

Global Boron Nitride Nanotubes (BNNT) Market Status, Trends and COVID-19 Impact Report 2022

<https://marketpublishers.com/r/GC03146567F4EN.html>

Date: March 2023

Pages: 122

Price: US\$ 2,350.00 (Single User License)

ID: GC03146567F4EN

Abstracts

In the past few years, the Boron Nitride Nanotubes (BNNT) market experienced a huge change under the influence of COVID-19 and Russia-Ukraine War, the global market size of Boron Nitride Nanotubes (BNNT) reached XXX million \$ in 2022 from XXX in 2017 with a CAGR of XXX from 2017-2022. Facing the complicated international situation, the future of the Boron Nitride Nanotubes (BNNT) market is full of uncertain. BisReport predicts that the global Boron Nitride Nanotubes (BNNT) market size will reach XXX million \$ in 2028 with a CAGR of xx% from 2022-2028.

Since the outbreak of COVID-19, the world economy continues to suffer from a series of destabilizing shocks, many companies experienced bankruptcy and a sharp decline in turnover. After more than two years of pandemic, global economy began to recover, entering 2022, the Russian Federation's invasion of Ukraine and its global effects on commodity markets, supply chains, inflation, and financial conditions have steepened the slowdown in global growth. In particular, the war in Ukraine is leading to soaring prices and volatility in energy markets, with improvements in activity in energy exporters more than offset by headwinds to activity in most other economies. The invasion of Ukraine has also led to a significant increase in agricultural commodity prices, which is exacerbating food insecurity and extreme poverty in many emerging market and developing economies.

Numerous risks could further derail what is now a precarious recovery. Among them is, in particular, the possibility of stubbornly high global inflation accompanied by tepid growth, reminiscent of the stagflation of the 1970s. This could eventually result in a sharp tightening of monetary policy in advanced economies to rein in inflation, lead to surging borrowing costs, and possibly culminate in financial stress in some emerging market and developing economies. A forceful and wide-ranging policy response is

required by policy makers in these economies and the global community to boost growth, bolster macroeconomic frameworks, reduce financial vulnerabilities, provide support to vulnerable population groups, and attenuate the long-term impacts of the global shocks of recent years.

In this complex international situation, BisReport published Global Boron Nitride Nanotubes (BNNT) Market Status, Trends and COVID-19 Impact Report 2022, which provides a comprehensive analysis of the global Boron Nitride Nanotubes (BNNT) market. This Report covers the manufacturer data, including: sales volume, price, revenue, gross margin, business distribution etc., these data help the consumer know about the competitors better. This report also covers all the regions and countries of the world, which shows the regional development status, including market size, volume and value, as well as price data. Besides, the report also covers segment data, including: type segment, application segment, channel segment etc. historic data period is from 2017-2022, the forecast data from 2023-2028.

Section 1: 100 USD——Market Overview

Section (2 3): 1200 USD——Manufacturer Detail

Tekna

BNNT

BN Nano

Nan Integris

Section 4: 900 USD——Region Segment

North America (United States, Canada, Mexico)

South America (Brazil, Argentina, Other)

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

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

Middle East and Africa (Middle East, South Africa, Egypt)

Section (5 6 7): 700 USD——

Product Type Segment

70%-90% Purity

90%-98% Purity

?98% Purity

Application Segment

Advanced Aerospace Materials

Synthetic and Biomedical
Piezoelectric Material

Channel Segment (Direct Sales, Distribution Channel)

Section 8: 500 USD——Market Forecast (2023-2028)

Section 9: 600 USD——Downstream Customers

Section 10: 200 USD——Raw Material and Manufacturing Cost

Section 11: 500 USD——Conclusion

Section 12: Research Method and Data Source

Contents

SECTION 1 BORON NITRIDE NANOTUBES (BNNT) MARKET OVERVIEW

- 1.1 Boron Nitride Nanotubes (BNNT) Market Scope
- 1.2 COVID-19 Impact on Boron Nitride Nanotubes (BNNT) Market
- 1.3 Global Boron Nitride Nanotubes (BNNT) Market Status and Forecast Overview
 - 1.3.1 Global Boron Nitride Nanotubes (BNNT) Market Status 2017-2022
 - 1.3.2 Global Boron Nitride Nanotubes (BNNT) Market Forecast 2023-2028
- 1.4 Global Boron Nitride Nanotubes (BNNT) Market Overview by Region
- 1.5 Global Boron Nitride Nanotubes (BNNT) Market Overview by Type
- 1.6 Global Boron Nitride Nanotubes (BNNT) Market Overview by Application

