



[CLICK TO VIEW](#)

[Table of Contents 2](#)

[List of Tables & Charts 3](#)

[Study Overview 4](#)

[Sample Text, Table & Chart 5](#)

[Sample Profile, Table & Forecast 6](#)

[Order Form & Corporate Use License 7](#)

[About Freedonia, Custom Research, Related Studies, 8](#)

World Construction Machinery

Industry Study with Forecasts for **2015 & 2020**

Study #2776 | August 2011 | \$6100 | 448 pages

www.freedoniagroup.com



The Freedonia Group

767 Beta Drive

Cleveland, OH • 44143-2326 • USA

Toll Free US Tel: 800.927.5900 or +1 440.684.9600

Fax: +1 440.646.0484

E-mail: info@freedoniagroup.com

Table of Contents

EXECUTIVE SUMMARY

MARKET ENVIRONMENT

General	4
World Economic Overview	5
Recent Historical Trends	6
World Economic Outlook	8
World Population Overview	12
Population	12
Urban Population	14
World Construction Outlook	15
Nonbuilding	18
Residential Building	20
Nonresidential Building	22
Pricing Patterns	24
Technology Trends	28
Used & Rented Machinery	32
Legal & Regulatory Environment	34

OVERVIEW

General	37
Regional Overview	38
Demand	38
Production	44
International Trade	48
Demand by Product	50
Loaders	52
Cranes & Draglines	55
Excavators	58
Off-Highway Trucks & Tractors	61
Mixers, Pavers & Related Equipment	64
Graders, Rollers & Related Equipment	66
Parts & Attachments	68
Rental & Leasing Markets	70

NORTH AMERICA

Overview	73
Supply & Demand	74
Outlook	76
United States	78
Canada	84
Mexico	90

WESTERN EUROPE

Overview	97
Supply & Demand	98
Outlook	100
Germany	103
France	109
United Kingdom	115
Italy	121
Spain	127
Netherlands	132
Other Western Europe	138
Switzerland	146
Belgium	147
Sweden	148
Finland	149
Austria	150
All Other	151

ASIA/PACIFIC

Overview	153
Supply & Demand	154
Outlook	156
China	159
Japan	166
India	173
South Korea	179
Australia	185
Indonesia	190
Other Asia/Pacific	196
Thailand	203
Taiwan	205
Malaysia	206
All Other	207

OTHER REGIONS

Central & South America	209
Overview	209
Supply & Demand	210
Outlook	212
Brazil	215
Chile	221
Other Central & South America	226
Argentina	232
Colombia	233
All Other	234
Eastern Europe	235
Overview	235
Supply & Demand	236
Outlook	238
Russia	241
Poland	247
Other Eastern Europe	253
Czech Republic	260
Ukraine	261
All Other	262
Africa/Mideast	263
Overview	263
Supply & Demand	265
Outlook	267
Turkey	269
Other Africa/Mideast	275
United Arab Emirates	283
Saudi Arabia	284
Iran	285
South Africa	286
All Other	287

INDUSTRY STRUCTURE

General	289
Industry Composition	290
Market Share	292
Product Developing & Manufacturing	298
Marketing & Distribution	300
Financial Requirements	302
Mergers & Acquisitions	303
Cooperative Agreements	306

COMPANY PROFILES

Astec Industries	317
Atlas Copco	321
Belarusian Autoworks	324
BEML Limited	325
Caterpillar Incorporated	327

Changsha Zoomlion Heavy Industry Science & Technology Development	333
Chelyabinsk Tractor Plant-Uraltrac	335
Concern Tractor Plants	337
Deere & Company	339
Doosan Infracore	344
Fiat Industrial	347
GAZ OAO	352
Groupe Fayat	354
Guangxi Liugong Machinery	356
Herrenknecht AG	358
Hitachi Limited	360
Hyundai Heavy Industries	365
JCB Limited	367
Kobe Steel	370
Komatsu Limited	374
Kubota Corporation	380
Liebherr-International	383
Lonking Holdings	387
Manitou BF	389
Manitowoc Company	392
Mitsubishi Heavy Industries	396
Oshkosh Corporation	398
PALFINGER AG	401
SANY Heavy Industry	404
SCHWING GmbH	406
Sumitomo Heavy Industries	408
Tadano Limited	411
Tata Motors	414
Terex Corporation	416
Volvo AB	422
Wacker Neuson	426
Wirtgen Group	429
Xiamen XGMA Machinery	432
Xuzhou Construction Machinery	433
Other Companies Mentioned in Study	435

