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Motorcycles: United States

May 2018



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Table of Contents

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	6
NAFTA Overview	7
Technology Trends	9
Legal & Regulatory Factors	11
3. Segmentation & Forecasts	13
Products	13
ICE Medium & Heavy	15
ICE Light	16
ICE Scooters, Mopeds, & Motorbikes	16
Electric	17
Production	19
4. Industry Structure	21
Industry Characteristics	21
Market Leaders	23
Harley-Davidson	23
Honda	23
Yamaha	24
5. About This Report	25
Scope & Method	25
Sources	26
Industry Codes	26
Resources	27

List of Tables & Figures

Figure 1 Key Trends in the US Motorcycle Market, 2017 – 2022	3
Figure 2 US Motorcycle Demand Trends, 2007 – 2017	5
Table 1 Key Indicators for US Motorcycle Demand, 2007 – 2022	6
Figure 3 NAFTA Motorcycle Demand by Country, 2017 (%)	7
Figure 4 US Motorcycle Demand by Product, 2007 – 2022 (000 units)	13
Table 2 US Motorcycle Demand by Product, 2007 – 2022 (000 units)	13
Figure 5 US Motorcycle Demand, 2007 – 2022 (US\$ mil)	14
Table 3 US Motorcycle Demand, 2007 – 2022 (US\$ mil)	14
Figure 6 US Motorcycle Demand by Product, 2007 – 2022 (%)	17
Figure 7 US Motorcycle Production, 2007 – 2022 (000 units)	19
Table 4 US Motorcycle Production, 2007 – 2022 (000 units)	19
Table 5 Leading Participants in the US Motorcycle Industry	21
Table 6 Industry Codes Related to Motorcycles	26

About This Report

Scope & Method

This report forecasts to 2022 US motorcycle demand and production in units. Demand is also forecast to 2022 in nominal US dollars at the manufacturer level. Total demand in units is segmented by product in terms of:

- internal combustion engine (ICE) medium and heavy
- ICE light
- ICE scooters, mopeds, and motorbikes
- electric

To illustrate historical trends, total demand is provided in annual series from 2007 to 2017; production and the various segments are reported at five-year intervals for 2007, 2012, and 2017.

In addition to two-wheeled vehicles, trikes (three-wheeled motorcycles) are included in the report numbers. Three-wheeled motorcycles include sidecar motorcycles, which are two-wheeled motorcycles with an attached one-wheel sidecar; and traditional or purpose-built motorcycles used for recreational purposes that are fitted with a two-wheeled axle in either the front or rear. Excluded from the scope of this report are separately sold sidecars; three-wheeled auto rickshaws or truck-like “three-wheelers” produced in India, China, and other emerging markets that are used principally for business purposes; and utility vehicles, such as all-terrain vehicles, utility task vehicles, autocycles, and motor vehicle/motorcycle hybrids.

This report 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.

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

Motorcycles: United States (FF85016) is based on *Global Motorcycles*, 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 including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international 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 6 | Industry Codes Related to Motorcycles

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
336991	Motorcycle, Bicycle, and Parts Mfg	3751	Motorcycles, Bicycles, and Parts

Source: US Census Bureau

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Resources

The Freedonia Group

Global Motorcycles, May 2018

Freedonia Industry Studies

Recreational Vehicles in the US, April 2018

Recreational Boating in the US, March 2018

North American Medium- & Heavy-Duty Truck Aftermarket, February 2018

Battery Markets in the US, December 2016

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ASTM International

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National Highway Traffic Safety Administration

United States Census Bureau

United States Environmental Protection Agency

United States International Trade Commission