

# Global Stainless Steel Gas Tubes and Fittings Market Status, Trends and COVID-19 Impact Report 2022

https://marketpublishers.com/r/G9EE2C1E1C07EN.html

Date: October 2022 Pages: 115 Price: US\$ 2,350.00 (Single User License) ID: G9EE2C1E1C07EN

### **Abstracts**

In the past few years, the Stainless Steel Gas Tubes and Fittings market experienced a huge change under the influence of COVID-19 and Russia-Ukraine War, the global market size of Stainless Steel Gas Tubes and Fittings reached (2022 Market size XXXX) million \$ in 2022 from (2017 Market size XXXX) in 2017 with a CAGR of xxx from 2017-2022. Facing the complicated international situation, the future of the Stainless Steel Gas Tubes and Fittings market is full of uncertain. BisReport predicts that the global Stainless Steel Gas Tubes and Fittings market size will reach (2028 Market size XXXX) 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 Stainless Steel Gas Tubes and Fittings Market Status, Trends and COVID-19 Impact Report 2022, which provides a comprehensive analysis of the global Stainless Steel Gas Tubes and Fittings 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 Swagelok Fujikin HY-LOK Ham-Let Parker **SCiMax Axenics** FITOK Pisco MAKO Superlok Valex Dockweiler AG Brennan Eaton HOKE

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 Tubes Fittings

Application Segment Semiconductor Commercial Chemical

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 STAINLESS STEEL GAS TUBES AND FITTINGS MARKET OVERVIEW

1.1 Stainless Steel Gas Tubes and Fittings Market Scope

1.2 COVID-19 Impact on Stainless Steel Gas Tubes and Fittings Market

1.3 Global Stainless Steel Gas Tubes and Fittings Market Status and Forecast Overview

1.3.1 Global Stainless Steel Gas Tubes and Fittings Market Status 2017-2022

- 1.3.2 Global Stainless Steel Gas Tubes and Fittings Market Forecast 2023-2028
- 1.4 Global Stainless Steel Gas Tubes and Fittings Market Overview by Region
- 1.5 Global Stainless Steel Gas Tubes and Fittings Market Overview by Type

1.6 Global Stainless Steel Gas Tubes and Fittings Market Overview by Application

# SECTION 2 GLOBAL STAINLESS STEEL GAS TUBES AND FITTINGS MARKET MANUFACTURER SHARE

2.1 Global Manufacturer Stainless Steel Gas Tubes and Fittings Sales Volume

2.2 Global Manufacturer Stainless Steel Gas Tubes and Fittings Business Revenue 2.3 Global Manufacturer Stainless Steel Gas Tubes and Fittings Price