List of Tables/Charts

EXECUTIVE SUMMARY

1 Summary Table	3
-----------------------	---

MARKET ENVIRONMENT

1 World Gross Domestic Product by Region ..	11
2 World Population by Region	13
3 World Urban Population by Region	15
4 World Construction Expenditures by Type & Region	17
Cht World Construction Expenditures by Region, 2010	18
5 World Nonbuilding Construction Expenditures by Region	20
6 World Residential Building Construction Expenditures by Region	22
7 World Nonresidential Building Construction Expenditures by Region ..	24
8 World Construction Machinery Prices	27
Cht World Construction Machinery Prices, 2000-2020	28

(continued on following page)

List of Tables/Charts

(continued from previous page)

OVERVIEW

1	World Construction Machinery Demand by Region	41
Cht	World Construction Machinery Demand by Region, 2010	42
Cht	Additional Construction Machinery Demand -- 2015 Versus 2010	42
Cht	World Construction Machinery Demand, Projected 2010-2015 Annual Rate of Growth	43
2	World Construction Machinery Shipments by Region	47
Cht	World Construction Machinery Shipments by Region, 2010	48
3	World Construction Machinery Net Exports by Region	50
4	World Construction Machinery Demand by Product	51
Cht	World Construction Machinery Demand by Product, 2010	52
5	World Loader Demand by Region	55
6	World Crane & Dragline Demand by Region	58
7	World Excavator Demand by Region	60
8	World Off-Highway Truck & Tractor Demand by Region	63
9	World Mixer, Paver & Related Equipment Demand by Region	65
10	World Grader, Roller & Related Equipment Demand by Region	68
11	World Construction Machinery Parts & Attachments Demand by Region	70

NORTH AMERICA

1	North America: Construction Machinery Supply & Demand	75
2	North America: Construction Machinery Demand by Product	78
3	United States: Construction Machinery Supply & Demand	81
4	United States: Construction Machinery Demand by Product	84
5	Canada: Construction Machinery Supply & Demand	87
6	Canada: Construction Machinery Demand by Product	90
7	Mexico: Construction Machinery Supply & Demand	93
8	Mexico: Construction Machinery Demand by Product	96

WESTERN EUROPE

1	Western Europe: Construction Machinery Supply & Demand	100
2	Western Europe: Construction Machinery Demand by Product	103
3	Germany: Construction Machinery Supply & Demand	106

4	Germany: Construction Machinery Demand by Product	109
5	France: Construction Machinery Supply & Demand	112
6	France: Construction Machinery Demand by Product	115
7	United Kingdom: Construction Machinery Supply & Demand	118
8	United Kingdom: Construction Machinery Demand by Product	121
9	Italy: Construction Machinery Supply & Demand	124
10	Italy: Construction Machinery Demand by Product	126
11	Spain: Construction Machinery Supply & Demand	129
12	Spain: Construction Machinery Demand by Product	132
13	Netherlands: Construction Machinery Supply & Demand	135
14	Netherlands: Construction Machinery Demand by Product	138
15	Other Western Europe: Construction Machinery Supply & Demand	141
16	Other Western Europe: Construction Machinery Supply & Demand by Product	144
17	Other Western Europe: Construction Machinery Supply & Demand by Country	145

ASIA/PACIFIC

1	Asia/Pacific: Construction Machinery Supply & Demand	156
2	Asia/Pacific: Construction Machinery Demand by Product	159
3	China: Construction Machinery Supply & Demand	163
4	China: Construction Machinery Demand by Product	166
5	Japan: Construction Machinery Supply & Demand	170
6	Japan: Construction Machinery Demand by Product	173
7	India: Construction Machinery Supply & Demand	176
8	India: Construction Machinery Demand by Product	179
9	South Korea: Construction Machinery Supply & Demand	182
10	South Korea: Construction Machinery Demand by Product	185
11	Australia: Construction Machinery Supply & Demand	188
12	Australia: Construction Machinery Demand by Product	190
13	Indonesia: Construction Machinery Supply & Demand	193
14	Indonesia: Construction Machinery Demand by Product	196
15	Other Asia/Pacific: Construction Machinery Supply & Demand	199
16	Other Asia/Pacific: Construction Machinery Demand by Product	202
17	Other Asia/Pacific: Construction Machinery Supply & Demand by Country	203

