

ADVANCED MATERIALS SERIES

HARD & SUPERHARD MATERIALS



WORLD MARKETS, APPLICATIONS & COMPETITION: 2008-2012 ANALYSIS & FORECASTS

**INDUSTRIAL DIAMONDS >> CBN/PCBN >> CERAMICS
CEMENTED CARBIDES >> TOOL STEELS**

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OVER 75 PAGES & 125 TABLES & GRAPHS**

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THIS REPORT CONTAINS...

WITHIN THIS REPORT YOU WILL FIND INFORMATION USEFUL IN

- Within this report you will find information useful in:
- Market sizing by product type and application
- Developing Marketing Strategies
- Assessing End-User Needs
- Finding New Regional Markets
- Approaching New Channels of Distribution
- Analyzing the Competition
- Creating Forecast Models Based on Market Trends
- Preparing Internal Market Research Reports
- Making Presentations to Sales & Marketing Teams

WHO SHOULD USE THIS REPORT

- Suppliers of Hard & Superhard Materials
- Other Raw Materials Suppliers
- Senior Marketing Management
- Sales Teams
- Internal Research Departments & Reference Libraries
- Investment Bankers
- Venture Capitalists
- Distributors
- Manufacturers Representatives
- Government Agencies

WORLDWIDE MARKET STATISTICS

- Shifts in Market Dynamics
- World Market Demand by Application
- Developing Markets: China, SE Asia, E. Europe & more...
- Global Industry Growth, Trends and Analysis: N. America, Asia, Europe, S. America, China, Africa, Rest of World

IN-DEPTH ANALYSIS OF MARKET TRENDS

- What forces currently drive the diamond tools industry, and what to expect in both the short and long-term
- How competing technologies, such as synthetic and nanostructured materials, will affect future market demand

GLOBAL COMPETITIVE ENVIRONMENT

- Strategies for Market Competition within Current Market Conditions
- Trends and Supplier Objectives
- New Market Entrants
- Distribution Channels
- Global Market Share by Product Type

END-USER ANALYSIS

- What are end-users looking for — criteria for product and vendor selection
- Purchasing trends based on end-use markets and application
- Discounting
- Product Sophistication
- Technological Innovation

TECHNOLOGY AND PRODUCT DEVELOPMENT

- New Technologies and Market Impact
- Standards and Specifications
- Product Introductions
- Product Comparisons
- Pricing by product type

FUTURE OUTLOOK

- Product Forecasts through 2013
- How end-use product demand trends will impact market growth and development
- Shifts in supplier and distribution channels including foreign trade and manufacturing
- Research and development and potential product developments

COMPANIES RESEARCHED

SYNTHETIC DIAMOND SOURCES

- E6
- Momentive Performance
- Great Western
- Haris
- Iljin
- P1
- Real
- Saint-Gobain/Norton
- SP3
- Sumitomo
- Tomei

CUBIC BORON NITRIDE

- CeramTec
- E6
- Momentive Performance
- HD Superabrasives
- Mitsubishi Materials
- Performance Materials
- Rosst Enterprises
- Showa Denko
- TBW Industries

CERAMICS

- Brush Wellman
- Ceradyne
- CEVP
- COI Ceramics
- ICE
- Kyocera Industrial Ceramic
- LTD Ceramics
- Maruwa
- Morgan Advanced Ceramics
- NTK Technologies
- Rohm & Haas
- Saxonburg Ceramics
- Saint-Gobain
- Showa Denko
- Silicon Carbide
- Superior Technical Ceramics
- TOSOH
- VZS/Seagoe
- Washington-Mills

CEMENTED CARBIDES

- Allegheny/Firth Sterling
- Alloy Technology International, Inc.
- Basic Carbide Corp.
- Carbide Alloys

