

# **Composite Fabrication Technologies: Global Markets** to 2023

https://marketpublishers.com/r/C14B842DABBEN.html

Date: May 2019

Pages: 140

Price: US\$ 2,750.00 (Single User License)

ID: C14B842DABBEN

## **Abstracts**

#### **REPORT SCOPE:**

The report focuses on equipment used to transform composite materials into finished products or subassemblies such as aircraft wings, wind turbine blades, automotive components. It does not include equipment used to produce the composite materials themselves, such as carbon fibers.

#### **REPORT INCLUDES:**

35 data tables and 18 additional tables

An overview of the global composite fabrication market

Analyses of composite fabrication market size, and global market trends, with data from 2017, 2018, and projections of compound annual growth rates (CAGRs) through 2023

Detailed overview of composite fabrication technologies and discussion of their drivers, restrains and opportunities

Information on nanocomposites, prepreg machinery and pultrusion and description of their potential applications

Comprehensive company profiles of key players in the market, including Accudyne Engineering & Equipment Co., CMET, GEBE2 Productique, Hewlett-Packard, Pultrex Ltd. and Stratasys







## **Contents**

#### **CHAPTER 1 INTRODUCTION**

Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
Information Sources
Methodology
Geographic Breakdown
Analyst's Credentials
BCC Custom Research
Related BCC Research Reports

#### **CHAPTER 2 SUMMARY AND HIGHLIGHTS**

#### **CHAPTER 3 MARKET AND TECHNOLOGY BACKGROUND**

**Definitions** 

Composites

Composite Manufacturing Processes

Semi-finished Products Production

Forming and Lay-up

Curing and Finishing

**End-Use Sectors and Applications** 

Aerospace and Defense

Wind Energy

Automotive

**Building and Construction Products** 

Shipbuilding

Sports and Leisure Equipment

Medical Equipment

Railway Equipment

Electrical and Electronic Equipment

Geographical Segments

**Market Summary** 

#### CHAPTER 4 MARKET BREAKDOWN BY PROCESS AND EQUIPMENT TYPE



Summary

Semi-finished Products Production

Prepreg Production

Sheet Molding Compound/Bulk Molding Compound Production

Forming and Lay-up

Hand Lay-up

Spray Lay-up

Resin Transfer Molding

Injection Molding

Pultrusion

Compression Molding

Automated Fiber Placement (AFP)/Automated Tape Laying (ATL)

Composite Braiding

Filament Winding

Additive Manufacturing

Curing and Finishing

**Curing Equipment** 

Finishing Equipment

#### **CHAPTER 5 MARKET BREAKDOWN BY END USER**

#### CHAPTER 6 MARKET BREAKDOWN BY REGION

#### **CHAPTER 7 ANALYSIS OF MARKET OPPORTUNITIES**

Growing the Market by Reducing Composite Fabrication Costs

**Increasing Automation** 

Developing Less Expensive Machines

Developing New Processes and Products.

Additive Manufacturing of Composite Products

Growing Use of Nanocomposites

#### CHAPTER 8 PATENT REVIEW

Patents by Type of Equipment

Semi-finished Products

Forming and Lay-up

Finishing

Patent Trends over Time



Patent Trends by Country Selected Recent Patents Semi-finished Products Molding and Lay-up Curing and Finishing

#### **CHAPTER 9 COMPANY PROFILES**

3D SYSTEMS

ACCUDYNE ENGINEERING & EQUIPMENT CO.

AFPT GMBH

AMERICAN AUTOCLAVE CO.

ARBURG GMBH+CO KG

**AREVO LABS** 

**ASHIRVAD INDUSTRIES** 

ASPECT INC.

**AUTOMATED DYNAMICS** 

**CMET** 

DME

ELECTROIMPACT INC.

**ENERGY SCIENCES INC.** 

ENGINEERING TECHNOLOGY CORP.

