+44 20 8123 2220
info@marketpublishers.com

Global Cardiology Pacemaker Programmer Market Research Report Forecast 2017-2021

https://marketpublishers.com/r/GAE5A0C67DCEN.html
Date: September 2017
Pages: 139
Price: US$ 2,240.00 (Single User License)
ID: GAE5A0C67DCEN

Abstracts

The Global Cardiology Pacemaker Programmer Market Research Report Forecast 2017-2021 is a valuable source of insightful data for business strategists. It provides the Cardiology Pacemaker Programmer industry overview with growth analysis and historical & futuristic cost, revenue, demand and supply data (as applicable). The research analysts provide an elaborate description of the value chain and its distributor analysis. This Cardiology Pacemaker Programmer market study provides comprehensive data which enhances the understanding, scope and application of this report.

This report provides comprehensive analysis of

Key market segments and sub-segments

Evolving market trends and dynamics

Changing supply and demand scenarios

Quantifying market opportunities through market sizing and market forecasting

Tracking current trends/opportunities/challenges

Competitive insights

Opportunity mapping in terms of technological breakthroughs

+44 20 8123 2220
info@marketpublishers.com

Global Cardiology Pacemaker Programmer Market: Regional Segment Analysis
North America
Europe
China
Japan
Southeast Asia
India

The Major players reported in the market include:
Medtronic
Boston Scientific
St. Jude Medical
Biotronik
Cameron Health
Ela Medical
Sorin Group
kartendesign
company 9

Global Cardiology Pacemaker Programmer Market: Product Segment Analysis
Type 1
Type 2
Type 3

Global Cardiology Pacemaker Programmer Market: Application Segment Analysis
Application 1
Application 2
Application 3

Reasons for Buying this Report

This report provides pin-point analysis for changing competitive dynamics

It provides a forward looking perspective on different factors driving or restraining market growth

It provides a six-year forecast assessed on the basis of how the market is predicted to grow

+44 20 8123 2220
info@marketpublishers.com

It helps in understanding the key product segments and their future

It provides pin point analysis of changing competition dynamics and keeps you ahead of competitors

It helps in making informed business decisions by having complete insights of market and by making in-depth analysis of market segments

+44 20 8123 2220
info@marketpublishers.com

Contents

CHAPTER 1 CARDIOLOGY PACEMAKER PROGRAMMER MARKET OVERVIEW

1.1 Product Overview and Scope of Cardiology Pacemaker Programmer
1.2 Cardiology Pacemaker Programmer Market Segmentation by Type
  1.2.1 Global Production Market Share of Cardiology Pacemaker Programmer by Type in 2015
  1.2.1 Type
  1.2.2 Type
  1.2.3 Type
1.3 Cardiology Pacemaker Programmer Market Segmentation by Application
  1.3.1 Cardiology Pacemaker Programmer Consumption Market Share by Application in 2015
  1.3.2 Application
  1.3.3 Application
  1.3.4 Application
1.4 Cardiology Pacemaker Programmer Market Segmentation by Regions
  1.4.1 North America
  1.4.2 China
  1.4.3 Europe
  1.4.4 Southeast Asia
  1.4.5 Japan
  1.4.6 India
1.5 Global Market Size (Value) of Cardiology Pacemaker Programmer (2012-2021)

CHAPTER 2 GLOBAL ECONOMIC IMPACT ON CARDIOLOGY PACEMAKER PROGRAMMER INDUSTRY

2.1 Global Macroeconomic Environment Analysis
  2.1.1 Global Macroeconomic Analysis
  2.1.2 Global Macroeconomic Environment Development Trend
2.2 Global Macroeconomic Environment Analysis by Regions

CHAPTER 3 GLOBAL CARDIOLOGY PACEMAKER PROGRAMMER MARKET COMPETITION BY MANUFACTURERS

3.1 Global Cardiology Pacemaker Programmer Production and Share by Manufacturers (2015 and 2016)

+44 20 8123 2220
info@marketpublishers.com

3.2 Global Cardiology Pacemaker Programmer Revenue and Share by Manufacturers (2015 and 2016)
3.3 Global Cardiology Pacemaker Programmer Average Price by Manufacturers (2015 and 2016)
3.4 Manufacturers Cardiology Pacemaker Programmer Manufacturing Base Distribution, Production Area and Product Type
3.5 Cardiology Pacemaker Programmer Market Competitive Situation and Trends
3.5.1 Cardiology Pacemaker Programmer Market Concentration Rate
3.5.2 Cardiology Pacemaker Programmer Market Share of Top 3 and Top 5 Manufacturers
3.5.3 Mergers & Acquisitions, Expansion