SECTION 2 GLOBAL BORON NITRIDE NANOTUBES (BNNT) MARKET MANUFACTURER SHARE

- 2.1 Global Manufacturer Boron Nitride Nanotubes (BNNT) Sales Volume
- 2.2 Global Manufacturer Boron Nitride Nanotubes (BNNT) Business Revenue
- 2.3 Global Manufacturer Boron Nitride Nanotubes (BNNT) Price

SECTION 3 MANUFACTURER BORON NITRIDE NANOTUBES (BNNT) BUSINESS INTRODUCTION

- 3.1 Tekna Boron Nitride Nanotubes (BNNT) Business Introduction
 - 3.1.1 Tekna Boron Nitride Nanotubes (BNNT) Sales Volume, Price, Revenue and Gross margin 2017-2022
 - 3.1.2 Tekna Boron Nitride Nanotubes (BNNT) Business Distribution by Region
 - 3.1.3 Tekna Interview Record
 - 3.1.4 Tekna Boron Nitride Nanotubes (BNNT) Business Profile
 - 3.1.5 Tekna Boron Nitride Nanotubes (BNNT) Product Specification
- 3.2 BNNT Boron Nitride Nanotubes (BNNT) Business Introduction
 - 3.2.1 BNNT Boron Nitride Nanotubes (BNNT) Sales Volume, Price, Revenue and Gross margin 2017-2022
 - 3.2.2 BNNT Boron Nitride Nanotubes (BNNT) Business Distribution by Region
 - 3.2.3 Interview Record
 - 3.2.4 BNNT Boron Nitride Nanotubes (BNNT) Business Overview
 - 3.2.5 BNNT Boron Nitride Nanotubes (BNNT) Product Specification
- 3.3 Manufacturer three Boron Nitride Nanotubes (BNNT) Business Introduction
 - 3.3.1 Manufacturer three Boron Nitride Nanotubes (BNNT) Sales Volume, Price,

Revenue and Gross margin 2017-2022

3.3.2 Manufacturer three Boron Nitride Nanotubes (BNNT) Business Distribution by Region

3.3.3 Interview Record

3.3.4 Manufacturer three Boron Nitride Nanotubes (BNNT) Business Overview

3.3.5 Manufacturer three Boron Nitride Nanotubes (BNNT) Product Specification

3.4 Manufacturer four Boron Nitride Nanotubes (BNNT) Business Introduction

3.4.1 Manufacturer four Boron Nitride Nanotubes (BNNT) Sales Volume, Price, Revenue and Gross margin 2017-2022

3.4.2 Manufacturer four Boron Nitride Nanotubes (BNNT) Business Distribution by Region

3.4.3 Interview Record

3.4.4 Manufacturer four Boron Nitride Nanotubes (BNNT) Business Overview

3.4.5 Manufacturer four Boron Nitride Nanotubes (BNNT) Product Specification

3.5

3.6

SECTION 4 GLOBAL BORON NITRIDE NANOTUBES (BNNT) MARKET SEGMENT (BY REGION)

4.1 North America Country

4.1.1 United States Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022

4.1.2 Canada Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022

4.1.3 Mexico Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022

4.2 South America Country

4.2.1 Brazil Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022

4.2.2 Argentina Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022

4.3 Asia Pacific

4.3.1 China Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022

4.3.2 Japan Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022

4.3.3 India Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022

- 4.3.4 Korea Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
- 4.3.5 Southeast Asia Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
- 4.4 Europe Country
 - 4.4.1 Germany Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
 - 4.4.2 UK Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
 - 4.4.3 France Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
 - 4.4.4 Spain Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
 - 4.4.5 Russia Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
 - 4.4.6 Italy Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
- 4.5 Middle East and Africa
 - 4.5.1 Middle East Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
 - 4.5.2 South Africa Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
 - 4.5.3 Egypt Boron Nitride Nanotubes (BNNT) Market Size and Price Analysis 2017-2022
- 4.6 Global Boron Nitride Nanotubes (BNNT) Market Segment (By Region) Analysis 2017-2022
- 4.7 Global Boron Nitride Nanotubes (BNNT) Market Segment (By Country) Analysis 2017-2022
- 4.8 Global Boron Nitride Nanotubes (BNNT) Market Segment (By Region) Analysis

