

# 2015-2027 Global Industrial Spraying Equipment Industry Market Research Report, Segment by Player, Type, Application, Marketing Channel, and Region

<https://marketpublishers.com/r/27E0B3B89806EN.html>

Date: March 2020

Pages: 117

Price: US\$ 3,460.00 (Single User License)

ID: 27E0B3B89806EN

## Abstracts

The worldwide market for Industrial Spraying Equipment is estimated to grow at a CAGR of roughly X.X% in the next 8 years, and will reach X.X million US\$ in 2027, from X.X million US\$ in 2020.

The report covers market size status and forecast, value chain analysis, market segmentation of Top countries in Major Regions, such as North America, Europe, Asia-Pacific, Latin America and Middle East & Africa, by type, application and marketing channel. In addition, the report focuses on the driving factors, restraints, opportunities and PEST analysis of major regions.

### Major Companies Covered

Exel Industries

Graco Inc

SATA GmbH & Co

3M

Oliver Technologies

Fuji Industrial Spray Equipment Ltd

Binks

Hi Tec Spray

### Major Types Covered

Conventional Sprayers

High Volume Low Pressure Sprayers

Airless Sprayers

Others

## Major Applications Covered

Industrial Machinery

Gas & Chemicals

Others

## Top Countries Data Covered in This Report

United States

Canada

Germany

UK

France

Italy

Spain

Russia

Netherlands

Turkey

Switzerland

Sweden

Poland

Belgium

China

Japan

South Korea

Australia

India

Taiwan

Indonesia

Thailand

Philippines

Malaysia

Brazil

Mexico

Argentina

Columbia

Chile

Saudi Arabia

UAE

Egypt

Nigeria  
South Africa

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2027

## Contents

### **1 INTRODUCTION**

- 1.1 Objective of the Study
- 1.2 Definition of the Market
- 1.3 Market Scope
  - 1.3.1 Market Segment by Type, Application and Marketing Channel
  - 1.3.2 Major Regions Covered (North America, Europe, Asia Pacific, Mid East & Africa)
- 1.4 Years Considered for the Study (2015-2027)
- 1.5 Currency Considered (U.S. Dollar)
- 1.6 Stakeholders

### **2 KEY FINDINGS OF THE STUDY**

### **3 MARKET DYNAMICS**

- 3.1 Driving Factors for this Market
- 3.2 Factors Challenging the Market
- 3.3 Opportunities of the Global Industrial Spraying Equipment Market (Regions, Growing/Emerging Downstream Market Analysis)
- 3.4 Technological and Market Developments in the Industrial Spraying Equipment Market
- 3.5 Industry News by Region
- 3.6 Regulatory Scenario by Region/Country
- 3.7 Market Investment Scenario Strategic Recommendations Analysis

### **4 VALUE CHAIN OF THE INDUSTRIAL SPRAYING EQUIPMENT MARKET**

- 4.1 Value Chain Status
- 4.2 Upstream Raw Material Analysis
- 4.3 Midstream Major Company Analysis (by Manufacturing Base, by Product Type)
- 4.4 Distributors/Traders
- 4.5 Downstream Major Customer Analysis (by Region)