CHAPTER 4 GLOBAL CARDIOLOGY PACEMAKER PROGRAMMER PRODUCTION, REVENUE (VALUE) BY REGION (2012-2017)

4.1 Global Cardiology Pacemaker Programmer Production by Region (2012-2017)
4.2 Global Cardiology Pacemaker Programmer Production Market Share by Region (2012-2017)
4.3 Global Cardiology Pacemaker Programmer Revenue (Value) and Market Share by Region (2012-2017)
4.4 Global Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
4.5 North America Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
4.6 Europe Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
4.7 China Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
4.8 Japan Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
4.9 Southeast Asia Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
4.10 India Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)

CHAPTER 5 GLOBAL CARDIOLOGY PACEMAKER PROGRAMMER SUPPLY (PRODUCTION), CONSUMPTION, EXPORT, IMPORT BY REGIONS (2012-2017)

5.1 Global Cardiology Pacemaker Programmer Consumption by Regions (2012-2017)

+44 20 8123 2220
info@marketpublishers.com

5.2 North America Cardiology Pacemaker Programmer Production, Consumption, Export, Import by Regions (2012-2017)
5.3 Europe Cardiology Pacemaker Programmer Production, Consumption, Export, Import by Regions (2012-2017)
5.4 China Cardiology Pacemaker Programmer Production, Consumption, Export, Import by Regions (2012-2017)
5.5 Japan Cardiology Pacemaker Programmer Production, Consumption, Export, Import by Regions (2012-2017)
5.6 Southeast Asia Cardiology Pacemaker Programmer Production, Consumption, Export, Import by Regions (2012-2017)
5.7 India Cardiology Pacemaker Programmer Production, Consumption, Export, Import by Regions (2012-2017)

CHAPTER 6 GLOBAL CARDIOLOGY PACEMAKER PROGRAMMER PRODUCTION, REVENUE (VALUE), PRICE TREND BY TYPE

6.1 Global Cardiology Pacemaker Programmer Production and Market Share by Type (2012-2017)
6.2 Global Cardiology Pacemaker Programmer Revenue and Market Share by Type (2012-2017)
6.3 Global Cardiology Pacemaker Programmer Price by Type (2012-2017)
6.4 Global Cardiology Pacemaker Programmer Production Growth by Type (2012-2017)

CHAPTER 7 GLOBAL CARDIOLOGY PACEMAKER PROGRAMMER MARKET ANALYSIS BY APPLICATION

7.1 Global Cardiology Pacemaker Programmer Consumption and Market Share by Application (2012-2017)
7.2 Global Cardiology Pacemaker Programmer Consumption Growth Rate by Application (2012-2017)
7.3 Market Drivers and Opportunities
  7.3.1 Potential Applications
  7.3.2 Emerging Markets/Countries

CHAPTER 8 GLOBAL CARDIOLOGY PACEMAKER PROGRAMMER MANUFACTURERS ANALYSIS

8.1 Medtronic
  8.1.1 Company Basic Information, Manufacturing Base and Competitors

+44 20 8123 2220
info@marketpublishers.com

8.1.2 Product Type, Application and Specification
8.1.3 Production, Revenue, Price and Gross Margin (2012-2017)
8.1.4 Business Overview
8.2 Boston Scientific
8.2.1 Company Basic Information, Manufacturing Base and Competitors
8.2.2 Product Type, Application and Specification
8.2.3 Production, Revenue, Price and Gross Margin (2012-2017)
8.2.4 Business Overview
8.3 St. Jude Medical
8.3.1 Company Basic Information, Manufacturing Base and Competitors
8.3.2 Product Type, Application and Specification
8.3.3 Production, Revenue, Price and Gross Margin (2012-2017)
8.3.4 Business Overview
8.4 Biotronik
8.4.1 Company Basic Information, Manufacturing Base and Competitors
8.4.2 Product Type, Application and Specification
8.4.3 Production, Revenue, Price and Gross Margin (2012-2017)
8.4.4 Business Overview
8.5 Cameron Health
8.5.1 Company Basic Information, Manufacturing Base and Competitors
8.5.2 Product Type, Application and Specification
8.5.3 Production, Revenue, Price and Gross Margin (2012-2017)
8.5.4 Business Overview
8.6 Ela Medical
8.6.1 Company Basic Information, Manufacturing Base and Competitors
8.6.2 Product Type, Application and Specification
8.6.3 Production, Revenue, Price and Gross Margin (2012-2017)
8.6.4 Business Overview
8.7 Sorin Group
8.7.1 Company Basic Information, Manufacturing Base and Competitors
8.7.2 Product Type, Application and Specification
8.7.3 Production, Revenue, Price and Gross Margin (2012-2017)
8.7.4 Business Overview
8.8 kartendesign
8.8.1 Company Basic Information, Manufacturing Base and Competitors
8.8.2 Product Type, Application and Specification
8.8.3 Production, Revenue, Price and Gross Margin (2012-2017)
8.8.4 Business Overview
8.9 company