**ENVIROSYSTEMS LLC** 

**ENVISIONTEC INC.** 

EOS

ETTLIGER KUNSTSTOFFMASCHINEN GMBH

FOREST-LIN? INDUSTRIES

**GEBE2 PRODUCTIQUE** 

GLOBAL FINISHING SOLUTIONS LLC

FINISHING TECHNOLOGIES

GLOBE MACHINE MANUFACTURING CO.

GRACO INC.

**HEWLETT-PACKARD** 

INGERSOLL MACHINE TOOLS

**KEVVOX** 

KRAUSMAFFEI TECHNOLOGIES GMBH

MICROJET TECHNOLOGIES

**MTORRES** 

PACIFIC PRESS TECHNOLOGIES



PHOENIX COMPOSITES EQUIPMENT CO.
PRODWAYS
PULTREX LTD.
ROTH COMPOSITE MACHINERY GMBH
SOLIDSCAPE
STRATASYS
VISTEX COMPOSITES LLC
WOLFANGEL GMBH



## **List Of Tables**

#### LIST OF TABLES

Summary Table: Global Market for Composite Manufacturing Equipment, by Product Type, Through 2023

Table 1: Global Market for Composites Consumption, by End Use, Through 2023

Table 2: Global Market Shares of Composites Consumption, by End Use, 2017-2023

Table 3: Typical Composite Applications in Motor Vehicles

Table 4: Automotive Applications of Nanocomposite Materials

Table 5: Global Market for Composites Consumption, by Region, Through 2023

Table 6: Global Market Shares of Composites Consumption, by Region, 2017-2023

Table 7: Global Market for Composite Manufacturing Equipment, by Product Type,

Through 2023

Table 8: Global Market for Composite Manufacturing Equipment, by End Use, Through 2023

Table 9: Global Market for Composite Manufacturing Equipment, by Region, Through 2023

Table 10: Global Market for Composite Manufacturing Equipment, by Process Type, Through 2023

Table 11: Global Market for Semi-finished Composite Products Equipment, by Process Type, Through 2023

Table 12: Prepreg Machine Suppliers

Table 13: Global Market for Prepreg Production Machines, Through 2023

Table 14: SMC/BMC Machine Suppliers

Table 15: Global Market for SMC/BMC Production Machines, Through 2023

Table 16: Global Market for Composite Products Forming and Lay-up Equipment, by

Process Type, Through 2023

Table 17: Hand Lay-up Equipment Suppliers

Table 18: Global Market for Hand Lay-up Tools and Related Equipment, Through 2023

Table 19: Spray Lay-up Equipment Suppliers

Table 20: Global Market for Spray Lay-up Tools and Related Equipment, Through 2023

Table 21: Major RTM Applications

Table 22: RTM Equipment Suppliers

Table 23: Global Market for RTM Systems and Related Equipment, Through 2023

Table 24: Injection Molding Equipment Suppliers

Table 25: Global Market for Injection Molding Systems and Related Equipment,

Through 2023

Table 26: Pultrusion Machine Suppliers



- Table 27: Global Market for Pultrusion Systems and Related Equipment, Through 2023
- Table 28: Compression Molding Machine and Related Equipment Suppliers
- Table 29: Global Market for Compression Molding Systems and Related Equipment,

Through 2023

- Table 30: AFP/ATL Suppliers
- Table 31: Global Market for AFP/ATL Systems and Related Equipment, Through 2023
- Table 32: Composites Braiding Equipment Suppliers
- Table 33: Global Market for Braiding Composite Systems and Related Equipment,

Through 2023

- Table 34: Filament Winding Equipment Suppliers
- Table 35: Global Market for Filament Winding Machinery, Through 2023
- Table 36: Additive Manufacturing Technologies Used to Form Objects from Composites
- Table 37: Additive Manufacturing System Suppliers
- Table 38: Global Market for Additive Manufacturing Systems Attributed to Composites,

Through 2023

- Table 39: Global Market for Composites Curing and Finishing Equipment, Through 2023
- Table 40: Composites Autoclave, Oven and Other Curing Equipment Suppliers
- Table 41: Global Market for Composites Curing Equipment, Through 2023
- Table 42: Composites Finishing Equipment Suppliers
- Table 43: Global Market for Composites Finishing Equipment, Through 2023
- Table 44: Global Market for Composite Manufacturing Equipment, by End User,