### **5 GLOBAL INDUSTRIAL SPRAYING EQUIPMENT MARKET-SEGMENTATION BY TYPE**

- 5.1 Conventional Sprayers

- 5.2 High Volume Low Pressure Sprayers
- 5.3 Airless Sprayers
- 5.4 Others

## **6 GLOBAL INDUSTRIAL SPRAYING EQUIPMENT MARKET-SEGMENTATION BY APPLICATION**

- 6.1 Industrial Machinery
- 6.2 Gas & Chemicals
- 6.3 Others

## **7 GLOBAL INDUSTRIAL SPRAYING EQUIPMENT MARKET-SEGMENTATION BY MARKETING CHANNEL**

- 7.1 Traditional Marketing Channel (Offline)
- 7.2 Online Channel

## **8 COMPETITIVE INTELLIGENCE – COMPANY PROFILES**

- 8.1 Exel Industries
  - 8.1.1 Exel Industries Profile
  - 8.1.2 Exel Industries Sales, Growth Rate and Global Market Share from 2015-2020
  - 8.1.3 Exel Industries Product/Solution Launches and Enhancements Analysis
  - 8.1.4 Exel Industries Business Overview/Recent Development/Acquisitions
- 8.2 Graco Inc
  - 8.2.1 Graco Inc Profile
  - 8.2.2 Graco Inc Sales, Growth Rate and Global Market Share from 2015-2020
  - 8.2.3 Graco Inc Product/Solution Launches and Enhancements Analysis
  - 8.2.4 Graco Inc Business Overview/Recent Development/Acquisitions
- 8.3 SATA GmbH & Co
  - 8.3.1 SATA GmbH & Co Profile
  - 8.3.2 SATA GmbH & Co Sales, Growth Rate and Global Market Share from 2015-2020
  - 8.3.3 SATA GmbH & Co Product/Solution Launches and Enhancements Analysis
  - 8.3.4 SATA GmbH & Co Business Overview/Recent Development/Acquisitions
- 8.4 3M
  - 8.4.1 3M Profile
  - 8.4.2 3M Sales, Growth Rate and Global Market Share from 2015-2020
  - 8.4.3 3M Product/Solution Launches and Enhancements Analysis

- 8.4.4 3M Business Overview/Recent Development/Acquisitions
- 8.5 Oliver Technologies
  - 8.5.1 Oliver Technologies Profile
  - 8.5.2 Oliver Technologies Sales, Growth Rate and Global Market Share from 2015-2020
  - 8.5.3 Oliver Technologies Product/Solution Launches and Enhancements Analysis
  - 8.5.4 Oliver Technologies Business Overview/Recent Development/Acquisitions
- 8.6 Fuji Industrial Spray Equipment Ltd
  - 8.6.1 Fuji Industrial Spray Equipment Ltd Profile
  - 8.6.2 Fuji Industrial Spray Equipment Ltd Sales, Growth Rate and Global Market Share from 2015-2020
  - 8.6.3 Fuji Industrial Spray Equipment Ltd Product/Solution Launches and Enhancements Analysis
  - 8.6.4 Fuji Industrial Spray Equipment Ltd Business Overview/Recent Development/Acquisitions
- 8.7 Binks
  - 8.7.1 Binks Profile
  - 8.7.2 Binks Sales, Growth Rate and Global Market Share from 2015-2020
  - 8.7.3 Binks Product/Solution Launches and Enhancements Analysis
  - 8.7.4 Binks Business Overview/Recent Development/Acquisitions
- 8.8 Hi Tec Spray
  - 8.8.1 Hi Tec Spray Profile
  - 8.8.2 Hi Tec Spray Sales, Growth Rate and Global Market Share from 2015-2020
  - 8.8.3 Hi Tec Spray Product/Solution Launches and Enhancements Analysis
  - 8.8.4 Hi Tec Spray Business Overview/Recent Development/Acquisitions

## **9 GLOBAL INDUSTRIAL SPRAYING EQUIPMENT MARKET-SEGMENTATION BY GEOGRAPHY**

### **10 NORTH AMERICA**

- 10.1 North America Industrial Spraying Equipment Production, Ex-factory Price, Revenue, Gross Margin (%) and Gross Analysis from 2015-2020
- 10.2 North America Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value and Channel Margin Analysis from 2015-2020
- 10.3 North America Industrial Spraying Equipment Production Analysis from 2015-2020
- 10.4 North America Industrial Spraying Equipment Consumption Analysis from 2015-2020
- 10.5 North America Industrial Spraying Equipment Import and Export from 2015-2020