+44 20 8123 2220
info@marketpublishers.com

8.9.1 Company Basic Information, Manufacturing Base and Competitors
8.9.2 Product Type, Application and Specification
8.9.3 Production, Revenue, Price and Gross Margin (2012-2017)
8.9.4 Business Overview

CHAPTER 9 CARDIOLOGY PACEMAKER PROGRAMMER MANUFACTURING COST ANALYSIS

9.1 Cardiology Pacemaker Programmer Key Raw Materials Analysis
9.1.1 Key Raw Materials
9.1.2 Price Trend of Key Raw Materials
9.1.3 Key Suppliers of Raw Materials
9.1.4 Market Concentration Rate of Raw Materials
9.2 Proportion of Manufacturing Cost Structure
9.2.1 Raw Materials
9.2.2 Labor Cost
9.2.3 Manufacturing Expenses
9.3 Manufacturing Process Analysis of Cardiology Pacemaker Programmer

CHAPTER 10 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

10.1 Cardiology Pacemaker Programmer Industrial Chain Analysis
10.2 Upstream Raw Materials Sourcing
10.3 Raw Materials Sources of Cardiology Pacemaker Programmer Major Manufacturers in 2015
10.4 Downstream Buyers

CHAPTER 11 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

11.1 Marketing Channel
11.1.1 Direct Marketing
11.1.2 Indirect Marketing
11.1.3 Marketing Channel Development Trend
11.2 Market Positioning
11.2.1 Pricing Strategy
11.2.2 Brand Strategy
11.2.3 Target Client
11.3 Distributors/Traders List

+44 20 8123 2220
info@marketpublishers.com

CHAPTER 12 MARKET EFFECT FACTORS ANALYSIS

12.1 Technology Progress/Risk
  12.1.1 Substitutes Threat
  12.1.2 Technology Progress in Related Industry
12.2 Consumer Needs/Customer Preference Change
12.3 Economic/Political Environmental Change

CHAPTER 13 GLOBAL CARDIOLOGY PACEMAKER PROGRAMMER MARKET FORECAST (2017-2021)

13.1 Global Cardiology Pacemaker Programmer Production, Revenue Forecast (2017-2021)
13.2 Global Cardiology Pacemaker Programmer Production, Consumption Forecast by Regions (2017-2021)
13.3 Global Cardiology Pacemaker Programmer Production Forecast by Type (2017-2021)
13.4 Global Cardiology Pacemaker Programmer Consumption Forecast by Application (2017-2021)
13.5 Cardiology Pacemaker Programmer Price Forecast (2017-2021)

CHAPTER 14 APPENDIX

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of Cardiology Pacemaker Programmer
Figure Global Production Market Share of Cardiology Pacemaker Programmer by Type in 2015
Figure Product Picture of Type I
Table Major Manufacturers of Type I
Figure Product Picture of Type II
Table Major Manufacturers of Type II
Figure Product Picture of Type III
Table Major Manufacturers of Type III
Table Cardiology Pacemaker Programmer Consumption Market Share by Application in 2015
Figure Application 1 Examples
Figure Application 2 Examples
Figure Application 3 Examples
Figure North America Cardiology Pacemaker Programmer Revenue (Million USD) and Growth Rate (2012-2021)
Figure Europe Cardiology Pacemaker Programmer Revenue (Million USD) and Growth Rate (2012-2021)
Figure China Cardiology Pacemaker Programmer Revenue (Million USD) and Growth Rate (2012-2021)
Figure Japan Cardiology Pacemaker Programmer Revenue (Million USD) and Growth Rate (2012-2021)
Figure Southeast Asia Cardiology Pacemaker Programmer Revenue (Million USD) and Growth Rate (2012-2021)
Figure India Cardiology Pacemaker Programmer Revenue (Million USD) and Growth Rate (2012-2021)
Figure Global Cardiology Pacemaker Programmer Revenue (Million UDS) and Growth Rate (2012-2021)
Table Global Cardiology Pacemaker Programmer Capacity of Key Manufacturers (2015 and 2016)
Table Global Cardiology Pacemaker Programmer Capacity Market Share by Manufacturers (2015 and 2016)
Figure Global Cardiology Pacemaker Programmer Capacity of Key Manufacturers in 2015
Figure Global Cardiology Pacemaker Programmer Capacity of Key Manufacturers in

