

# Carbon Fibre Composite Materials Market Status and Trend Analysis 2017-2026 (COVID-19 Version)

https://marketpublishers.com/r/C8BD96DAAAF6EN.html

Date: December 2020 Pages: 96 Price: US\$ 3,000.00 (Single User License) ID: C8BD96DAAAF6EN

# Abstracts

#### SUMMARY

Further key aspects of the report indicate that: Chapter 1: Research Scope: Product Definition, Type, End-Use & Methodology Chapter 2: Global Industry Summary Chapter 3: Market Dynamics Chapter 4: Global Market Segmentation by region, type and End-Use Chapter 5: North America Market Segmentation by region, type and End-Use Chapter 6: Europe Market Segmentation by region, type and End-Use Chapter 7: Asia-Pacific Market Segmentation by region, type and End-Use Chapter 8: South America Market Segmentation by region, type and End-Use Chapter 9: Middle East and Africa Market Segmentation by region, type and End-Use Chapter 10: Market Competition by Companies Chapter 11: Market forecast and environment forecast. Chapter 12: Industry Summary.

The global Carbon Fibre Composite Materials market has the potential to grow with xx million USD with growing CAGR in the forecast period from 2021f to 2026f. Factors driving the market for @@@@@@ are the significant development of demand and improvement of COVID-19 and geo-economics.

Based on the type of product, the global Carbon Fibre Composite Materials market segmented into

Thermoplastic Carbon Fibre Composite Materials



#### Thermosetting Carbon Fibre Composite Materials

Based on the end-use, the global Carbon Fibre Composite Materials market classified into

Automobile Aircraft Sports Aerospace and Military Ship

Construction

Others

Based on geography, the global Carbon Fibre Composite Materials market segmented into

North America [U.S., Canada, Mexico]

Europe [Germany, UK, France, Italy, Rest of Europe]

Asia-Pacific [China, India, Japan, South Korea, Southeast Asia, Australia, Rest of Asia Pacific]

South America [Brazil, Argentina, Rest of Latin America]

Middle East & Africa [GCC, North Africa, South Africa, Rest of Middle East and Africa]

And the major players included in the report are



SGL Group

Toray Group

Barnet

Hexcel

Toho Tenax

Nippon Graphite Fiber Corporation

Mitsubishi Rayon



# Contents

## 1 RESEARCH SCOPE

- 1.1 Research Product Definition
- 1.2 Research Segmentation
- 1.2.1 Product Type
- 1.2.2 Main product Type of Major Players
- 1.3 Demand Overview
- 1.4 Research Methodology

## 2 GLOBAL CARBON FIBRE COMPOSITE MATERIALS INDUSTRY

- 2.1 Summary about Carbon Fibre Composite Materials Industry
- 2.2 Carbon Fibre Composite Materials Market Trends
- 2.2.1 Carbon Fibre Composite Materials Production & Consumption Trends
- 2.2.2 Carbon Fibre Composite Materials Demand Structure Trends
- 2.3 Carbon Fibre Composite Materials Cost & Price

#### **3 MARKET DYNAMICS**

- 3.1 Manufacturing & Purchasing Behavior in 2020
- 3.2 Market Development under the Impact of COVID-19
  - 3.2.1 Drivers
  - 3.2.2 Restraints
  - 3.2.3 Opportunity
  - 3.2.4 Risk

## 4 GLOBAL MARKET SEGMENTATION

- 4.1 Region Segmentation (2017 to 2021f)
  - 4.1.1 North America (U.S., Canada and Mexico)
  - 4.1.2 Europe (Germany, UK, France, Italy, Rest of Europe)
- 4.1.3 Asia-Pacific (China, India, Japan, South Korea, Southeast Asia, Australia, Rest of Asia Pacific)
  - 4.1.4 South America (Brazil,, Argentina, Rest of Latin America)
- 4.1.5 Middle East and Africa (GCC, North Africa, South Africa, Rest of Middle East and Africa)
- 4.2 Product Type Segmentation (2017 to 2021f)