SECTION 5 GLOBAL BORON NITRIDE NANOTUBES (BNNT) MARKET SEGMENT (BY PRODUCT TYPE)

- 5.1 Product Introduction by Type
 - 5.1.1 70%-90% Purity Product Introduction
 - 5.1.2 90%-98% Purity Product Introduction
 - 5.1.3 ?98% Purity Product Introduction
- 5.2 Global Boron Nitride Nanotubes (BNNT) Sales Volume (by Type) 2017-2022
- 5.3 Global Boron Nitride Nanotubes (BNNT) Market Size (by Type) 2017-2022
- 5.4 Different Boron Nitride Nanotubes (BNNT) Product Type Price 2017-2022
- 5.5 Global Boron Nitride Nanotubes (BNNT) Market Segment (By Type) Analysis

SECTION 6 GLOBAL BORON NITRIDE NANOTUBES (BNNT) MARKET SEGMENT (BY APPLICATION)

- 6.1 Global Boron Nitride Nanotubes (BNNT) Sales Volume (by Application) 2017-2022
- 6.2 Global Boron Nitride Nanotubes (BNNT) Market Size (by Application) 2017-2022
- 6.3 Boron Nitride Nanotubes (BNNT) Price in Different Application Field 2017-2022
- 6.4 Global Boron Nitride Nanotubes (BNNT) Market Segment (By Application) Analysis

SECTION 7 GLOBAL BORON NITRIDE NANOTUBES (BNNT) MARKET SEGMENT (BY CHANNEL)

- 7.1 Global Boron Nitride Nanotubes (BNNT) Market Segment (By Channel) Sales Volume and Share 2017-2022
- 7.2 Global Boron Nitride Nanotubes (BNNT) Market Segment (By Channel) Analysis

SECTION 8 GLOBAL BORON NITRIDE NANOTUBES (BNNT) MARKET FORECAST 2023-2028

- 8.1 Boron Nitride Nanotubes (BNNT) Segment Market Forecast 2023-2028 (By Region)
- 8.2 Boron Nitride Nanotubes (BNNT) Segment Market Forecast 2023-2028 (By Type)
- 8.3 Boron Nitride Nanotubes (BNNT) Segment Market Forecast 2023-2028 (By Application)
- 8.4 Boron Nitride Nanotubes (BNNT) Segment Market Forecast 2023-2028 (By Channel)
- 8.5 Global Boron Nitride Nanotubes (BNNT) Price (USD/Unit) Forecast

SECTION 9 BORON NITRIDE NANOTUBES (BNNT) APPLICATION AND CUSTOMER ANALYSIS

- 9.1 Advanced Aerospace Materials Customers
- 9.2 Synthetic and Biomedical Customers
- 9.3 Piezoelectric Material Customers

SECTION 10 BORON NITRIDE NANOTUBES (BNNT) MANUFACTURING COST OF ANALYSIS

- 10.1 Raw Material Cost Analysis
- 10.2 Labor Cost Analysis

10.3 Cost Overview

SECTION 11 CONCLUSION

12 RESEARCH METHOD AND DATA SOURCE

Chart And Figure

CHART AND FIGURE

Figure Boron Nitride Nanotubes (BNNT) Product Picture

Chart Global Boron Nitride Nanotubes (BNNT) Market Size (with or without the impact of COVID-19)

Chart Global Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Growth Rate 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Size (Million \$) and Growth Rate 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Growth Rate 2023-2028

Chart Global Boron Nitride Nanotubes (BNNT) Market Size (Million \$) and Growth Rate 2023-2028

Table Global Boron Nitride Nanotubes (BNNT) Market Overview by Region

Table Global Boron Nitride Nanotubes (BNNT) Market Overview by Type

Table Global Boron Nitride Nanotubes (BNNT) Market Overview by Application

Chart 2017-2022 Global Manufacturer Boron Nitride Nanotubes (BNNT) Sales Volume (Units)

Chart 2017-2022 Global Manufacturer Boron Nitride Nanotubes (BNNT) Sales Volume Share

Chart 2017-2022 Global Manufacturer Boron Nitride Nanotubes (BNNT) Business Revenue (Million USD)

Chart 2017-2022 Global Manufacturer Boron Nitride Nanotubes (BNNT) Business Revenue Share

Chart 2017-2022 Global Manufacturer Boron Nitride Nanotubes (BNNT) Business Price (USD/Unit)

