 2012

Figure Global Production Market Share of Major Invisalign System Manufacturers in 2013

Figure Global Production Market Share of Major Invisalign System Manufacturers in 2014

Figure Global Production Market Share of Major Invisalign System Manufacturers in 2015

Figure China Production Market Share of Major Invisalign System Manufacturers in 2010

Figure China Production Market Share of Major Invisalign System Manufacturers in 2011

Figure China Production Market Share of Major Invisalign System Manufacturers in 2012

Figure China Production Market Share of Major Invisalign System Manufacturers in 2013

Figure China Production Market Share of Major Invisalign System Manufacturers in 2014

Figure China Production Market Share of Major Invisalign System Manufacturers in 2015

Figure Global Sales (K Units) and Growth Rate of Invisalign System 2010-2015

Figure China Sales (K Units) and Growth Rate of Invisalign System 2010-2015

Table Global Supply, Sales and Shortage of Invisalign System 2010-2015 (K Units)

Table China Supply, Sales and Shortage of Invisalign System 2010-2015 (K Units)

Table China Import, Export and Consumption of Invisalign System 2010-2015 (K Units)

Table Price of Global Invisalign System Major Manufacturers 2010-2015 (USD/Unit)

Figure Price Comparison by Global Major Invisalign System Manufacturers in 2014 (USD/Unit)

Table Gross Margin of Global Invisalign System Major Manufacturers 2010-2015

Figure Gross Margin of Global Invisalign System Major Manufacturers in 2014

Table Global and Major Manufacturers Revenue of Invisalign System 2010-2015 (M USD)

Table Global Revenue Market Share of Major Invisalign System Manufacturers  
2010-2015

Figure Global Revenue Market Share of Major Invisalign System Manufacturers in 2011

Figure Global Revenue Market Share of Major Invisalign System Manufacturers in 2012

Figure Global Revenue Market Share of Major Invisalign System Manufacturers in 2013

Figure Global Revenue Market Share of Major Invisalign System Manufacturers in 2014

Figure Global Revenue Market Share of Major Invisalign System Manufacturers in 2015

Table China and Major Manufacturers of Invisalign System 2010-2015 (M USD)

Table Revenue Market Share of China Invisalign System Major Manufacturers  
2010-2015

Table Global Production (K Units), Price (USD/Unit), Cost (USD/Unit), Revenue (M  
USD) and Gross Margin of Invisalign System 2010-2015

Table China Production (K Units), Price (USD/Unit), Cost (USD/Unit), Revenue (M  
USD) and Gross Margin of Invisalign System 2010-2015

Figure Invisalign System Picture and Specifications of ALIGN TECHNOLOGY

Table Invisalign System Capacity (K Units), Production (K Units), Price (USD/Unit), Cost  
(USD/Unit), Gross (USD/Unit), Revenue (M USD) and Gross Margin of ALIGN  
TECHNOLOGY 2010-2015

Figure Invisalign System Capacity (K Units), Production (K Units) and Growth Rate of  
ALIGN TECHNOLOGY 2010-2015

Figure Invisalign System Production (K Units) and Global Market Share of ALIGN  
TECHNOLOGY 2010-2015

Figure Invisalign System Picture and Specifications of TP ORTHODONTICS

Table Invisalign System Capacity (K Units), Production (K Units), Price (USD/Unit), Cost  
(USD/Unit), Gross (USD/Unit), Revenue (M USD) and Gross Margin of TP  
ORTHODONTICS 2010-2015

Figure Invisalign System Capacity (K Units), Production (K Units) and Growth Rate of  
TP ORTHODONTICS 2010-2015

Figure Invisalign System Production (K Units) and Global Market Share of TP  
ORTHODONTICS 2010-2015

Figure Invisalign System Picture and Specifications of DENTAURUM GMBH &CO.KG

Table Invisalign System Capacity (K Units), Production (K Units), Price (USD/Unit), Cost  
(USD/Unit), Gross (USD/Unit), Revenue (M USD) and Gross Margin of DENTAURUM  
GMBH &CO.KG 2010-2015

Figure Invisalign System Capacity (K Units), Production (K Units) and Growth Rate of  
DENTAURUM GMBH &CO.KG 2010-2015

Figure Invisalign System Production (K Units) and Global Market Share of  
DENTAURUM GMBH &CO.KG 2010-2015