Through 2023

- Table 45: Global Market for Composite Manufacturing Equipment, by Region, Through 2023
- Table 46: Global Nanocomposite Market, Through 2023
- Table 47: Composite Equipment-Related Patents Issued, Through March 2019
- Table 48: Composite Semi-finished Product Equipment-Related Patents Issued,

Through March 2019

- Table 49: Composite Forming and Lay-up Equipment-Related Patents Issued, Through March 2019
- Table 50: Composite Finishing Equipment-Related Patents Issued, Through March 2019
- Table 51: Composite-Related Equipment Patent Trends over Time, by Product Type, 2014-2018
- Table 52: Composite-Related Equipment Patents, by Issuing Country, Through March 2019



# **List Of Figures**

#### **LIST OF FIGURES**

Summary Figure: Global Market for Composite Manufacturing Equipment, by Product Type, 2017-2023

Figure 1: Global Market Shares of Composite Manufacturing Equipment, by Technology Type, 2017-2023

Figure 2: Global Market Shares of Semi-finished Composite Products Equipment, by Process Type, 2017-2023

Figure 3: Global Market for Prepreg Production Machines, 2017-2023

Figure 4: Global Market for SMC/BMC Production Machines, 2017-2023

Figure 5: Global Market Shares of Composite Products Forming and Lay-up Equipment, by Process Type, 2017-2023

Figure 6: Global Market for Hand Lay-up Tools and Related Equipment, 2017-2023

Figure 7: Global Market for Spray Lay-up Tools and Related Equipment, 2017-2023

Figure 8: Global Market for RTM Systems and Related Equipment, 2017-2023

Figure 9: Global Market for Injection Molding Systems and Related Equipment, 2017-2023

Figure 10: Global Market for Pultrusion Systems and Related Equipment, 2017-2023

Figure 11: Global Market for Compression Molding Systems and Related Equipment, 2017–2023

Figure 12: Global Market for AFP/ATL Systems and Related Equipment, 2017-2023

Figure 13: Global Market for Composite Braiding and Related Equipment, 2017-2023

Figure 14: Global Market for Filament Winding Machinery, 2017-2023

Figure 15: Global Market for Manufacturing Systems Attributed to Composites, 2017-2023

Figure 16: Global Market Shares of Composite Curing and Finishing Equipment, by Process Type, 2017-2023

Figure 17: Global Market for Composites Curing Equipment, 2017-2023

Figure 18: Global Market for Composites Surface Finishing Equipment, 2017-2023

Figure 19: Global Market Shares of Composite Manufacturing Equipment, by End User, 2017-2023

Figure 20: Global Market Shares of Manufacturing Systems Attributed to Composites, by Region, 2017-2023

Figure 21: Global Market for Additive Manufacturing Hardware, 2017-2023

Figure 22: Global Nanocomposites and Conventional Composites Market, 2017 and 2023

Figure 23: Shares of Composite Equipment-Related Patents Issued, Through March



#### 2019

Figure 24: Shares of Composite Semi-finished Product Equipment-Related Patents Issued, Through March 2019

Figure 25: Shares of Composite Forming and Lay-up Equipment-Related Patents Issued, Through March 2019

Figure 26: Shares of Composite Semi-finished Product Equipment-Related Patents Issued, Through March 2019

Figure 27: Composite-Related Equipment Patent Trends over Time, by Product Type, 2014-2018

Figure 28: Composite Forming and Lay-up-Related Equipment Patent Trends over Time, by Equipment Type, 2014-2018

Figure 29: Shares of Composite-Related Equipment Patents, by Issuing Country, Through March 2019



#### I would like to order

Product name: Composite Fabrication Technologies: Global Markets to 2023

Product link: https://marketpublishers.com/r/C14B842DABBEN.html

Price: US\$ 2,750.00 (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 <a href="https://marketpublishers.com/r/C14B842DABBEN.html">https://marketpublishers.com/r/C14B842DABBEN.html</a>

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 <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

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