OTHER REGIONS

1	Central & South America: Construction Machinery Supply & Demand	212
2	Central & South America: Construction Machinery Demand by Product	215
3	Brazil: Construction Machinery Supply & Demand	218
4	Brazil: Construction Machinery Demand by Product	221
5	Chile: Construction Machinery Supply & Demand	224
6	Chile: Construction Machinery Demand by Product	226
7	Other Central & South America: Construction Machinery Supply & Demand	229
8	Other Central & South America: Construction Machinery Demand by Product	231
9	Other Central & South America: Construction Machinery Supply & Demand by Country	232
10	Eastern Europe: Construction Machinery Supply & Demand	238
11	Eastern Europe: Construction Machinery Demand by Product	241
12	Russia: Construction Machinery Supply & Demand	244
13	Russia: World Construction Machinery Demand by Product	247
14	Poland: Construction Machinery Supply & Demand	250
15	Poland: Construction Machinery Demand by Product	253
16	Other Eastern Europe: Construction Machinery Supply & Demand	256
17	Other Eastern Europe: Construction Machinery Demand by Product	259
18	Other Eastern Europe: Construction Machinery Supply & Demand by Country	260
19	Africa/Mideast: Construction Machinery Supply & Demand	266
20	Africa/Mideast: Construction Machinery Demand by Product	269
21	Turkey: Construction Machinery Supply & Demand	272
22	Turkey: Construction Machinery Demand by Product	274
23	Other Africa/Mideast: Construction Machinery Supply & Demand	278
24	Other Africa/Mideast: Construction Machinery Demand by Product	281
25	Other Africa/Mideast: Construction Machinery Supply & Demand by Country	282

INDUSTRY STRUCTURE

1	Construction Machinery Sales for Selected Companies, 2010	291
Cht	World Construction Machinery Market Share, 2010	293
2	Selected Acquisitions & Divestitures	305
3	Selected Cooperative Agreements	308

[Click here to purchase online](#)

India, China, Malaysia and Indonesia are among the Asian countries that will record strong growth. China alone will account for 39 percent of all new equipment demand through 2015.

World demand to rise 6.5% annually through 2015

World demand for construction machinery is projected to expand 6.5 percent per annum through 2015 to \$171 billion, in line with the 2005-2010 rate of increase. Following recent severe losses between 2008 and 2010, equipment sales are expected to rebound sharply in North America, Western Europe and Eastern Europe. In contrast, growth in the Africa/Mideast, Asia/Pacific, and Central and South American markets is expected to slow during the 2010-2015 period, as both mining and construction activity in these regions climb at more restrained paces.

Asia/Pacific region to generate most new demand

Over half of all additional construction equipment demand generated between 2010 and 2015 will be attributable to the Asia/Pacific region. Sales of construction machinery are predicted to rise nearly seven percent per year through 2015 because of increases in construction spending and mining output. Although this represents healthy gains, the rate of growth is a deceleration from the double-digit annual rates recorded during the 2005-2010 period. India, China, Malaysia and Indonesia are among the Asian countries that will record strong growth. China alone will account for 39 percent of all new equipment demand through 2015.



North America, Europe demand to rebound sharply

Construction machinery demand in North America is also forecast to grow nearly seven percent annually between 2010 and 2015, as product sales in the US recover rapidly. Equipment consumption in the US is projected to expand over seven percent per annum during this time, after a dramatic decline between 2007 and 2010 due to turmoil in the residential construction market and the global financial crisis. Double-digit annual residential building construction spending gains will fuel advances in the US market. Mexico is also expected to perform better through 2015, while growth in Canada, on the other hand, will

decelerate slightly because of limited increases in construction activity.

Following a period of sizable losses between 2008 and 2010, the East and West European construction machinery markets are expected to show renewed strength as advances in construction spending and mining activity stimulate increases in equipment demand. The adoption of Stage IV emissions standards for off-highway engines by European Union countries, which is expected to drive up the prices of construction machinery, will add to value gains. Nearly all East and West European countries are forecast to record healthy growth.