Chart Tekna Boron Nitride Nanotubes (BNNT) Sales Volume, Price, Revenue and Gross margin 2017-2022

Chart Tekna Boron Nitride Nanotubes (BNNT) Business Distribution

Chart Tekna Interview Record (Partly)

Chart Tekna Boron Nitride Nanotubes (BNNT) Business Profile

Table Tekna Boron Nitride Nanotubes (BNNT) Product Specification

Chart United States Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart United States Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Canada Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size

(Million \$) 2017-2022

Chart Canada Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Mexico Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Mexico Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Brazil Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Brazil Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Argentina Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Argentina Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart China Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart China Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Japan Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Japan Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart India Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart India Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Korea Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Korea Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Southeast Asia Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Southeast Asia Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Germany Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Germany Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart UK Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart UK Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart France Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart France Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Spain Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Spain Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Russia Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Russia Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Italy Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Italy Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Middle East Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Middle East Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart South Africa Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart South Africa Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Egypt Boron Nitride Nanotubes (BNNT) Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Egypt Boron Nitride Nanotubes (BNNT) Sales Price (USD/Unit) 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment Sales Volume (Units) by Region 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment Sales Volume (Units) Share by Region 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment Market size (Million \$) by Region 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment Market size (Million \$) Share by Region 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment Sales Volume (Units) by Country 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment Sales Volume (Units) Share by Country 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment Market size (Million \$) by Country 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment Market size (Million \$) Share by Country 2017-2022

Chart 70%-90% Purity Product Figure

Chart 70%-90% Purity Product Description

Chart 90%-98% Purity Product Figure

Chart 90%-98% Purity Product Description

Chart ?98% Purity Product Figure

Chart ?98% Purity Product Description

Chart Boron Nitride Nanotubes (BNNT) Sales Volume by Type (Units) 2017-2022

Chart Boron Nitride Nanotubes (BNNT) Sales Volume (Units) Share by Type

Chart Boron Nitride Nanotubes (BNNT) Market Size by Type (Million \$) 2017-2022
Chart Boron Nitride Nanotubes (BNNT) Market Size (Million \$) Share by Type
Chart Different Boron Nitride Nanotubes (BNNT) Product Type Price (USD/Unit)
2017-2022

Chart Boron Nitride Nanotubes (BNNT) Sales Volume by Application (Units) 2017-2022
Chart Boron Nitride Nanotubes (BNNT) Sales Volume (Units) Share by Application
Chart Boron Nitride Nanotubes (BNNT) Market Size by Application (Million \$)
2017-2022

Chart Boron Nitride Nanotubes (BNNT) Market Size (Million \$) Share by Application
Chart Boron Nitride Nanotubes (BNNT) Price in Different Application Field 2017-2022
Chart Global Boron Nitride Nanotubes (BNNT) Market Segment (By Channel) Sales
Volume (Units) 2017-2022

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment (By Channel) Share
2017-2022

Chart Boron Nitride Nanotubes (BNNT) Segment Market Sales Volume (Units) Forecast
(by Region) 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Segment Market Sales Volume Forecast (By
Region) Share 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Segment Market Size (Million USD) Forecast
(By Region) 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Segment Market Size Forecast (By Region)
Share 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Market Segment (By Type) Volume (Units)
2023-2028

Chart Boron Nitride Nanotubes (BNNT) Market Segment (By Type) Volume (Units)
Share 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Market Segment (By Type) Market Size (Million
\$) 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Market Segment (By Type) Market Size (Million
\$) 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Market Segment (By Application) Market Size
(Volume) 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Market Segment (By Application) Market Size
(Volume) Share 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Market Segment (By Application) Market Size
(Value) 2023-2028

Chart Boron Nitride Nanotubes (BNNT) Market Segment (By Application) Market Size
(Value) Share 2023-2028

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment (By Channel) Sales

Volume (Units) 2023-2028

Chart Global Boron Nitride Nanotubes (BNNT) Market Segment (By Channel) Share
2023-2028

Chart Global Boron Nitride Nanotubes (BNNT) Price Forecast 2023-2028

Chart Advanced Aerospace Materials Customers

Chart Synthetic and Biomedical Customers

Chart Piezoelectric Material Customers

I would like to order

Product name: Global Boron Nitride Nanotubes (BNNT) Market Status, Trends and COVID-19 Impact Report 2022

Product link: <https://marketpublishers.com/r/GC03146567F4EN.html>

Price: US\$ 2,350.00 (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/GC03146567F4EN.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