10.6 North America Industrial Spraying Equipment Value, Production and Market Share by Type (2015-2020)

10.7 North America Industrial Spraying Equipment Consumption, Value and Market Share by Application (2015-2020)

10.8 North America Industrial Spraying Equipment by Country (United States, Canada)

10.8.1 North America Industrial Spraying Equipment Sales by Country (2015-2020)

10.8.2 North America Industrial Spraying Equipment Consumption Value by Country (2015-2020)

10.9 North America Industrial Spraying Equipment Market PEST Analysis

## **11 EUROPE**

11.1 Europe Industrial Spraying Equipment Production, Ex-factory Price, Revenue, Gross Margin (%) and Gross Analysis from 2015-2020

11.2 Europe Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value and Channel Margin Analysis from 2015-2020

11.3 Europe Industrial Spraying Equipment Production Analysis from 2015-2020

11.4 Europe Industrial Spraying Equipment Consumption Analysis from 2015-2020

11.5 Europe Industrial Spraying Equipment Import and Export from 2015-2020

11.6 Europe Industrial Spraying Equipment Value, Production and Market Share by Type (2015-2020)

11.7 Europe Industrial Spraying Equipment Consumption, Value and Market Share by Application (2015-2020)

11.8 Europe Industrial Spraying Equipment by Country (Germany, UK, France, Italy, Spain, Russia, Netherlands, Turkey, Switzerland, Sweden, Poland, Belgium)

11.8.1 Europe Industrial Spraying Equipment Sales by Country (2015-2020)

11.8.2 Europe Industrial Spraying Equipment Consumption Value by Country (2015-2020)

11.9 Europe Industrial Spraying Equipment Market PEST Analysis

## **12 ASIA-PACIFIC**

12.1 Asia-Pacific Industrial Spraying Equipment Production, Ex-factory Price, Revenue, Gross Margin (%) and Gross Analysis from 2015-2020

12.2 Asia-Pacific Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value and Channel Margin Analysis from 2015-2020

12.3 Asia-Pacific Industrial Spraying Equipment Production Analysis from 2015-2020

12.4 Asia-Pacific Industrial Spraying Equipment Consumption Analysis from 2015-2020

12.5 Asia-Pacific Industrial Spraying Equipment Import and Export from 2015-2020

12.6 Asia-Pacific Industrial Spraying Equipment Value, Production and Market Share by Type (2015-2020)

12.7 Asia-Pacific Industrial Spraying Equipment Consumption, Value and Market Share by Application (2015-2020)

12.8 Asia-Pacific Industrial Spraying Equipment by Country (China, Japan, South Korea, Australia, India, Taiwan, Indonesia, Thailand, Philippines, Malaysia)

12.8.1 Asia-Pacific Industrial Spraying Equipment Sales by Country (2015-2020)

12.8.2 Asia-Pacific Industrial Spraying Equipment Consumption Value by Country (2015-2020)

12.9 Asia-Pacific Industrial Spraying Equipment Market PEST Analysis

## **13 LATIN AMERICA**

13.1 Latin America Industrial Spraying Equipment Production, Ex-factory Price, Revenue, Gross Margin (%) and Gross Analysis from 2015-2020

13.2 Latin America Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value and Channel Margin Analysis from 2015-2020

13.3 Latin America Industrial Spraying Equipment Production Analysis from 2015-2020

13.4 Latin America Industrial Spraying Equipment Consumption Analysis from 2015-2020

13.5 Latin America Industrial Spraying Equipment Import and Export from 2015-2020

13.6 Latin America Industrial Spraying Equipment Value, Production and Market Share by Type (2015-2020)

13.7 Latin America Industrial Spraying Equipment Consumption, Value and Market Share by Application (2015-2020)

13.8 Latin America Industrial Spraying Equipment by Country (Brazil, Mexico, Argentina, Columbia, Chile)

13.8.1 Latin America Industrial Spraying Equipment Sales by Country (2015-2020)

13.8.2 Latin America Industrial Spraying Equipment Consumption Value by Country (2015-2020)

13.9 Latin America Industrial Spraying Equipment Market PEST Analysis

## **14 MIDDLE EAST & AFRICA**

14.1 Middle East & Africa Industrial Spraying Equipment Production, Ex-factory Price, Revenue, Gross Margin (%) and Gross Analysis from 2015-2020