- 4.2.1 Thermoplastic Carbon Fibre Composite Materials
- 4.2.2 Thermosetting Carbon Fibre Composite Materials
- 4.3 Consumption Segmentation (2017 to 2021f)
  - 4.3.1 Automobile
  - 4.3.2 Aircraft
  - 4.3.3 Sports
  - 4.3.4 Aerospace and Military
  - 4.3.5 Ship
  - 4.3.6 Construction
  - 4.3.7 Others

#### **5 NORTH AMERICA MARKET SEGMENT**

- 5.1 Region Segmentation (2017 to 2021f)
  - 5.1.1 U.S.
  - 5.1.2 Canada
  - 5.1.3 Mexico
- 5.2 Product Type Segmentation (2017 to 2021f)
  - 5.2.1 Thermoplastic Carbon Fibre Composite Materials
  - 5.2.2 Thermosetting Carbon Fibre Composite Materials
- 5.3 Consumption Segmentation (2017 to 2021f)
  - 5.3.1 Automobile
  - 5.3.2 Aircraft
  - 5.3.3 Sports
  - 5.3.4 Aerospace and Military
  - 5.3.5 Ship
  - 5.3.6 Construction
  - 5.3.7 Others
- 5.4 Impact of COVID-19 in North America

## 6 EUROPE MARKET SEGMENTATION

- 6.1 Region Segmentation (2017 to 2021f)
  - 6.1.1 Germany
  - 6.1.2 UK
  - 6.1.3 France
  - 6.1.4 Italy
  - 6.1.5 Rest of Europe
- 6.2 Product Type Segmentation (2017 to 2021f)



- 6.2.1 Thermoplastic Carbon Fibre Composite Materials
- 6.2.2 Thermosetting Carbon Fibre Composite Materials
- 6.3 Consumption Segmentation (2017 to 2021f)
  - 6.3.1 Automobile
  - 6.3.2 Aircraft
  - 6.3.3 Sports
  - 6.3.4 Aerospace and Military
  - 6.3.5 Ship
  - 6.3.6 Construction
  - 6.3.7 Others
- 6.4 Impact of COVID-19 in Europe

## 7 ASIA-PACIFIC MARKET SEGMENTATION

- 7.1 Region Segmentation (2017 to 2021f)
  - 7.1.1 China
  - 7.1.2 India
  - 7.1.3 Japan
  - 7.1.4 South Korea
  - 7.1.5 Southeast Asia
  - 7.1.6 Australia
  - 7.1.7 Rest of Asia Pacific
- 7.2 Product Type Segmentation (2017 to 2021f)
  - 7.2.1 Thermoplastic Carbon Fibre Composite Materials
  - 7.2.2 Thermosetting Carbon Fibre Composite Materials
- 7.3 Consumption Segmentation (2017 to 2021f)
  - 7.3.1 Automobile
  - 7.3.2 Aircraft
  - 7.3.3 Sports
  - 7.3.4 Aerospace and Military
  - 7.3.5 Ship
  - 7.3.6 Construction
  - 7.3.7 Others
- 7.4 Impact of COVID-19 in Europe

## **8 SOUTH AMERICA MARKET SEGMENTATION**

- 8.1 Region Segmentation (2017 to 2021f)
  - 8.1.1 Brazil



- 8.1.2 Argentina
- 8.1.3 Rest of Latin America
- 8.2 Product Type Segmentation (2017 to 2021f)
  - 8.2.1 Thermoplastic Carbon Fibre Composite Materials
- 8.2.2 Thermosetting Carbon Fibre Composite Materials
- 8.3 Consumption Segmentation (2017 to 2021f)
  - 8.3.1 Automobile
  - 8.3.2 Aircraft
  - 8.3.3 Sports
  - 8.3.4 Aerospace and Military
  - 8.3.5 Ship
  - 8.3.6 Construction
  - 8.3.7 Others
- 8.4 Impact of COVID-19 in Europe