Figure Invisalign System Picture and Specifications of 3M

Table Invisalign System Capacity (K Units), Production (K Units), Price (USD/Unit), Cost (USD/Unit), Gross (USD/Unit), Revenue (M USD) and Gross Margin of 3M 2010-2015  
Figure Invisalign System Capacity (K Units), Production (K Units) and Growth Rate of 3M 2010-2015

Figure Invisalign System Production (K Units) and Global Market Share of 3M 2010-2015

Figure Invisalign System Picture and Specifications of Jiahong

Table Invisalign System Capacity (K Units), Production (K Units), Price (USD/Unit), Cost (USD/Unit), Gross (USD/Unit), Revenue (M USD) and Gross Margin of Jiahong 2010-2015

Figure Invisalign System Capacity (K Units), Production (K Units) and Growth Rate of Jiahong 2010-2015

Figure Invisalign System Production (K Units) and Global Market Share of Jiahong 2010-2015

Figure Invisalign System Picture and Specifications of HUAYU

Table Invisalign System Capacity (K Units), Production (K Units), Price (USD/Unit), Cost (USD/Unit), Gross (USD/Unit), Revenue (M USD) and Gross Margin of HUAYU 2010-2015

Figure Invisalign System Capacity (K Units), Production (K Units) and Growth Rate of HUAYU 2010-2015

Figure Invisalign System Production (K Units) and Global Market Share of HUAYU 2010-2015

Figure Invisalign System Picture and Specifications of SMARTEE

Table Invisalign System Capacity (K Units), Production (K Units), Price (USD/Unit), Cost (USD/Unit), Gross (USD/Unit), Revenue (M USD) and Gross Margin of SMARTEE 2010-2015

Figure Invisalign System Capacity (K Units), Production (K Units) and Growth Rate of SMARTEE 2010-2015

Figure Invisalign System Production (K Units) and Global Market Share of SMARTEE 2010-2015

Table Gross Margin of Global Regions 2010-2015

Table Price Comparison of Invisalign System by Regions 2010-2015 (USD/Unit)

Table Price of Different Invisalign System Product Types (USD/Unit)

Table Market Share of Different Invisalign System Price Level

Table Gross Margin of Different Invisalign System Applications

Table Traders or Distributors of Invisalign System with Contact Information

Table Ex-work Price, Channel Price and End Buyer Price of Invisalign System (USD/Unit)

Table Regional Import, Export, and Trade of Invisalign System (K Units)

Figure Global Capacity (K Units), Production (K Units) and Growth Rate of Invisalign System 2015-2020

Figure Global Capacity Utilization Rate of Invisalign System 2015-2020

Figure China Capacity (K Units), Production (K Units) and Growth Rate of Invisalign System 2015-2020

Figure China Capacity Utilization Rate of Invisalign System 2015-2020

Figure Global Production Market Share of Major Invisalign System Manufacturers in 2015

Figure Global Production Market Share of Major Invisalign System Manufacturers in 2020

Figure Production Market Share of China Major Invisalign System Manufacturers in 2015

Figure Production Market Share of China Major Invisalign System Manufacturers in 2020

Figure Global and China Sales (K Units) and Growth Rate of Invisalign System 2015-2020

Table Global Supply, Sales and Shortage of Invisalign System 2015-2020 (K Units)

Table China Supply, Sales and Shortage of Invisalign System 2015-2020 (K Units)

Table China Production, Import, Export and Consumption of Invisalign System 2015-2020 (K Units)

Table Global Production (K Units), Price (USD/Unit), Cost (USD/Unit), Revenue (M USD) and Gross Margin of Invisalign System 2015-2020

Table China Production (K Units), Price (USD/Unit), Cost (USD/Unit), Revenue (M USD) and Gross Margin of Invisalign System 2015-2020

Table Major Raw Materials Suppliers of Invisalign System with Contact Information

Table Manufacturing Equipment Suppliers of Invisalign System with Contact Information

Table Major Suppliers of Invisalign System with Contact Information

Table Key Consumers of Invisalign System with Contact Information

Figure Supply Chain Relationship Analysis of Invisalign System

Table New Project SWOT Analysis of Invisalign System

Table New Project Investment Feasibility Analysis of Invisalign System

Table Part of Interviews

## I would like to order

Product name: China Disposable Blood Cell Separator Industry Report 2015

Product link: <https://marketpublishers.com/r/CA07307AC7BEN.html>

Price: US\$ 3,200.00 (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/CA07307AC7BEN.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