# SECTION 3 MANUFACTURER STAINLESS STEEL GAS TUBES AND FITTINGS BUSINESS INTRODUCTION

3.1 Swagelok Stainless Steel Gas Tubes and Fittings Business Introduction

3.1.1 Swagelok Stainless Steel Gas Tubes and Fittings Sales Volume, Price, Revenue and Gross margin 2017-2022

3.1.2 Swagelok Stainless Steel Gas Tubes and Fittings Business Distribution by Region

3.1.3 Swagelok Interview Record

3.1.4 Swagelok Stainless Steel Gas Tubes and Fittings Business Profile

3.1.5 Swagelok Stainless Steel Gas Tubes and Fittings Product Specification

3.2 Fujikin Stainless Steel Gas Tubes and Fittings Business Introduction

3.2.1 Fujikin Stainless Steel Gas Tubes and Fittings Sales Volume, Price, Revenue and Gross margin 2017-2022

3.2.2 Fujikin Stainless Steel Gas Tubes and Fittings Business Distribution by Region

3.2.3 Interview Record

3.2.4 Fujikin Stainless Steel Gas Tubes and Fittings Business Overview

3.2.5 Fujikin Stainless Steel Gas Tubes and Fittings Product Specification



3.3 Manufacturer three Stainless Steel Gas Tubes and Fittings Business Introduction

3.3.1 Manufacturer three Stainless Steel Gas Tubes and Fittings Sales Volume, Price, Revenue and Gross margin 2017-2022

3.3.2 Manufacturer three Stainless Steel Gas Tubes and Fittings Business Distribution by Region

3.3.3 Interview Record

3.3.4 Manufacturer three Stainless Steel Gas Tubes and Fittings Business Overview

3.3.5 Manufacturer three Stainless Steel Gas Tubes and Fittings Product Specification

3.4 Manufacturer four Stainless Steel Gas Tubes and Fittings Business Introduction

3.4.1 Manufacturer four Stainless Steel Gas Tubes and Fittings Sales Volume, Price, Revenue and Gross margin 2017-2022

3.4.2 Manufacturer four Stainless Steel Gas Tubes and Fittings Business Distribution by Region

3.4.3 Interview Record

3.4.4 Manufacturer four Stainless Steel Gas Tubes and Fittings Business Overview

3.4.5 Manufacturer four Stainless Steel Gas Tubes and Fittings Product Specification3.5

3.6

#### SECTION 4 GLOBAL STAINLESS STEEL GAS TUBES AND FITTINGS MARKET SEGMENT (BY REGION)

4.1 North America Country

4.1.1 United States Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.1.2 Canada Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.1.3 Mexico Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.2 South America Country

4.2.1 Brazil Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.2.2 Argentina Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.3 Asia Pacific

4.3.1 China Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.3.2 Japan Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022



4.3.3 India Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.3.4 Korea Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.3.5 Southeast Asia Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.4 Europe Country

4.4.1 Germany Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.4.2 UK Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.4.3 France Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.4.4 Spain Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.4.5 Russia Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.4.6 Italy Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.5 Middle East and Africa

4.5.1 Middle East Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.5.2 South Africa Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.5.3 Egypt Stainless Steel Gas Tubes and Fittings Market Size and Price Analysis 2017-2022

4.6 Global Stainless Steel Gas Tubes and Fittings Market Segment (By Region) Analysis 2017-2022

4.7 Global Stainless Steel Gas Tubes and Fittings Market Segment (By Country) Analysis 2017-2022

4.8 Global Stainless Steel Gas Tubes and Fittings Market Segment (By Region) Analysis

#### SECTION 5 GLOBAL STAINLESS STEEL GAS TUBES AND FITTINGS MARKET SEGMENT (BY PRODUCT TYPE)

5.1 Product Introduction by Type

- 5.1.1 Tubes Product Introduction
- 5.1.2 Fittings Product Introduction

Global Stainless Steel Gas Tubes and Fittings Market Status, Trends and COVID-19 Impact Report 2022



