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Bearings

US Industry Study with Forecasts for **2017 & 2022**

Study #3069 | August 2013 | \$5100 | 282 pages



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INDUSTRY STRUCTURE

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Gains will be supported by an ongoing recovery in motor vehicle manufacturing, healthy levels of machinery production, and increased output of construction, oilfield, and mining equipment.

US demand to rise 4.4% annually through 2017

Bearing demand in the US is forecast to increase 4.4 percent per year to \$12.9 billion in 2017, a notable improvement from the modest growth registered during the 2007 to 2012 period. Of this demand, \$10.6 billion will be attributable to ball and roller bearings, and \$2.3 billion will be attributable to plain bearings. Market gains will be supported by improved conditions throughout the US economy. Motor vehicle manufacturing, which is the largest bearing-using market, will continue to recover from the decline in output in 2008 and 2009, with production expected to increase 3.0 percent per year through 2017. Bearing sales will also be bolstered by healthy levels of machinery production.

Increased output of construction, oilfield, and mining equipment, as well as growing shipments of engine, turbine, and power transmission equipment will be of particular importance to bearing suppliers. These industries are heavy users of more advanced, high-value bearing products, which will support value gains.

Roller bearings to remain fastest growing products

Roller bearing demand is expected to continue to outpace other product types through 2017, supported by a recovery in the US motor vehicle market, accelerating machinery shipments, and increased sales of large, high-value roller

US Bearing Demand, 2017 (\$12.9 billion)



Ball

Roller

Plain

Mounted

Parts

bearings used in heavy machinery and wind turbines. Ball bearing consumption will also post healthy gains, supported by increased manufacturing output, although value gains in this product category will continue to be held back by intense competition from low-cost foreign suppliers. Plain bearing demand growth will approximate that expected in the overall bearing market as conditions in the automotive and aerospace industries improve.

Domestic shipments to keep pace with demand

Bearing shipments from US plants are forecast to increase 4.3 percent annually

to \$12 billion in 2017, approximating demand growth. Industry output will be stimulated by growth in several key domestic bearing-using industries (e.g., motor vehicles, machinery) and by rising demand in a number of export markets. A number of firms, both foreign and domestic, have expanded their US bearing production capacity in recent years as they prepare to meet growing domestic demand levels. Furthermore, US bearing manufacturers' ongoing efforts to improve the quality and performance of their products, and to increase the efficiency of their manufacturing processes, will also help spur output growth.

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Sample Text, Table & Chart

MARKETS

Bearing Market -- Demand for bearings in the machinery market is forecast to grow 5 b... 2017. Sales performance of OEM bearings market, but growth posted during the 2... supported by output growth in... particularly strong sales of... cial refrigeration equipment... such as semiconductor machinery manufacturing. Gains will be driven by sales of highly-engineered, higher-value bearing products designed to improve efficiency and useful product life.

Further dollar value advances in this market will help moderate bearing price increases. Slowing increases in raw material costs, competition from lower cost producers, and pressure from large machinery manufacturers will dampen pricing gains. In addition, shipments of general purpose machinery (fans and blowers, packaging machines, pumps and compressors, etc.) will lag overall machinery shipment growth, restricting gains to some degree.

Machinery manufacturers use a wide range of bearing products, including all of the major types. Often, bearing manufacturers offer value-added products that meet the needs of a specialized machinery application. For instance, Kaydon's REALI-SLIM bearings are designed specifically for use in a range of semi-conductor machinery. The space saving design of these bearings allows for utilization in small and more precise end-use applications such as vacuum deposi... and wafer transfer equipment. A number of companies offer... specifically for food and beverage processing machinery. In performing the basic function of bearings, these products meet the stringent hygiene requirements of the food and beverage industry. Products utilized in machinery are often required to endure heavy load...

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SAMPLE
TEXT

TABLE III-3

PRECISION RADIAL BALL BEARING SUPPLY & DEMAND (million dollars)

Item	2002	2007	2012	2017	2022
Ball Bearing Demand	20				50
% precision radial					2
Precision Radial Ball Bearing Demand					5
Double-Row					0
Single-Row Conrad:					5
Regular (ABEC 1 & 3)					7
Precision (ABEC 5 & Up)					8
Integral Shaft & Spindle Ball					5
Angular Contact					0
Single-Row Maximum Capacity					5
Other					0
- imports					0
+ exports					0
Precision Radial Bearing Shipments	1				15

SAMPLE
TABLE

CHART V-1

US MARKET SHARE BY COMPANY, 2012 (\$10.4 billion)



SAMPLE
CHART

Sample Profile, Table & Forecast

TABLE IV-4
MOTOR VEHICLE BEARING DEMAND
 (million dollars)

Item	2002	2007	2012	2017	2022
Motor Vehicle Production (000 units) 1					
\$ bearings/vehicle					
Motor Vehicle Bearing Demand					
By Vehicle Type:					
Light Vehicles					
Medium/Heavy Trucks & Buses					
By Application:					
Transmission & Powertrain					
Engine & Engine Accessories					
Steering & Suspension					
Other					
By Bearing Type:					
Ball & Roller					
Plain					
% motor vehicle OEM Bearing Demand					

**SAMPLE
PROFILE**

**SAMPLE
TABLE**

**STUDY
COVERAGE**

This Freedonia study, **Bearings**, offers historical data (2002, 2007, 2012) plus forecasts for 2017 and 2022 for supply and demand, as well as demand by product and market in the US. This study also examines key market environment factors, assesses company market share and profiles 32 competitors in the US bearings industry.