14.2 Middle East & Africa Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value and Channel Margin Analysis from 2015-2020

14.3 Middle East & Africa Industrial Spraying Equipment Production Analysis from



2015-2020

14.4 Middle East & Africa Industrial Spraying Equipment Consumption Analysis from 2015-2020

14.5 Middle East & Africa Industrial Spraying Equipment Import and Export from 2015-2020

14.6 Middle East & Africa Industrial Spraying Equipment Value, Production and Market Share by Type (2015-2020)

14.7 Middle East & Africa Industrial Spraying Equipment Consumption, Value and Market Share by Application (2015-2020)

14.8 Middle East & Africa Industrial Spraying Equipment by Country (Saudi Arabia, UAE, Egypt, Nigeria, South Africa)

14.8.1 Middle East & Africa Industrial Spraying Equipment Sales by Country (2015-2020)

14.8.2 Middle East & Africa Industrial Spraying Equipment Consumption Value by Country (2015-2020)

14.9 Middle East & Africa Industrial Spraying Equipment Market PEST Analysis

## **15 FUTURE FORECAST OF THE GLOBAL INDUSTRIAL SPRAYING EQUIPMENT MARKET FROM 2020-2027**

15.1 Future Forecast of the Global Industrial Spraying Equipment Market from 2020-2027 Segment by Region

15.2 Global Industrial Spraying Equipment Production and Growth Rate Forecast by Type (2020-2027)

15.3 Global Industrial Spraying Equipment Consumption and Growth Rate Forecast by Application (2020-2027)

## **16 APPENDIX**

16.1 Methodology

16.2 Research Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Global Industrial Spraying Equipment Market Value (\$) and Growth Rate of Industrial Spraying Equipment from 2015-2027

Global Industrial Spraying Equipment Production and Growth Rate Segment by Product Type from 2015-2027

Global Industrial Spraying Equipment Consumption and Growth Rate Segment by Application from 2015-2027

Figure Industrial Spraying Equipment Picture

Table Product Specifications of Industrial Spraying Equipment

Table Driving Factors for this Market

Table Industry News of Industrial Spraying Equipment Market

Figure Value Chain Status of Industrial Spraying Equipment

Table Midstream Major Company Analysis (by Manufacturing Base, by Product Type)

Table Distributors/Traders

Table Downstream Major Customer Analysis (by Region, by Preference)

Table Global Industrial Spraying Equipment Production and Growth Rate Segment by Product Type from 2015-2020

Table Global Industrial Spraying Equipment Value (\$) and Growth Rate Segment by Product Type from 2015-2020

Figure Conventional Sprayers of Industrial Spraying Equipment

Figure High Volume Low Pressure Sprayers of Industrial Spraying Equipment

Figure Airless Sprayers of Industrial Spraying Equipment

Figure Others of Industrial Spraying Equipment

Table Global Industrial Spraying Equipment Consumption and Growth Rate Segment by Application from 2015-2020

Table Global Industrial Spraying Equipment Value (\$) and Growth Rate Segment by Application from 2015-2020

Figure Industrial Machinery of Industrial Spraying Equipment

Figure Gas & Chemicals of Industrial Spraying Equipment

Figure Others of Industrial Spraying Equipment

Table Global Industrial Spraying Equipment Consumption and Growth Rate Segment by Marketing Channel from 2015-2020

Table Global Industrial Spraying Equipment Value (\$) and Growth Rate Segment by Marketing Channel from 2015-2020

Figure Traditional Marketing Channel (Offline) of Industrial Spraying Equipment

Figure Online Channel of Industrial Spraying Equipment

Table Exel Industries Profile (Company Name, Plants Distribution, Sales Region)

Figure Exel Industries Sales and Growth Rate from 2015-2020

Figure Exel Industries Revenue (\$) and Global Market Share from 2015-2020

Table Exel Industries Industrial Spraying Equipment Sales, Price, Revenue, Gross Margin (2015-2020)

Table Graco Inc Profile (Company Name, Plants Distribution, Sales Region)