5.2 Global Stainless Steel Gas Tubes and Fittings Sales Volume (by Type) 2017-2022

5.3 Global Stainless Steel Gas Tubes and Fittings Market Size (by Type) 2017-2022

5.4 Different Stainless Steel Gas Tubes and Fittings Product Type Price 2017-2022

5.5 Global Stainless Steel Gas Tubes and Fittings Market Segment (By Type) Analysis

#### SECTION 6 GLOBAL STAINLESS STEEL GAS TUBES AND FITTINGS MARKET SEGMENT (BY APPLICATION)

6.1 Global Stainless Steel Gas Tubes and Fittings Sales Volume (by Application) 2017-2022

6.2 Global Stainless Steel Gas Tubes and Fittings Market Size (by Application) 2017-2022

6.3 Stainless Steel Gas Tubes and Fittings Price in Different Application Field 2017-2022

6.4 Global Stainless Steel Gas Tubes and Fittings Market Segment (By Application) Analysis

#### SECTION 7 GLOBAL STAINLESS STEEL GAS TUBES AND FITTINGS MARKET SEGMENT (BY CHANNEL)

7.1 Global Stainless Steel Gas Tubes and Fittings Market Segment (By Channel) Sales Volume and Share 2017-2022

7.2 Global Stainless Steel Gas Tubes and Fittings Market Segment (By Channel) Analysis

#### SECTION 8 GLOBAL STAINLESS STEEL GAS TUBES AND FITTINGS MARKET FORECAST 2023-2028

8.1 Stainless Steel Gas Tubes and Fittings Segment Market Forecast 2023-2028 (By Region)

8.2 Stainless Steel Gas Tubes and Fittings Segment Market Forecast 2023-2028 (By Type)

8.3 Stainless Steel Gas Tubes and Fittings Segment Market Forecast 2023-2028 (By Application)

8.4 Stainless Steel Gas Tubes and Fittings Segment Market Forecast 2023-2028 (By Channel)

8.5 Global Stainless Steel Gas Tubes and Fittings Price (USD/Unit) Forecast

#### SECTION 9 STAINLESS STEEL GAS TUBES AND FITTINGS APPLICATION AND



#### **CUSTOMER ANALYSIS**

- 9.1 Semiconductor Customers
- 9.2 Commercial Customers
- 9.3 Chemical Customers

## SECTION 10 STAINLESS STEEL GAS TUBES AND FITTINGS MANUFACTURING COST OF ANALYSIS

10.1 Raw Material Cost Analysis10.2 Labor Cost Analysis10.3 Cost Overview

#### **SECTION 11 CONCLUSION**

#### **12 RESEARCH METHOD AND DATA SOURCE**



### **Chart And Figure**

#### CHART AND FIGURE

Figure Stainless Steel Gas Tubes and Fittings Product Picture Chart Global Stainless Steel Gas Tubes and Fittings Market Size (with or without the impact of COVID-19) Chart Global Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Growth Rate 2017-2022 Chart Global Stainless Steel Gas Tubes and Fittings Market Size (Million \$) and Growth Rate 2017-2022 Chart Global Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Growth Rate 2023-2028 Chart Global Stainless Steel Gas Tubes and Fittings Market Size (Million \$) and Growth Rate 2023-2028 Table Global Stainless Steel Gas Tubes and Fittings Market Overview by Region Table Global Stainless Steel Gas Tubes and Fittings Market Overview by Type Table Global Stainless Steel Gas Tubes and Fittings Market Overview by Application Chart 2017-2022 Global Manufacturer Stainless Steel Gas Tubes and Fittings Sales Volume (Units) Chart 2017-2022 Global Manufacturer Stainless Steel Gas Tubes and Fittings Sales Volume Share Chart 2017-2022 Global Manufacturer Stainless Steel Gas Tubes and Fittings Business Revenue (Million USD) Chart 2017-2022 Global Manufacturer Stainless Steel Gas Tubes and Fittings Business **Revenue Share** Chart 2017-2022 Global Manufacturer Stainless Steel Gas Tubes and Fittings Business Price (USD/Unit) Chart Swagelok Stainless Steel Gas Tubes and Fittings Sales Volume, Price, Revenue and Gross margin 2017-2022 Chart Swagelok Stainless Steel Gas Tubes and Fittings Business Distribution Chart Swagelok Interview Record (Partly) Chart Swagelok Stainless Steel Gas Tubes and Fittings Business Profile Table Swagelok Stainless Steel Gas Tubes and Fittings Product Specification Chart United States Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022 Chart United States Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Canada Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market



Size (Million \$) 2017-2022

Chart Canada Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022

Chart Mexico Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Mexico Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Brazil Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Brazil Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Argentina Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Argentina Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022

Chart China Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart China Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Japan Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Japan Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart India Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart India Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Korea Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Korea Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Southeast Asia Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Southeast Asia Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022

Chart Germany Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Germany Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022

Chart UK Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart UK Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart France Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart France Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022



Chart Spain Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Spain Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Russia Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Russia Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Italy Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Italy Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Middle East Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Middle East Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022

Chart South Africa Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart South Africa Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022

Chart Egypt Stainless Steel Gas Tubes and Fittings Sales Volume (Units) and Market Size (Million \$) 2017-2022

Chart Egypt Stainless Steel Gas Tubes and Fittings Sales Price (USD/Unit) 2017-2022 Chart Global Stainless Steel Gas Tubes and Fittings Market Segment Sales Volume (Units) by Region 2017-2022

Chart Global Stainless Steel Gas Tubes and Fittings Market Segment Sales Volume (Units) Share by Region 2017-2022