TOOL STEELS

- Carboly/Seco Tools
- Cerametal
- CERATIZIT
- Dipsol America
- Extramet
- Fansteel
- Federal Carbide
- General Carbide
- Hartwell Industries
- Innovative Carbide
- Kennametal/Carmet
- Leech Carbide
- MacDonald Carbide
- Metadyne
- Mitsubishi Materials
- Newcomer
- Pacific Sintered Metals
- Richter Precision
- Sandvik Coromant
- Sintex-Pacific Hard Metals
- Southern Carbide Die
- Stellram
- Toshiba Tungaloy
- Towanda Metadyne
- Valenite

TOOL STEELS

- A-1 Alloys
- AccuMet Specialty Metals
- ADMA International
- Admiral Steel
- Advanced Alloys
- Aero Specialties Materials
- Alfe Heat Treating
- All Metal Sales
- Allegheny/Ludlum
- Allegheny/Alldyne
- Alloy Tool Steel
- Alpine Steel
- Altemp Alloys
- Aramus Steel
- Arch Metals
- Art Iron
- Associated Steel
- Atlantic Stainless
- Aurora Metals
- Aviation Metals
- B & S Aircraft Alloys
- Baldwin International
- Benedict-Miller
- Böhler Bleche GmbH
- Boston Centerless
- Brush Wellman
- Cada Metals
- Carpenter
- Central Plains Steel
- Champion Steel
- Commercial Metals
- Crucible Specialty Metals
- DiamondTel Steel
- Diversified Industrial
- Diversified Metals
- Dix Metals
- Dura-Bar
- Eastern Tool Steel
- Electralloy
- Falcon Stainless & Alloys
- Firstmiss Steel
- Forging Specialties
- Garden State Precision
- Hitachi Metals America
- Industrial Metals
- Interstate Metals
- King Steel
- Kloster Steel
- Latrobe Steel/Timken
- Lucchini Spa
- Ludlow Steel
- Materials Technology
- Metalsource
- Midwest Metals
- National Specialty Alloys
- NES Steel
- Pacific Sintered Metals
- Parker Steel
- Perlen Steel
- Precision Brand Products
- Progressive Alloy Steel
- Pyramid
- QM Technologies
- Regal Steel
- Saxonia
- Siegal
- Slater Steels
- Southern Tool Steel
- Spec Steels
- Stellram
- Suburban Steel
- Surepure Chemetals
- Thyssen/Krupp Specialty Steel
- U.S. Steel
- Universal Wire Works
- Vanadium Pacific Steel/Vasco
- Zapp USA

MARKET BREAKDOWNS

COUNTRIES

- China
- France
- Germany
- Italy
- Japan
- Korea
- United Kingdom
- United States
- Other Africa
- Other Americas
- Other Asia/Pacific
- Other Europe

- Tool Steels

APPLICATIONS

- Abrasives
- Cutting Tools
- Wear Parts
- Grinding Wheels
- Coatings
- Electronics
- Electrical
- Piezoelectric
- Medical/Laboratory
- Chemical

PRODUCTS

- Industrial Diamonds
- CBN/PCBN
- Ceramics
- Cemented Carbides

- Punches
- Dies
- Blades
- Taps
- Other

- Cermets
- Pricing by Application
- Brazed Tool
- US Producer Shipments
 - Market Drivers
 - Distribution Channels (National, Regional, Local)
 - Distributor Markups
- World Competitive Environment
- Industry Trends and Forecasts
 - Market Drivers
 - Technology Trends

SECTION FIVE: CEMENTED CARBIDES

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- Study Objectives
- Methodology & Sources
- Statistical Notes

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 - Thin-Film Coatings
 - CVD
 - PVD

SECTION TWO: INDUSTRIAL DIAMONDS

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 - Borl
 - Grit/Microgrit
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 - Five-Year Outlook

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 - Technology Trends
 - Five-Year Outlook

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CUTTING TOOLS— World Markets, End-Users & Competition: 2005-2010 Analysis & Forecasts. Published April 2005. 310 Pages. Price PDF: \$2,195; Global License: \$2,445; Print: \$2,395.

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