Copyright 2011 The Freedonia Group, Inc.

[Click here to purchase online](#)

Sample Text, Table & Chart

ASIA/PACIFIC

India: Outlook

Sales of construction equipment are projected to increase percent per year through 2015 to \$6.0 billion, outpacing adva the Asia/Pacific region as a whole. Strong advances in nonb residential building and nonresidential building construction tures will bolster equipment market growth. Infrastructure in is expected to accelerate between 2010 and 2015, generating equipment demand. As part of the North Eastern State Road Programme, for instance, India plans to build or upgrade 433 of roads in six states. The \$301 million project, which is due pleted in 2016, will be jointly funded by the Indian governm Asian Development Bank. The construction machinery mark benefit from increases in mining output and additional inflow investment.

The graders, rollers and related equipment and the mixe and related equipment segments are forecast to record the fas through 2015, as road construction in India accelerates signif and other types of nonbuilding construction activity increase. Sales of excavators, loaders, off-highway trucks and tractors, and draglines are expected to rise because of advances in mining output. Loaders, which are versatile and relatively cheap machines, will also benefit from their popularity with small and mid-sized construction firms. Sales of cranes in India are set to in residential, commercial and industrial con areas. Many co firms and mining stocks of aging so they will conti ents of spare part

Construction factories in Ind ected to increase 5 billion in 2015 growth for the Asia/Pacific region as a whole. Equipment ou increase primarily because of advances in local consumption

177

Copyright 2011

**SAMPLE
TEXT**

TABLE VI-7

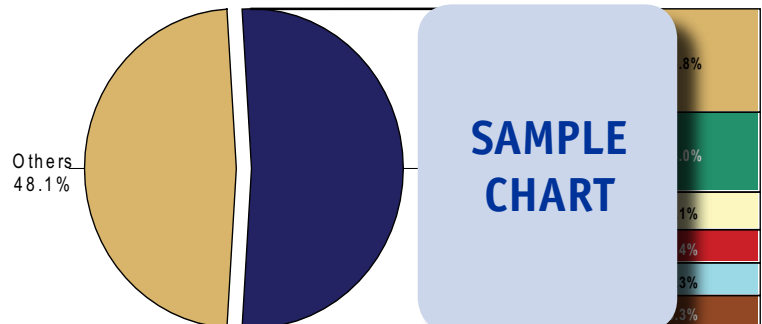
INDIA: CONSTRUCTION MACHINERY SUPPLY & DEMAND

Item	2000	2005	2010	2015	2020
Population (millions)	1,000	1,100	1,200	1,300	1,410
per capita GDP	1,000	1,500	2,000	2,500	3,000
Gross Domestic Product (bil 2009\$)	1,000	2,000	3,000	4,000	5,000
% construction	10	12	14	16	19
Construction Expenditures (bil 2009\$):					
Nonbuilding	1,000	1,500	2,000	2,500	3,000
Residential Building	1,000	1,500	2,000	2,500	3,000
Nonresidential Building	1,000	1,500	2,000	2,500	3,000
\$ machinery/capita	1,000	1,500	2,000	2,500	3,000
\$ machinery/000\$ GDP	1,000	1,500	2,000	2,500	3,000
\$ machinery/000\$ construction	1,000	1,500	2,000	2,500	3,000
Construction Machinery Demand (mil net exports)	1,000	1,500	2,000	2,500	3,000
Construction Machinery Shpts (mil \$)	1,000	1,500	2,000	2,500	3,000
% India	1,000	1,500	2,000	2,500	3,000
A/P Const Machinery Shpts (mil \$)	1,000	1,500	2,000	2,500	3,000

**SAMPLE
TABLE**

CHART VIII-1

WORLD CONSTRUCTION MACHINERY MARKET SHARE (\$125.0 billion, 2010)

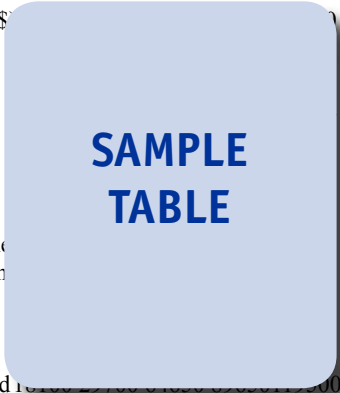


**SAMPLE
CHART**

Sample Profile, Table & Forecast

TABLE VI-8
INDIA: CONSTRUCTION MACHINERY DEMAND BY PRODUCT
 (million dollars)