Chart Global Stainless Steel Gas Tubes and Fittings Market Segment Market size (Million \$) by Region 2017-2022

Chart Global Stainless Steel Gas Tubes and Fittings Market Segment Market size (Million \$) Share by Region 2017-2022

Chart Global Stainless Steel Gas Tubes and Fittings Market Segment Sales Volume (Units) by Country 2017-2022

Chart Global Stainless Steel Gas Tubes and Fittings Market Segment Sales Volume (Units) Share by Country 2017-2022

Chart Global Stainless Steel Gas Tubes and Fittings Market Segment Market size (Million \$) by Country 2017-2022

Chart Global Stainless Steel Gas Tubes and Fittings Market Segment Market size (Million \$) Share by Country 2017-2022

Chart Tubes Product Figure

Chart Tubes Product Description

Chart Fittings Product Figure

Global Stainless Steel Gas Tubes and Fittings Market Status, Trends and COVID-19 Impact Report 2022



**Chart Fittings Product Description** Chart Stainless Steel Gas Tubes and Fittings Sales Volume by Type (Units) 2017-2022 Chart Stainless Steel Gas Tubes and Fittings Sales Volume (Units) Share by Type Chart Stainless Steel Gas Tubes and Fittings Market Size by Type (Million \$) 2017-2022 Chart Stainless Steel Gas Tubes and Fittings Market Size (Million \$) Share by Type Chart Different Stainless Steel Gas Tubes and Fittings Product Type Price (USD/Unit) 2017-2022 Chart Stainless Steel Gas Tubes and Fittings Sales Volume by Application (Units) 2017-2022 Chart Stainless Steel Gas Tubes and Fittings Sales Volume (Units) Share by Application Chart Stainless Steel Gas Tubes and Fittings Market Size by Application (Million \$) 2017-2022 Chart Stainless Steel Gas Tubes and Fittings Market Size (Million \$) Share by Application Chart Stainless Steel Gas Tubes and Fittings Price in Different Application Field 2017-2022 Chart Global Stainless Steel Gas Tubes and Fittings Market Segment (By Channel) Sales Volume (Units) 2017-2022 Chart Global Stainless Steel Gas Tubes and Fittings Market Segment (By Channel) Share 2017-2022

Chart Stainless Steel Gas Tubes and Fittings Segment Market Sales Volume (Units) Forecast (by Region) 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Segment Market Sales Volume Forecast (By Region) Share 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Segment Market Size (Million USD) Forecast (By Region) 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Segment Market Size Forecast (By Region) Share 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Market Segment (By Type) Volume (Units) 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Market Segment (By Type) Volume (Units) Share 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Market Segment (By Type) Market Size (Million \$) 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Market Segment (By Type) Market Size (Million \$) 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Market Segment (By Application) Market



Size (Volume) 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Market Segment (By Application) Market Size (Volume) Share 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Market Segment (By Application) Market Size (Value) 2023-2028

Chart Stainless Steel Gas Tubes and Fittings Market Segment (By Application) Market Size (Value) Share 2023-2028

Chart Global Stainless Steel Gas Tubes and Fittings Market Segment (By Channel) Sales Volume (Units) 2023-2028

Chart Global Stainless Steel Gas Tubes and Fittings Market Segment (By Channel) Share 2023-2028

Chart Global Stainless Steel Gas Tubes and Fittings Price Forecast 2023-2028

Chart Semiconductor Customers

Chart Commercial Customers

**Chart Chemical Customers** 



#### I would like to order

Product name: Global Stainless Steel Gas Tubes and Fittings Market Status, Trends and COVID-19 Impact Report 2022

Product link: https://marketpublishers.com/r/G9EE2C1E1C07EN.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 <u>https://marketpublishers.com/r/G9EE2C1E1C07EN.html</u>

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 <u>https://marketpublishers.com/docs/terms.html</u>

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



Global Stainless Steel Gas Tubes and Fittings Market Status, Trends and COVID-19 Impact Report 2022