Figure Graco Inc Sales and Growth Rate from 2015-2020

Figure Graco Inc Revenue (\$) and Global Market Share from 2015-2020

Table Graco Inc Industrial Spraying Equipment Sales, Price, Revenue, Gross Margin (2015-2020)

Table SATA GmbH & Co Profile (Company Name, Plants Distribution, Sales Region)

Figure SATA GmbH & Co Sales and Growth Rate from 2015-2020

Figure SATA GmbH & Co Revenue (\$) and Global Market Share from 2015-2020

Table SATA GmbH & Co Industrial Spraying Equipment Sales, Price, Revenue, Gross Margin (2015-2020)

Table 3M Profile (Company Name, Plants Distribution, Sales Region)

Figure 3M Sales and Growth Rate from 2015-2020

Figure 3M Revenue (\$) and Global Market Share from 2015-2020

Table 3M Industrial Spraying Equipment Sales, Price, Revenue, Gross Margin (2015-2020)

Table Oliver Technologies Profile (Company Name, Plants Distribution, Sales Region)

Figure Oliver Technologies Sales and Growth Rate from 2015-2020

Figure Oliver Technologies Revenue (\$) and Global Market Share from 2015-2020

Table Oliver Technologies Industrial Spraying Equipment Sales, Price, Revenue, Gross Margin (2015-2020)

Table Fuji Industrial Spray Equipment Ltd Profile (Company Name, Plants Distribution, Sales Region)

Figure Fuji Industrial Spray Equipment Ltd Sales and Growth Rate from 2015-2020

Figure Fuji Industrial Spray Equipment Ltd Revenue (\$) and Global Market Share from 2015-2020

Table Fuji Industrial Spray Equipment Ltd Industrial Spraying Equipment Sales, Price, Revenue, Gross Margin (2015-2020)

Table Binks Profile (Company Name, Plants Distribution, Sales Region)

Figure Binks Sales and Growth Rate from 2015-2020

Figure Binks Revenue (\$) and Global Market Share from 2015-2020

Table Binks Industrial Spraying Equipment Sales, Price, Revenue, Gross Margin (2015-2020)

Table Hi Tec Spray Profile (Company Name, Plants Distribution, Sales Region)

Figure Hi Tec Spray Sales and Growth Rate from 2015-2020

Figure Hi Tec Spray Revenue (\$) and Global Market Share from 2015-2020

Table Hi Tec Spray Industrial Spraying Equipment Sales, Price, Revenue, Gross Margin (2015-2020)

Table Global Industrial Spraying Equipment Production Value (\$) by Region from 2015-2020

Table Global Industrial Spraying Equipment Production Value Share by Region from 2015-2020

Table Global Industrial Spraying Equipment Production by Region from 2015-2020

Table Global Industrial Spraying Equipment Consumption Value (\$) by Region from 2015-2020

Table Global Industrial Spraying Equipment Consumption by Region from 2015-2020

Table North America Industrial Spraying Equipment Production, Ex-factory Price Revenue (\$), Gross Margin (%) and Gross (\$) Analysis from 2015-2020

Table North America Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value (\$) and Channel Margin Analysis from 2015-2020

Table North America Industrial Spraying Equipment Import and Export from 2015-2020

Table North America Industrial Spraying Equipment Value (\$) by Type (2015-2020)

Table North America Industrial Spraying Equipment Production by Type (2015-2020)

Table North America Industrial Spraying Equipment Consumption by Application (2015-2020)

Table North America Industrial Spraying Equipment Consumption by Country (2015-2020)

Table North America Industrial Spraying Equipment Consumption Value (\$) by Country (2015-2020)

Figure North America Industrial Spraying Equipment Market PEST Analysis

Table Europe Industrial Spraying Equipment Production, Ex-factory Price Revenue (\$), Gross Margin (%) and Gross (\$) Analysis from 2015-2020

Table Europe Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value (\$) and Channel Margin Analysis from 2015-2020

Table Europe Industrial Spraying Equipment Import and Export from 2015-2020

Table Europe Industrial Spraying Equipment Value (\$) by Type (2015-2020)