Item	2000	2005	2010	2015	2020
Construction Expenditures (bil 2009\$)					
\$ machinery/000\$ construction					
Construction Machinery Demand					
Loaders					
Cranes & Draglines					
Excavators					
Off-Highway Trucks & Tractors					
Mixers, Pavers & Related Equipment					
Graders, Rollers & Related Equipment					
Parts & Attachments					
% India					
A/P Construction Machinery Demand					



COMPANY PROFILES

Belarusian Autoworks OJSC
 40 let Oktyabrya Street 4
 222160 Zhodino
 Belarus
 375-1775-3-2
 http://www.be

SAMPLE PROFILE

Annual Sales:
 Employment:
 Key Products: zers and concrete mixers

Belarusian Autoworks, or BELAZ, is a manufacturer of dump trucks and other heavy vehicles for use in mining and construction applications. The Company is privately held.

The Company participates in the world construction machinery industry through the manufacture of dump trucks, wheel loaders, wheel dozers and concrete mixers. These products are sold mainly under the BELAZ and MOAZ brand names. BELAZ's dump trucks are utilized primarily in mining applications, but are suitable for construction end uses and are offered with payload capacities of up to 320 metric tons. Among the Company's wheel loaders is the BELAZ 7822 model, which features a hydromechanical transmission and a 10-metric-ton payload capacity. A representative wheel dozer is the BELAZ 7823 type that has a 4-meter-wide blade and an operating weight of 50,000 kilograms. BELAZ manufactures such concrete mixers as the MOAZ SMB-060 model, which has a mixing time of 15 to 20 minutes.

Manufacturing operations are conducted by the Company at a 140,000-square-meter plant in Zhodino, Belarus. BELAZ's MOAZ

324 Copyright 2011 The Freedonia Group, Inc.

“Although Indian manufacturers will benefit from new export opportunities, they will find capturing foreign market share more difficult in the future because of increased competition from suppliers in China, Japan, South Korea, the US and Western Europe. As a result, India's trade deficit is expected to grow to \$2.9 billion in 2015..”

--Section VI, pg. 177

ONLINE: www.freedoniagroup.com

MAIL: Print out and complete the order form and send to The Freedonia Group (see address at the bottom of this form)

PHONE: Call toll free, 800.927.5900 (US) or + 1 440.684.9600

FAX: + 1 440.646.0484 (US)

EMAIL: info@freedoniagroup.com

Free Handling & Shipping

There is NO charge for handling or UPS shipping in the US. Expect delivery in 3 to 5 business days. Outside the US, Freedonia provides free airmail service. Express delivery is available at cost.

Credit Card Orders

For convenience, Freedonia accepts American Express, MasterCard or Visa. Credit card purchases must include account number, expiration date and authorized signature.

Orders Outside of the US

Checks must be made payable in US funds, drawn against a US bank and mailed directly to The Freedonia Group. For wire transfers please contact our customer service department at info@freedoniagroup.com. Credit cards accepted.

Save 15%

If you order three (3) different titles at the same time, you can receive a 15% discount. If your order is accompanied by a check or wire transfer, you may take a 5% cash discount (discounts do not apply to Corporate Use Licenses).

Corporate Use License

Now every decision maker in your organization can act on the key intelligence found in all Freedonia studies. For an additional \$2600, companies receive unlimited use of an electronic version (PDF) of the study. Place it on your intranet, e-mail it to coworkers around the world, or print it as many times as you like,

[Click here to learn more about the Corporate Use License](#)

ORDER FORM

F-WEB.2776

World Construction Machinery..... \$6100

Corporate Use License (add to study price) * + \$2600
___ Additional Print Copies @ \$600 each *
Total (including selected option) \$_____

Enclosed is my check (5% discount) drawn on a US bank and payable to The Freedonia Group, Inc., in US funds (Ohio residents add 7.75% sales tax)

Bill my company American Express MasterCard Visa

Credit Card #

MM YY
Expiration Date

Signature _____

Name _____

Title _____

Company _____

Division _____

Street _____
(No PO Box please)

City/State/Zip _____

Country _____

Phone _____ Fax _____

Email _____

* Please check appropriate option and sign below to order an electronic version of the study.