## 9 MIDDLE EAST AND AFRICA MARKET SEGMENTATION

- 9.1 Region Segmentation (2017 to 2021f)
- 9.1.1 GCC
- 9.1.2 North Africa
- 9.1.3 South Africa
- 9.1.4 Rest of Middle East and Africa
- 9.2 Product Type Segmentation (2017 to 2021f)
  - 9.2.1 Thermoplastic Carbon Fibre Composite Materials
  - 9.2.2 Thermosetting Carbon Fibre Composite Materials
- 9.3 Consumption Segmentation (2017 to 2021f)
  - 9.3.1 Automobile
  - 9.3.2 Aircraft
  - 9.3.3 Sports
  - 9.3.4 Aerospace and Military
  - 9.3.5 Ship
  - 9.3.6 Construction
  - 9.3.7 Others
- 9.4 Impact of COVID-19 in Europe

## **10 COMPETITION OF MAJOR PLAYERS**

- 10.1 Brief Introduction of Major Players
  - 10.1.1 SGL Group



- 10.1.2 Toray Group
- 10.1.3 Barnet
- 10.1.4 Hexcel
- 10.1.5 Toho Tenax
- 10.1.6 Nippon Graphite Fiber Corporation
- 10.1.7 Mitsubishi Rayon
- 10.2 Carbon Fibre Composite Materials Sales Date of Major Players (2017-2020e)
  - 10.2.1 SGL Group
  - 10.2.2 Toray Group
- 10.2.3 Barnet
- 10.2.4 Hexcel
- 10.2.5 Toho Tenax
- 10.2.6 Nippon Graphite Fiber Corporation
- 10.2.7 Mitsubishi Rayon
- 10.3 Market Distribution of Major Players
- 10.4 Global Competition Segmentation

#### **11 MARKET FORECAST**

- 11.1 Forecast by Region
- 11.2 Forecast by Demand
- 11.3 Environment Forecast
- 11.3.1 Impact of COVID-19
- 11.3.2 Geopolitics Overview
- 11.3.3 Economic Overview of Major Countries

## **12 REPORT SUMMARY STATEMENT**



# **List Of Tables**

#### LIST OF TABLES

Table Carbon Fibre Composite Materials Product Type Overview Table Carbon Fibre Composite Materials Product Type Market Share List Table Carbon Fibre Composite Materials Product Type of Major Players Table Brief Introduction of SGL Group Table Brief Introduction of Toray Group Table Brief Introduction of Barnet Table Brief Introduction of Hexcel Table Brief Introduction of Toho Tenax Table Brief Introduction of Nippon Graphite Fiber Corporation Table Brief Introduction of Mitsubishi Rayon Table Products & Services of SGL Group Table Products & Services of Toray Group Table Products & Services of Barnet Table Products & Services of Hexcel Table Products & Services of Toho Tenax Table Products & Services of Nippon Graphite Fiber Corporation Table Products & Services of Mitsubishi Rayon Table Market Distribution of Major Players Table Global Major Players Sales Revenue (Million USD) 2017-2020e Table Global Major Players Sales Revenue (Million USD) Share 2017-2020e Table Global Carbon Fibre Composite Materials Market Forecast (Million USD) by Region 2021f-2026f Table Global Carbon Fibre Composite Materials Market Forecast (Million USD) Share by Region 2021f-2026f Table Global Carbon Fibre Composite Materials Market Forecast (Million USD) by Demand 2021f-2026f Table Global Carbon Fibre Composite Materials Market Forecast (Million USD) Share by Demand 2021f-2026f





# **List Of Figures**

#### LIST OF FIGURES

Figure Global Carbon Fibre Composite Materials Market Size under the Impact of COVID-19, 2017-2021f (USD Million)