+44 20 8123 2220
info@marketpublishers.com

2016
Table Global Cardiology Pacemaker Programmer Production of Key Manufacturers (2015 and 2016)
Table Global Cardiology Pacemaker Programmer Production Share by Manufacturers (2015 and 2016)
Figure 2015 Cardiology Pacemaker Programmer Production Share by Manufacturers
Figure 2016 Cardiology Pacemaker Programmer Production Share by Manufacturers
Table Global Cardiology Pacemaker Programmer Revenue (Million USD) by Manufacturers (2015 and 2016)
Table Global Cardiology Pacemaker Programmer Revenue Share by Manufacturers (2015 and 2016)
Table 2015 Global Cardiology Pacemaker Programmer Revenue Share by Manufacturers
Table 2016 Global Cardiology Pacemaker Programmer Revenue Share by Manufacturers
Table Global Market Cardiology Pacemaker Programmer Average Price of Key Manufacturers (2015 and 2016)
Figure Global Market Cardiology Pacemaker Programmer Average Price of Key Manufacturers in 2015
Table Manufacturers Cardiology Pacemaker Programmer Manufacturing Base Distribution and Sales Area
Table Manufacturers Cardiology Pacemaker Programmer Product Type
Figure Cardiology Pacemaker Programmer Market Share of Top 3 Manufacturers
Figure Cardiology Pacemaker Programmer Market Share of Top 5 Manufacturers
Table Global Cardiology Pacemaker Programmer Capacity by Regions (2012-2017)
Figure Global Cardiology Pacemaker Programmer Capacity Market Share by Regions (2012-2017)
Figure Global Cardiology Pacemaker Programmer Capacity Market Share by Regions (2012-2017)
Figure 2015 Global Cardiology Pacemaker Programmer Capacity Market Share by Regions
Table Global Cardiology Pacemaker Programmer Production by Regions (2012-2017)
Figure Global Cardiology Pacemaker Programmer Production and Market Share by Regions (2012-2017)
Figure Global Cardiology Pacemaker Programmer Production Market Share by Regions (2012-2017)
Figure 2015 Global Cardiology Pacemaker Programmer Production Market Share by Regions
Table Global Cardiology Pacemaker Programmer Revenue by Regions (2012-2017)

+44 20 8123 2220
info@marketpublishers.com

Table Global Cardiology Pacemaker Programmer Revenue Market Share by Regions (2012-2017)
Table 2015 Global Cardiology Pacemaker Programmer Revenue Market Share by Regions
Table Global Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table North America Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Europe Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table China Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Japan Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Southeast Asia Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table India Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Global Cardiology Pacemaker Programmer Consumption Market by Regions (2012-2017)
Table Global Cardiology Pacemaker Programmer Consumption Market Share by Regions (2012-2017)
Figure Global Cardiology Pacemaker Programmer Consumption Market Share by Regions (2012-2017)
Figure 2015 Global Cardiology Pacemaker Programmer Consumption Market Share by Regions
Table North America Cardiology Pacemaker Programmer Production, Consumption, Import & Export (2012-2017)
Table Europe Cardiology Pacemaker Programmer Production, Consumption, Import & Export (2012-2017)
Table China Cardiology Pacemaker Programmer Production, Consumption, Import & Export (2012-2017)
Table Japan Cardiology Pacemaker Programmer Production, Consumption, Import & Export (2012-2017)
Table Southeast Asia Cardiology Pacemaker Programmer Production, Consumption, Import & Export (2012-2017)
Table India Cardiology Pacemaker Programmer Production, Consumption, Import & Export (2012-2017)
Table Global Cardiology Pacemaker Programmer Production by Type (2012-2017)

