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World Abrasives

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

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

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China passed the US to become the largest national market, and will account for over half of global demand due to increasing per capita incomes and greater fixed investment activity.

Demand to approach $45 billion globally in 2015

Global demand for abrasives is projected to grow 6.3 percent annually to $44.8 billion in 2015. Advances will be driven by ongoing industrialization activity in developing areas, increasing per capita incomes and consumer spending, rising durables manufacturing output and greater fixed investment activity, especially in the Asia/Pacific region. Such increases in construction and manufacturing activity and per capita incomes will also boost demand for abrasives-containing cleaning and maintenance products in the developing world.

China to account for over half of demand in 2015

Although sales gains in North America and Western Europe will not be as strong as those in developing regions, growth will be much improved over the 2005-2010 period as durable goods manufacturing in these areas rebounds. In Western Europe, abrasives demand is expected to increase 2.4 percent per year through 2015, while North America is projected to fare even better, with sales gains averaging 5.0 percent per year. North American motor vehicle output (a major end market for abrasives) will rebound from a substantial decline during the 2000-2010 period to post strong gains going forward. However, competition from lower-cost foreign producers will put pressure on domestic manufacturers, limiting production gains and associated demand for abrasives.

World Abrasive Demand by Region
($44.8 billion, 2015)

Abrasives sales in Central and South America, the Africa/Mideast region and Eastern Europe are projected to outpace demand in developed areas but will lag gains in the Asia/Pacific region. The fastest gains will be seen in nations such as China and India. China passed the US to become the largest national market for abrasives between 2000 and 2005, and is expected to account for over half of global demand in 2015.

Loose grains and powders demand to spur dollar growth of nonmetallics

The largest product segment in dollar terms, nonmetallic abrasives, includes bonded abrasives, coated abrasives, and loose grains and powders. Nonmetallic abrasives are expected to register slower sales gains than metallic types. Demand for loose grains and powders is forecast to expand the fastest of any nonmetallic abrasive type through 2015, supported by rising levels of integrated circuit manufacturing. Coated and bonded abrasive sales are expected to rise at similar rates. Coated abrasives are used in a variety of applications, and the market will expand in step with durables manufacturing and construction activity globally. Bonded abrasives are generally used in metalworking applications. Superabrasives, which are most often used in a bonded form, are gaining favor with producers due to their long life and high performance characteristics.

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Sample Text, Table & Chart

TABLE VI-5

CHINA: ABRASIVES DEMAND BY PRODUCT
(million dollars)

Item	2000	2005	2010	2015	2020
Asia/Pacific Abrasives Demand					
% China					
China Abrasives Demand					
Nonmetallic:					
Coated					
Cloth					
Paper & Other					
Bonded					
Conventional					
Superabrasive					
Loose Grains & Powders					
Metallic					

SAMPLE TABLE

ASIA/PACIFIC

China: Abrasives Outlook & Suppliers

Demand for abrasives in China is projected to grow
annually to $17.0 billion in 2015. China will remain by fa
market for abrasives in the world and will see gains in der
are faster than the regional average. Advances will be dri
growth in durables output, supported by both high levels c
mand for durable goods -- especially household goods, (su
dryers and microwaves), transportation equipment and inc
ery -- and healthy foreign demand for numerous locally m
For example, in December 2011 CNH, a major global sup
construction and agricultural machinery, announced plans
in Heilongjiang Province. General Motors has also made significant investments in China, the latest of which is a two-square-kilometer vehicle plant in Shenyang, construction of which began in September 2011.

Abrasives shipments from China's manufacturing facilities are
forecast to cli 0 percent
annually, to $ world
standards, wil Bolstered
by many mult ry to take
advantage of th a do-
mestic marke ble goods,
local shipments obain, for
instance, has continually expanded its production capacity in
the latest plant, for which construction began in Handan in n
will provide a new facility to manufacture bonded abrasives.

SAMPLE TEXT

However, other countries in the Asia/Pacific region, esp
India, are beginning to compete for a larger share of the glob
export market. Furthermore, smaller Chinese manufacturers
of the expertise present in foreign manufacturing companies
production of the most advanced abrasives, making imports

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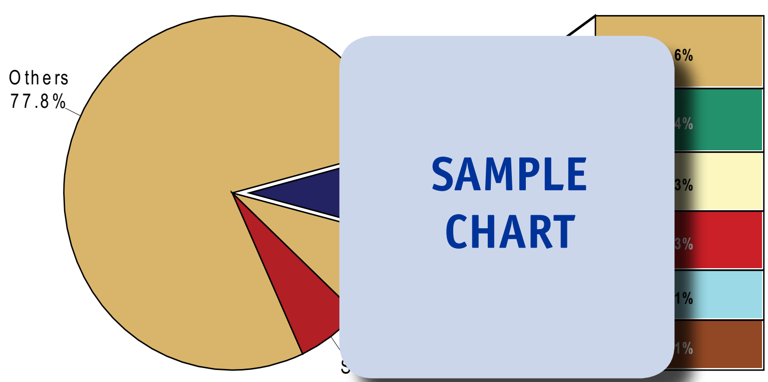
CHART VIII-1