COMPANY PROFILES

Frantz Manufacturing Company
 3201 West LeFevre Road
 Sterling, IL 61081
 815-625-7000
 http://www.frantz.com

Annual Sales: \$10.5 million
 Employees: 100
 Key Products: Conveyor bearings, steel balls

Frantz Manufacturing Company is a privately held company that manufactures conveyor bearings, steel balls, and other bearing products.

The Company participates in the US bearing industry through the manufacture of conveyor bearings and steel balls. Frantz conducts manufacturing operations at a plant in Sterling, Illinois, and markets its products throughout the US via a network of independent distributors. Conveyor bearings, which are marketed under the FRANTZ brand name, are utilized mainly in unit handling conveyor systems. Among the conveyor bearings from Frantz are GENSTAR and GENII types. GENSTAR conveyor bearings have carbon steel adapters and an insert made from static discharge material to eliminate the buildup of static electricity. These bearings are designed for use in high speed, live roller applications with speed, sound reduction, and weight capacity requirements. In May 2012, the Company expanded its GENSTAR bearing line by introducing ELIMINATOR bearings for axle-free conveyor rollers. These bearings are made with Frantz's IronGrip design, which adapts smaller diameter bearings to larger diameter tubes.

The Company's GENII conveyor bearings are made through a proprietary process that ensures a precise fit-up between raceways and

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OTHER STUDIES

Wind Turbine Systems

US demand for wind turbine systems is forecast to reach \$18.9 billion in 2018, a nearly ninefold increase over severely depressed 2013 levels. The market for wind turbines tends to be highly volatile due to its reliance on government incentives. Feed-in tariff payments and various grants from the Department of Energy will drive gains going forward. This study analyzes the \$2.1 billion US wind turbine system industry, with forecasts for 2018 and 2023 by type, component, application and US region. The study also evaluates company market share and profiles industry players.
 #3139 March 2014..... \$5100

Circuit Breakers & Fuses

US demand for circuit breakers and fuses will rise 5.5 percent yearly to \$5.1 billion in 2017. The residential construction market will lead gains, driven by a rebound in new housing activity. Circuit breakers will outpace fuses as power breakers benefit from electrical grid updates and greater use by independent power producers and nonutility generators. This study analyzes the \$3.9 billion US circuit breaker and fuse industry, with forecasts for 2017 and 2022 by product and market. The study also evaluates company market share and profiles industry players.
 #3106 January 2014 \$5100

World Electric Motors

World demand for electric motors is projected to increase 6.5 percent per year to \$122.5 billion in 2017. The Asia/Pacific region will be the largest source of market growth through 2017. Demand for AC motors will outpace DC types. Motor vehicles and heating and cooling equipment will be the fastest growing markets. This study analyzes the \$89.4 billion world electric motor industry, with forecasts for 2017 and 2022 by product, market, world region, and for 30 countries. The study also evaluates company market share and profiles industry players.
 #3055 October 2013 \$6100

World Turbines

The world market for turbines and related products (turbine-based engines, generators, and generator sets) is forecast to rise 6.4 percent annually to \$162 billion in 2016. Wind turbines will remain the largest and fastest growing segment (albeit at a more moderate rate), while demand for gas combustion turbines will accelerate. This study analyzes the \$119 billion world turbine industry, with forecasts for 2016 and 2021 by application, product, world region and for 22 countries. The study also evaluates company market share and profiles industry competitors.
 #3009 March 2013..... \$6100

World Tractors

World demand for tractors will rise 6.8 percent annually through 2016 to \$122 billion. Gains in the Asia/Pacific region will be more than twice that of any other region, with China alone claiming nearly one-third of the global total. Agricultural tractors will remain the largest segment, followed by tractors for construction and mining applications. This study analyzes the \$88 billion world tractor industry, with forecasts for 2016 and 2021 by market, product, world region and for 23 countries. The study also evaluates company market share and profiles industry participants.
 #2984 February 2013..... \$6300

About The Freedonia Group

The Freedonia Group, Inc., is a leading international industry market research company that provides its clients with information and analysis needed to make informed strategic decisions for their businesses. Studies help clients identify business opportunities, develop strategies, make investment decisions and evaluate opportunities and threats. Freedonia research is designed to deliver unbiased views and reliable outlooks to assist clients in making the right decisions. Freedonia capitalizes on the resources of its proprietary in-house research team of experienced economists, professional analysts, industry researchers and editorial groups. Freedonia covers a diverse group of industries throughout the United States, the emerging China market, and other world markets. Industries analyzed by Freedonia include:

- Chemicals • Plastics • Life Sciences • Packaging • Building Materials • Security & Electronics • Industrial Components & Equipment • Automotive & Transportation Equipment • Household Goods • Energy/Power Equipment

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