Figure Global Carbon Fibre Composite Materials Market by Region under the Impact of COVID-19, 2017-2021f (USD Million)

Figure Global Carbon Fibre Composite Materials Market by Product Type under the Impact of COVID-19, 2017-2021f (USD Million)

Figure Global Carbon Fibre Composite Materials Market by Demand under the Impact of COVID-19, 2017-2021f (USD Million)

Figure Global Carbon Fibre Composite Materials Production by Region under the Impact of COVID-19, 2021-2026 (USD Million)

Figure Global Carbon Fibre Composite Materials Consumption by Region under the Impact of COVID-19, 2021-2026 (USD Million)

Figure Global Carbon Fibre Composite Materials Consumption by Type under the Impact of COVID-19, 2021-2026 (USD Million)

Figure North America Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Europe Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Asia-Pacific Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure South America Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Middle East and Africa Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Thermoplastic Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Thermosetting Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Automobile Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Aircraft Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Sports Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Aerospace and Military Segmentation Market Size (USD Million) 2017-2021f and



Year-over-year (YOY) Growth (%) 2018-2021f

Figure Ship Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Construction Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure U.S. Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Canada Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Mexico Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Thermoplastic Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Thermosetting Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Automobile Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Aircraft Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Sports Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Aerospace and Military Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Ship Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Construction Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Germany Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure UK Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure France Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Italy Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f



Figure Rest of Europe Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Thermoplastic Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Thermosetting Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Automobile Segmentation Market Size (USD Million) 2017-2021f and Year-over-

year (YOY) Growth (%) 2018-2021f

Figure Aircraft Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Sports Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Aerospace and Military Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Ship Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Construction Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure China Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure India Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Japan Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure South Korea Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Southeast Asia Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Australia Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Rest of Asia Pacific Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Thermoplastic Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f Figure Thermosetting Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f Figure Automobile Segmentation Market Size (USD Million) 2017-2021f and Year-over-



year (YOY) Growth (%) 2018-2021f

Figure Aircraft Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Sports Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Aerospace and Military Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Ship Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Construction Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Brazil Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Argentina Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Rest of Latin America Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Thermoplastic Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Thermosetting Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Automobile Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Aircraft Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Sports Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Aerospace and Military Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Ship Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Construction Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure GCC Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f



Figure North Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure South Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Rest of Middle East and Africa Market Size (USD Million) 2017-2021f and Yearover-year (YOY) Growth (%) 2018-2021f

Figure Thermoplastic Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Thermosetting Carbon Fibre Composite Materials Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Automobile Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Aircraft Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Sports Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Aerospace and Military Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Ship Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Construction Segmentation Market Size (USD Million) 2017-2021f and Year-overyear (YOY) Growth (%) 2018-2021f

Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

Figure Carbon Fibre Composite Materials Sales Revenue (Million USD) of SGL Group 2017-2020e

Figure Carbon Fibre Composite Materials Sales Revenue (Million USD) of Toray Group 2017-2020e

Figure Carbon Fibre Composite Materials Sales Revenue (Million USD) of Barnet 2017-2020e

Figure Carbon Fibre Composite Materials Sales Revenue (Million USD) of Hexcel 2017-2020e

Figure Carbon Fibre Composite Materials Sales Revenue (Million USD) of Toho Tenax 2017-2020e

Figure Carbon Fibre Composite Materials Sales Revenue (Million USD) of Nippon Graphite Fiber Corporation 2017-2020e

Figure Carbon Fibre Composite Materials Sales Revenue (Million USD) of Mitsubishi Rayon 2017-2020e



#### I would like to order

Product name: Carbon Fibre Composite Materials Market Status and Trend Analysis 2017-2026 (COVID-19 Version)

Product link: https://marketpublishers.com/r/C8BD96DAAAF6EN.html

Price: US\$ 3,000.00 (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/C8BD96DAAAF6EN.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



Carbon Fibre Composite Materials Market Status and Trend Analysis 2017-2026 (COVID-19 Version)