Table Europe Industrial Spraying Equipment Production by Type (2015-2020)

Table Europe Industrial Spraying Equipment Consumption by Application (2015-2020)

Table Europe Industrial Spraying Equipment Consumption by Country (2015-2020)

Table Europe Industrial Spraying Equipment Consumption Value (\$) by Country (2015-2020)

Figure Europe Industrial Spraying Equipment Market PEST Analysis

Table Asia-Pacific Industrial Spraying Equipment Production, Ex-factory Price Revenue (\$), Gross Margin (%) and Gross (\$) Analysis from 2015-2020

Table Asia-Pacific Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value (\$) and Channel Margin Analysis from 2015-2020

Table Asia-Pacific Industrial Spraying Equipment Import and Export from 2015-2020

Table Asia-Pacific Industrial Spraying Equipment Value (\$) by Type (2015-2020)

Table Asia-Pacific Industrial Spraying Equipment Production by Type (2015-2020)

Table Asia-Pacific Industrial Spraying Equipment Consumption by Application (2015-2020)

Table Asia-Pacific Industrial Spraying Equipment Consumption by Country (2015-2020)

Table Asia-Pacific Industrial Spraying Equipment Consumption Value (\$) by Country (2015-2020)

Figure Asia-Pacific Industrial Spraying Equipment Market PEST Analysis

Table Latin America Industrial Spraying Equipment Production, Ex-factory Price Revenue (\$), Gross Margin (%) and Gross (\$) Analysis from 2015-2020

Table Latin America Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value (\$) and Channel Margin Analysis from 2015-2020

Table Latin America Industrial Spraying Equipment Import and Export from 2015-2020

Table Latin America Industrial Spraying Equipment Value (\$) by Type (2015-2020)

Table Latin America Industrial Spraying Equipment Production by Type (2015-2020)

Table Latin America Industrial Spraying Equipment Consumption by Application (2015-2020)

Table Latin America Industrial Spraying Equipment Consumption by Country (2015-2020)

Table Latin America Industrial Spraying Equipment Consumption Value (\$) by Country (2015-2020)

Figure Latin America Industrial Spraying Equipment Market PEST Analysis

Table Middle East & Africa Industrial Spraying Equipment Production, Ex-factory Price Revenue (\$), Gross Margin (%) and Gross (\$) Analysis from 2015-2020

Table Middle East & Africa Industrial Spraying Equipment Consumption, Terminal Price, Consumption Value (\$) and Channel Margin Analysis from 2015-2020

Table Middle East & Africa Industrial Spraying Equipment Import and Export from 2015-2020

Table Middle East & Africa Industrial Spraying Equipment Value (\$) by Type (2015-2020)

Table Middle East & Africa Industrial Spraying Equipment Production by Type (2015-2020)

Table Middle East & Africa Industrial Spraying Equipment Consumption by Application (2015-2020)

Table Middle East & Africa Industrial Spraying Equipment Consumption by Country (2015-2020)

Table Middle East & Africa Industrial Spraying Equipment Consumption Value (\$) by Country (2015-2020)

Figure Middle East & Africa Industrial Spraying Equipment Market PEST Analysis

Table Global Industrial Spraying Equipment Value (\$) and Growth Rate Forecast by Region (2020-2027)

Table Global Industrial Spraying Equipment Production and Growth Rate Forecast by Region (2020-2027)

Table Global Industrial Spraying Equipment Consumption and Growth Rate Forecast by Region (2020-2027)

Table Global Industrial Spraying Equipment Production and Growth Rate Forecast by Type (2020-2027)

Table Global Industrial Spraying Equipment Consumption and Growth Rate Forecast by Application (2020-2027)

## I would like to order

Product name: 2015-2027 Global Industrial Spraying Equipment Industry Market Research Report, Segment by Player, Type, Application, Marketing Channel, and Region

Product link: <https://marketpublishers.com/r/27E0B3B89806EN.html>

Price: US\$ 3,460.00 (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/27E0B3B89806EN.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