Corporate Use License Agreement

The above captioned study may be stored on the company's intranet or shared directory, available to company employees. Copies of the study may be made, but the undersigned represents that distribution of the study will be limited to employees of the company.

Signature _____

Individual Use License Agreement

The undersigned hereby represents that the above captioned study will be used by only ___ individual(s) who are employees of the company and that the study will not be loaded on a network for multiple users. In the event that usage of the study changes, the Company will promptly notify Freedonia of such change and will pay to Freedonia the appropriate fee based on Freedonia's standard fee schedule then in effect. Note: Entire company corporate use license, add \$2600; one additional user, add \$600; two additional users, add \$1200; three additional users, add \$1800.

Signature _____

OTHER STUDIES

World Mining Equipment

This study analyzes the world mining equipment industry. It presents historical demand data for the years 2000, 2005 and 2010, and forecasts for 2015 and 2020 by mining application (metal, coal, mineral), equipment type (surface; underground; drills and breakers; crushing, pulverizing and screening; mineral processing), world region and major country. The study also considers market environment factors, details industry structure, evaluates company market share and profiles industry players.

#2806 October 2011 \$6200

World Power Lawn & Garden Equipment

World power lawn and garden equipment demand will rise 4.8 percent yearly through 2015. North America and Western Europe will remain dominant markets, with the US alone claiming over 60 percent of new demand. Lawnmowers will remain the top segment, while turf and grounds equipment leads gains. This study analyzes the \$14.9 billion world power lawn and garden equipment industry, with forecasts for 2015 and 2020 by product, market, world region and for 22 countries. The study also evaluates company market share and profiles industry players.

#2797 August 2011 \$6100

World Power Tools

World power tool demand is projected to rise 4.4 percent annually through 2015. The pace of growth will be the fastest in developing Asian countries, although the US will also provide solid growth opportunities with an expected turnaround in the current housing crisis. Electric tools will remain dominant, with cordless product posting the best gains. This study analyzes the \$22 billion world power tool industry, with forecasts for 2015 and 2020 by product, market, world region and for 25 countries. The study also evaluates company market share and profiles industry players.

#2763 June 2011 \$6100

World Material Handling Products

Global demand for material handling products will rise 6.5 percent annually through 2014. The US will be among the fastest growing markets, along with India and China. Conventional products will benefit from recovery in developed areas while advanced/automated types will post the best gains. This study analyzes the \$82 billion global material handling product industry, with forecasts for 2014 and 2019 by type, market, world region and for 37 countries. It also evaluates company market share and profiles industry participants.

#2687 October 2010 \$6100

World Agricultural Equipment

Global demand for agricultural equipment will rise 4.5 percent per year through 2014, paced by the accelerating mechanization of the farm sectors in developing countries. Replacement demand will define the industrialized world, led by "precision agriculture" equipment that use GPS and wireless sensors. This study analyzes the \$99.2 billion world agricultural equipment industry, with forecasts for 2014 and 2019 by type, world region and for 26 countries. It also evaluates company market share and profiles industry participants.

#2666 August 2010 \$5900

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

[Click here to learn more about Freedonia](#)

Freedonia Custom Research

Freedonia Custom Research delivers the same high quality, thorough and unbiased assessment of an industry or market as an industry study. Since the research initiative is based upon a company's specific needs, companies harness Freedonia's research capabilities and resources to answer unique questions. When you leverage the results of a Freedonia Custom Research engagement, you are able to obtain important answers to specific questions and issues associated with: mergers and acquisitions, new product launches/development, geographic expansion, entry into new markets, strategic business planning, and investment and funding decisions.

Freedonia Custom Research is ideal for companies seeking to make a strategic difference in the status quo and focus on future business growth. Working side by side with clients, Freedonia's team is able to define a research project that is custom-tailored to answer specific questions and provide the basis from which a company can make informed business decisions.

[Click here to learn more about Custom Research](#)



[Click here for complete title list](#)



[Click here to visit freedoniagroup.com](http://www.freedoniagroup.com)