

Frac Sand Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global frac sand market size reached US\$ 7.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 11.4 Billion by 2028, exhibiting a growth rate (CAGR) of 8.24% during 2023-2028.

Frac sand is a naturally occurring type of crystalline silica that is processed from pure sandstone. It is used as a proppant in the process of hydraulic fracturing, also known as fracking, employed widely by oil and gas companies to extract natural gas, petroleum and related materials by drilling rock or land, known as shale, with a pressurized mixture. This pressurized mixture consists of water, frac sand and various chemicals, which are injected into the rock formations to break open the fractures for the release of fluids such as oil, water and gas. Since the particles of frac sand are uniform with distinct round shape and small grain size, natural fluids can pass between them. It holds an edge over other types of sand since they are usually a mixture of various minerals and rock types, which are less durable than quartz.

A thriving oil and gas industry is the key factor driving the global market growth. With the number of oil and gas exploration activities on the rise across the globe, the demand for frac sand is also experiencing strong growth. In order to meet the rapidly increasing demand for petroleum and oil and gas worldwide, the technique of hydraulic fracturing is widely being employed by the oil and gas industry. This consequently is increasing the demand for frac sand as well since it is integral to the operation with approximately thousand tons of frac sand being required per hydraulic fracturing process. Additionally, the introduction of fine-mesh frac sand, which enhances the flow of natural fluid while they are released from the shale, is also catalyzing the market growth. Other factors such as its cost-effectiveness when compared with resin-coated and ceramic proppants, are also contributing significantly to its demand.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global frac sand market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on type and application.

Breakup by Type:

White Sand
Brown Sand
Others

Breakup by Application:

Oil Exploitation
Natural Gas Exploration
Others

Breakup by Region:

North America
Asia Pacific
Europe
Middle East and Africa
Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being CARBO Ceramics, Emerge Energy Services, Covia Holdings, Hi Crush, Source Energy Services, U.S Silica, Preferred Sands, Badger Mining Corporation, Mammoth Energy Service, Inc, Smart Sand Inc., Chongqing Changjiang, etc.

Key Questions Answered in This Report

1. What was the size of the global frac sand market in 2022?
2. What is the expected growth rate of the global frac sand market during 2023-2028?
3. What are the key factors driving the global frac sand market?
4. What has been the impact of COVID-19 on the global frac sand market?
5. What is the breakup of the global frac sand market based on the type?

6. What is the breakup of the global frac sand market based on the application?
7. What are the key regions in the global frac sand market?
8. Who are the key players/companies in the global frac sand market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL FRAC SAND MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Type
- 5.5 Market Breakup by Application
- 5.6 Market Breakup by Region
- 5.7 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 White Sand
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Brown Sand

- 6.2.1 Market Trends
- 6.2.2 Market Forecast
- 6.3 Others
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Oil Exploitation
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Natural Gas Exploration
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Others
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Asia Pacific
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Middle East and Africa
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Latin America
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast

9 SWOT ANALYSIS

- 9.1 Overview

- 9.2 Strengths
- 9.3 Weaknesses
- 9.4 Opportunities
- 9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

- 11.1 Overview
- 11.2 Bargaining Power of Buyers
- 11.3 Bargaining Power of Suppliers
- 11.4 Degree of Competition
- 11.5 Threat of New Entrants
- 11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 MANUFACTURING PROCESS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 CARBO Ceramics
 - 14.3.2 Emerge Energy Services
 - 14.3.3 Covia Holdings
 - 14.3.4 Hi Crush
 - 14.3.5 Source Energy Services
 - 14.3.6 U.S Silica
 - 14.3.7 Preferred Sands
 - 14.3.8 Badger Mining Corporation
 - 14.3.9 Mammoth Energy Service, Inc
 - 14.3.10 Smart Sand Inc.
 - 14.3.11 Chongqing Changjiang

List Of Tables

LIST OF TABLES

Table 1: Global: Frac Sand Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Frac Sand Market Forecast: Breakup by Type (in Million US\$), 2023-2028

Table 3: Global: Frac Sand Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Frac Sand Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Frac Sand Market Structure

Table 6: Global: Frac Sand Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Frac Sand Market: Major Drivers and Challenges
- Figure 2: Global: Frac Sand Market: Sales Value (in Billion US\$), 2017-2022
- Figure 3: Global: Frac Sand Market: Breakup by Type (in %), 2022
- Figure 4: Global: Frac Sand Market: Breakup by Application (in %), 2022
- Figure 5: Global: Frac Sand Market: Breakup by Region (in %), 2022
- Figure 6: Global: Frac Sand Market Forecast: Sales Value (in Billion US\$), 2023-2028
- Figure 7: Global: Frac Sand Industry: SWOT Analysis
- Figure 8: Global: Frac Sand Industry: Value Chain Analysis
- Figure 9: Global: Frac Sand Industry: Porter's Five Forces Analysis
- Figure 10: Global: Frac Sand (White Sand) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 11: Global: Frac Sand (White Sand) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 12: Global: Frac Sand (Brown Sand) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 13: Global: Frac Sand (Brown Sand) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 14: Global: Frac Sand (Other Types) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 15: Global: Frac Sand (Other Types) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 16: Global: Frac Sand (Oil Exploitation) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 17: Global: Frac Sand (Oil Exploitation) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 18: Global: Frac Sand (Natural Gas Exploration) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 19: Global: Frac Sand (Natural Gas Exploration) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 20: Global: Frac Sand (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 21: Global: Frac Sand (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 22: North America: Frac Sand Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 23: North America: Frac Sand Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 24: Asia Pacific: Frac Sand Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Asia Pacific: Frac Sand Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 26: Europe: Frac Sand Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Europe: Frac Sand Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Middle East and Africa: Frac Sand Market: Sales Value (in Million US\$),
2017 & 2022

Figure 29: Middle East and Africa: Frac Sand Market Forecast: Sales Value (in Million
US\$), 2023-2028

Figure 30: Latin America: Frac Sand Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Latin America: Frac Sand Market Forecast: Sales Value (in Million US\$),
2023-2028

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