WORLD ABRASIVES MARKET SHARE BY COMPANY
($33.0 billion, 2010)



SAMPLE CHART

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Sample Profile, Table & Forecast

TABLE VI-6

CHINA: ABRASIVES DEMAND BY MARKET
(million dollars)

Item	2000	2005	2010	2015	2020
Abrasives Demand					
Durable Goods Manufacturing:					
Machinery					
Transportation Equipment					
Fabricated Metals					
Electrical & Electronic Equipment					
Other Durable Goods					
Cleaning & Maintenance					
Other					

SAMPLE TABLE

COMPANY PROFILES

Nippon Resibon Corporation
22-10 Kitahorie 1-chome
Nishi-Ku, Osaka 550
Japan
816-653
http://w

Sales: $
Employ

Key Pro ... heels, flap discs and glass fib

SAMPLE PROFILE

Nippon Resibon is a producer and marketer of abrasive wheels and other items. The Company has manufacturing operations in Japan and Thailand.

The Company's abrasive wheels include grinding and cut-off styles, as well as flap discs and glass fiber netting discs. Grinding wheels comprise depressed center and flexible models. Nippon Resibon manufactures depressed center grinding wheels in styles for steel, stainless steel, stone and masonry, and heavy-duty grinding applications. These wheels are sold under such brand names as BEST GRIND and are available with diameters of 100 to 230 millimeters (mm). It sells flexible grinding wheels under the BEST TOUCH brand name. These grinding wheels include types for steel, stainless steel, and stone, masonry, glass and concrete grinding end uses. BEST TOUCH flexible grinding wheels are made in diameters of 100 to 230 mm.

Cut-off wheels made by Nippon Resibon include BEST CUT types, which comprise models for steel, and stone and masonry applications; HIDANO TAKUMI units, which are used to grind steel; and BEST THIN CUT and RSC iron-free types for stainless steel grinding

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"The output of the abrasives industry has grown along with the economy, having advanced 19.1 percent annually since 2005, reaching $11.1 billion in 2010. Chinese manufacturers make every type of abrasive and in large quantities. However, the vast majority of output (especially that which reaches the global market) is commodity-grade output which competes on price. The trade surplus for the nation was equivalent to five percent of demand in 2010, or $550 million, making China the largest single nation exporter of abrasives."

--Section VI, pg. 169

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Other Studies

World Refractories

Global refractory demand will rise 3.4 percent annually through 2016 to 46.3 million metric tons. Sales will grow the fastest in developing areas, reflecting the ongoing shift in heavy industry production to countries with low cost structures. The iron and steel market will remain dominant, based on a pickup in steel output. This study analyzes the 39.2 million metric ton world refractory industry, with forecasts for 2016 and 2021 by market, form, material, world region and for 23 countries. The study also evaluates company market share and profiles industry players.

#2985 .... March 2013................... $6100

Refractories

US demand for refractories is projected to grow 3.3 percent annually to $2.6 billion in 2016. A shift toward higher-priced, advanced refractories will bolster sales value, but longer lasting, more durable refractories will limit future demand. Bricks and shapes will remain the dominant form, but will be slightly outpaced by monolithics and specialized forms. This study analyzes the $2.2 billion US refractory industry, with forecasts for 2016 and 2021 by form, material and market.The study also evaluates company market share and profiles industry players.

#2968 ....December 2012 .... $4900

World Mining Equipment

The world market for mining equipment is projected to climb 8.5 percent annually through 2015 to $92 billion. The Asia/Pacific region will remain the fastest growing market. Metals and coal mining will lead gains by application. Mining drills and breakers will pace demand among product segments. This study analyzes the $61 billion world mining equipment industry, with forecasts for 2015 and 2020 by application, product, world region and for 31 countries. The study also evaluates company market share and profiles industry competitors.

#2840 ....January 2012 .... $6200

Metal Powders

US metal powder demand will grow 6.2 percent annually to $4.8 billion in 2015, driven primarily by increased output in several key industries. Ferrous metal powders will outpace nonferrous types in volume terms, but nonferrous metal powders will remain dominant in value terms. The fastest growing types include tungsten, nickel and ferrous metal powders. This study analyzes the $3.4 billion US metal powders industry, with forecasts for 2015 and 2020 by type, application and market. The study also evaluates company market share and profiles industry players.

#2811 ....December 2011 .... $4900

Welding Equipment & Consumables

US demand for welding equipment and consumables will rise 6.4 percent annually through 2015. Arc and resistance welding systems will remain the dominant welding techniques. Welding electrodes and filler metal will remain the dominant consumables, while emergent products like flux-and metal-cored electrodes grow the fastest. This study analyzes the $5.2 billion US welding equipment and consumables industry, with forecasts for 2015 and 2020 by technology, product and market. The study also evaluates company market share and profiles industry players.

#2785 ....October 2011 .... $4900

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