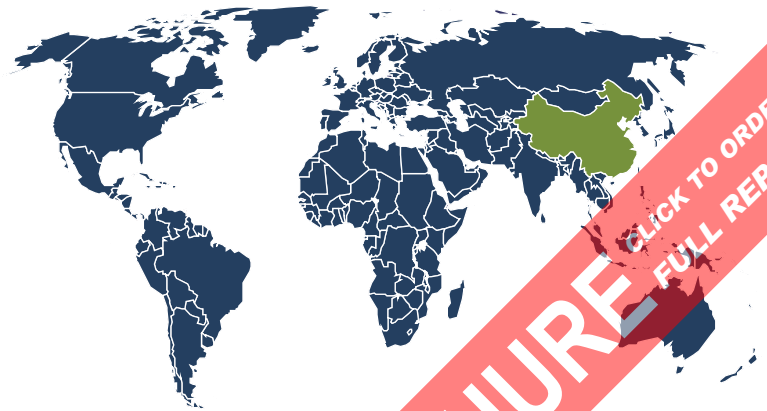




Freedonia Focus Reports
Global Collection

Forestry Equipment: China

January 2020



CLICK TO ORDER
FULL REPORT

BROCHURE

CLICK TO ORDER
FULL REPORT

www.freedoniafocusreports.com

Table of Contents

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	6
Technology & Innovation	7
Environmental & Regulatory Factors	8
Used, Remanufactured, & Leased Machinery Competition	10
Asia/Pacific Regional Outlook	11
3. Segmentation & Forecasts	12
Products	12
Felling Equipment	14
Extracting Equipment	15
Loaders	16
On-Site Processing Equipment	16
Mulchers & Other Equipment	17
Separately Sold Parts & Attachments	17
Supply & Demand	19
4. Industry Structure	21
Industry Characteristics	21
Market Leaders	22
China National Machinery Industry (中国机械工业集团)	23
Guangxi LiuGong Machinery (广西柳工机械股份)	24
Xiamen XGMA Machinery (厦门厦工机械股份)	24
5. About This Report	26
Scope	26
Sources	27
Industry Codes	27
Freedonia Methodology	27
Resources	29

List of Tables & Figures

Figure 1 China: Key Trends in the Forestry Equipment Market, 2018 – 2023	3
Figure 2 China: Forestry Equipment Demand Trends, 2008 – 2018	5
Table 1 China: Key Indicators for Forestry Equipment Demand, 2008 – 2023 (2017US\$ bil)	6
Figure 3 Asia/Pacific: Forestry Equipment Demand by Country, 2018 (%)	11
Figure 4 China: Forestry Equipment Demand by Product, 2008 – 2023 (US\$ mil)	12
Table 2 China: Forestry Equipment Demand by Product, 2008 – 2023 (US\$ mil)	12
Figure 5 China: Forestry Equipment Demand by Product, 2008 – 2023 (%)	18
Table 3 China: Forestry Equipment Supply & Demand, 2008 – 2023 (US\$ mil)	19
Table 4 China: Selected Suppliers to the Forestry Equipment Market by Major Product Group	23
Table 5 HS Codes Related to Forestry Equipment	27

About This Report

Scope

This report forecasts to 2023 forestry equipment (林业装备) demand and production in nominal US dollars at the manufacturer level in China. Total demand is segmented by product in terms of:

- felling equipment
- extracting equipment
- loaders
- on-site processing equipment
- mulchers and other equipment such as dozers and other logging site preparation machinery, brushcutters, and scarifiers
- separately sold parts and attachments

To illustrate historical trends, total demand is provided in annual series from 2008 to 2018; production and the various segments are reported at five-year intervals for 2008, 2013, and 2018.

This report analyzes the supply of and demand for forestry equipment, including both purpose-built forestry machinery and agricultural and construction equipment adapted for use in forestry applications.

Excluded from the scope of this report are:

- chainsaws used in construction, emergency rescue, lawn and garden care (including professional arborist products), and all other non-forestry settings
- vehicles utilized to transport personnel and equipment to and from forestry sites
- on-road trucks and trailers used to transport logs and wood chips from the landing to sawmills and other off-site facilities
- used forestry equipment of all types
- personal protection products such as helmets and gloves
- axes, handsaws, and other non-powered equipment (such as log sleds/skids designed to be pulled by horses) used in manual logging operations

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Forestry Equipment: China (FC75044) is based on [Global Forestry Equipment](#), a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 5 | HS Codes Related to Forestry Equipment

HS Code	Definition
820240	Chainsaw blades
843680	Other agricultural, horticultural, forestry, poultry-keeping, or bee-keeping machinery
843699	Parts of other agricultural, horticultural, forestry, poultry-keeping, or bee-keeping machinery
846781	Chainsaws
846791	Parts of chainsaws

Source: United Nations Statistics Division

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published

About This Report

data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Copyright & Licensing

The full report is protected by copyright laws of the United States of America and international treaties. The entire contents of the publication are copyrighted by The Freedonia Group.

Resources

The Freedonia Group

Global Forestry Equipment

Freedonia Industry Studies

Agricultural Pesticide Market in the US

Construction Chemicals in the US

Global Agricultural Equipment

Global Construction Aggregates

Global Construction Chemicals

Global Construction Machinery

Global Diesel Engines

Global Mining Equipment

Global Power Tools

Home & Garden Pesticides

Landscaping Products

Lawn & Garden Robots

Lawn & Garden Watering Products

Power Lawn & Garden Equipment

Freedonia Focus Reports

Architectural Services: United States

Commercial Building Construction: United States

Construction Machinery: China

Construction: United States

Diesel Engines: China

Electric Motors: China

Fertilizers: United States

Furniture: United States

Global Housing

Global Macroeconomy

Global Power Lawn & Garden Equipment

Global Power Tools

Material Handling Equipment: China

Paper & Paperboard: United States

Wood Millwork: United States

Freedonia Custom Research

Trade Publications

Diesel Progress

Equipment World

Friday Offcuts

International Forest Industries

International Journal of Forest Engineering

Loggers World

Agencies & Associations

Association of Equipment Manufacturers

ASTM International

China Construction Machinery Association

China Machinery Industry Federation

Forest Stewardship Council

General Administration of Quality Supervision, Inspection and Quarantine

International Organization for Standardization

International Monetary Fund

National Bureau of Statistics of China

Organisation for Economic Co-operation and Development

United Nations

World Bank