+44 20 8123 2220
info@marketpublishers.com

Table Global Cardiology Pacemaker Programmer Production Share by Type (2012-2017)
Figure Production Market Share of Cardiology Pacemaker Programmer by Type (2012-2017)
Figure 2015 Production Market Share of Cardiology Pacemaker Programmer by Type
Table Global Cardiology Pacemaker Programmer Revenue by Type (2012-2017)
Table Global Cardiology Pacemaker Programmer Revenue Share by Type (2012-2017)
Figure Production Revenue Share of Cardiology Pacemaker Programmer by Type (2012-2017)
Figure 2015 Revenue Market Share of Cardiology Pacemaker Programmer by Type
Table Global Cardiology Pacemaker Programmer Price by Type (2012-2017)
Figure Global Cardiology Pacemaker Programmer Production Growth by Type (2012-2017)
Table Global Cardiology Pacemaker Programmer Consumption by Application (2012-2017)
Table Global Cardiology Pacemaker Programmer Consumption Market Share by Application (2012-2017)
Figure Global Cardiology Pacemaker Programmer Consumption Market Share by Application in 2015
Table Global Cardiology Pacemaker Programmer Consumption Growth Rate by Application (2012-2017)
Figure Global Cardiology Pacemaker Programmer Consumption Growth Rate by Application (2012-2017)
Table Medtronic Basic Information, Manufacturing Base, Production Area and Its Competitors
Table Medtronic Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Medtronic Cardiology Pacemaker Programmer Market Share (2012-2017)
Table Boston Scientific Basic Information, Manufacturing Base, Production Area and Its Competitors
Table Boston Scientific Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Boston Scientific Cardiology Pacemaker Programmer Market Share (2012-2017)
Table St. Jude Medical Basic Information, Manufacturing Base, Production Area and Its Competitors
Table St. Jude Medical Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table St. Jude Medical Cardiology Pacemaker Programmer Market Share (2012-2017)
Table Biotronik Basic Information, Manufacturing Base, Production Area and Its

+44 20 8123 2220
info@marketpublishers.com

Competitors
Table Biotronik Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Biotronik Cardiology Pacemaker Programmer Market Share (2012-2017)
Table Cameron Health Basic Information, Manufacturing Base, Production Area and Its Competitors
Table Cameron Health Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Cameron Health Cardiology Pacemaker Programmer Market Share (2012-2017)
Table Ela Medical Basic Information, Manufacturing Base, Production Area and Its Competitors
Table Ela Medical Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Ela Medical Cardiology Pacemaker Programmer Market Share (2012-2017)
Table Sorin Group Basic Information, Manufacturing Base, Production Area and Its Competitors
Table Sorin Group Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table Sorin Group Cardiology Pacemaker Programmer Market Share (2012-2017)
Table kartendesign Basic Information, Manufacturing Base, Production Area and Its Competitors
Table kartendesign Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table kartendesign Cardiology Pacemaker Programmer Market Share (2012-2017)
Table company 9 Basic Information, Manufacturing Base, Production Area and Its Competitors
Table company 9 Cardiology Pacemaker Programmer Production, Revenue, Price and Gross Margin (2012-2017)
Table company 9 Cardiology Pacemaker Programmer Market Share (2012-2017)
Table Production Base and Market Concentration Rate of Raw Material
Figure Price Trend of Key Raw Materials
Table Key Suppliers of Raw Materials
Figure Manufacturing Cost Structure of Cardiology Pacemaker Programmer
Figure Manufacturing Process Analysis of Cardiology Pacemaker Programmer
Figure Cardiology Pacemaker Programmer Industrial Chain Analysis
Table Raw Materials Sources of Cardiology Pacemaker Programmer Major Manufacturers in 2015
Table Major Buyers of Cardiology Pacemaker Programmer
Table Distributors/Traders List

+44 20 8123 2220
info@marketpublishers.com

Figure Global Cardiology Pacemaker Programmer Production and Growth Rate Forecast (2017-2021)
Figure Global Cardiology Pacemaker Programmer Revenue and Growth Rate Forecast (2017-2021)
Table Global Cardiology Pacemaker Programmer Production Forecast by Regions (2017-2021)
Table Global Cardiology Pacemaker Programmer Consumption Forecast by Regions (2017-2021)
Table Global Cardiology Pacemaker Programmer Production Forecast by Type (2017-2021)
Table Global Cardiology Pacemaker Programmer Consumption Forecast by Application (2017-2021)

COMPANIES MENTIONED

Medtronic
Boston Scientific
St. Jude Medical
Biotronik
Cameron Health
Ela Medical
Sorin Group
kartendesign

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Global Cardiology Pacemaker Programmer Market Research Report Forecast 2017-2021
Product link: https://marketpublishers.com/r/GAE5A0C67DCEN.html
Price: US$ 2,240.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GAE5A0C67DCEN.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

Custumer 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