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UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) March 24, 2008

Brush Engineered Materials Inc.

(Exact name of registrant as specified in its charter)

Ohio		001-15885	34-1919973
	(State or other jurisdiction (Commission of incorporation) File Number)		(IRS Employer Identification No.)
	of incorporation)	The Number)	identification (vo.)
	17876 St. Clair Avenue, Cleveland, Ohio		44110
	(Address of principal executive offices)		(Zip Code)
Reg	cistrant's telephone number, including area code		216-486-4200
	(Former name of	Not Applicable or former address, if changed since	last report.)
	eck the appropriate box below if the Form 8-K filing a following provisions (see General Instruction A.2. be		by the filing obligation of the registrant under any of
	Written communications pursuant to Rule 425 und	er the Securities Act (17 CFR 230.	425)
	Soliciting material pursuant to Rule 14a-12 under t	the Exchange Act (17 CFR 240.14a	n-12)
	Pre-commencement communications pursuant to R	Rule 14d-2(b) under the Exchange A	Act (17 CFR 240.14d-2(b))
	Pre-commencement communications pursuant to R	Rule 13e-4(c) under the Exchange A	Act (17 CFR 240.13e-4(c))

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Item 7.01 Regulation FD Disclosure

On March 24, 2008, Brush Engineered Materials Inc., an Ohio corporation (the "Company"), updated the "Current Investor Update," a slide presentation on its website, a copy of which is attached hereto as Exhibit 99.1. This slide presentation shows the Company's corporate strategy and the financial results through the fourth quarter of 2007.

Item 9.01 Financial Statements and Exhibits

Exhibits:

Exhibit Number	Description of Exhibit
99.1	Current Investor Update

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Brush Engineered Materials Inc.

March 24, 2008 By: Michael C. Hasychak

Michael C. Hasychak Vice President, Treasurer and Secretary

Forward-Looking Statements

These slides contain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These statements involve known and unknown risks, uncertainties and other factors that could cause the actual results of the Company to differ materially from the results expressed or implied by these statements, including health issues, litigation and regulation relating to our business, our ability to achieve profitability, significant cyclical fluctuations in our customers' businesses, competitive substitutes for our products, risks associated with our international operations, including foreign currency rate fluctuations, energy costs and the availability and prices of raw materials and other factors disclosed in periodic reports filed with the Securities and Exchange Commission. Consequently these forward-looking statements should be regarded as the Company's current plans, estimates and beliefs.

The Company does not undertake and specifically declines any obligation to publicly release the results of any revisions to these forward-looking statements that may be made to reflect any future events or circumstances after the date of such statements or to reflect the occurrence of anticipated or unanticipated events.



Brush Engineered Materials Inc. Profile

- Publicly traded since 1956: NYSE-listed since 1972
- Founded 1931 as Brush Beryllium Company, recently celebrated 75th anniversary
 - Building off earlier pioneering technical work at Brush Laboratories
 - Initial scope was development of commercial markets
- With onset of WW II and post war period, significant growth in defense and eventually, aerospace applications
- Mid-70s: major expansion of new commercial markets
- Today, commercial markets represent over 90% of revenues



Brush Engineered Materials Inc. Profile

- A leading manufacturer of high performance specialty engineered materials and services ... an enabling materials technology company
- Four segments...with operations, service centers and major office locations in North America, Europe and Asia
- Serving long-term growth oriented global markets from consumer electronics to heavy mining equipment



Brush Engineered Materials – Core Competency

A common approach to markets and culture across our operating companies

- Collaborating with customers worldwide to solve material application challenges ... with a focus on enabling technology and services
- "Own" a Niche orientation ... non-commodity
- · Focus on global growth and service
- Constantly looking ahead to realign product and service portfolios towards favorable trends ... targeted to achieve strong profitable growth
- Employees who are passionately focused on exceeding customer expectations



Overview

Company: Brush Engineered Materials Inc.

founded 1931, publicly traded since 1956

NYSE Ticker: BW

Shares Outstanding: Approximately 20.6 million at 12/31/07

Market Cap: Approximately \$750 million at 12/31/07

• Component of: S&P Super Composite 1500

Russell 2000

S&P Small Cap 600

Annual Revenue: \$956 million @ 12/31/07

Diluted EPS: \$2.59 for 2007 which includes litigation settlement,

lower of cost or market changes, loss on sale of a small business and the gain on the sale of low cost ruthenium purchased in 2006 or \$1.79 excluding the above items

Debt to Total 9% at 12/31/07

Capitalization:



Fourth Quarter 2007 Recap

Quarterly Revenue

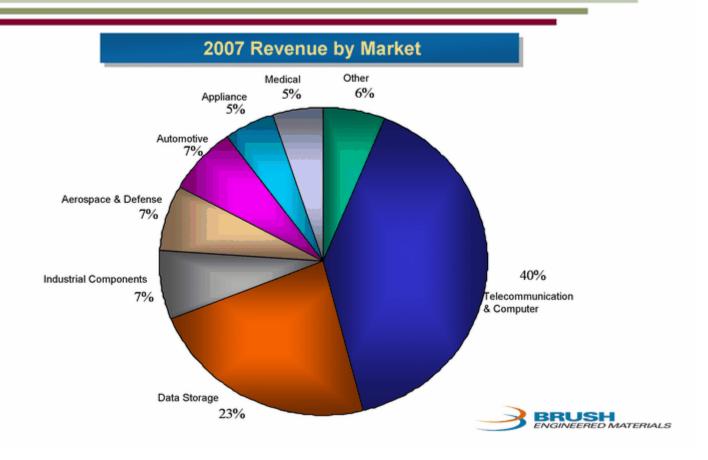
- Up \$33.1 million or 16% compared to fourth quarter 2006
- The ninth consecutive quarter of double digit sales growth
- Metal prices accounted for approximately 7% of the sales increase and organic growth was 9%
- International sales were 45% of the total

EPS

Earnings per share of \$0.60 diluted includes \$0.25 per share for a litigation settlement and a lower of cost or market inventory charge compared to \$1.48 diluted for the fourth quarter of 2006, which included a non-cash benefit of \$1.04 per share related to the reversal of a deferred tax valuation allowance. Absent the above, the Company earned \$0.44 in the fourth quarter 2006 compared to \$0.35 in 2007.



Global Leader in High Performance Engineered Materials



Advancing the World's Technologies

- Strong customer collaboration ... providing enabling technology solutions and service
- Materials that meet design challenges requiring

- Strength

- Electrical conductivity

- Weight reduction

- Reflectivity

- Reliability

- Miniaturization

- Corrosion resistance

- Thermal conductivity

Targeting profitable growth applications in growing markets



Typical End Uses



Notebook computers & network servers

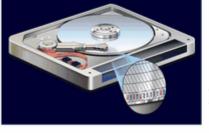


Defense





Medical Devices



Data Storage

Cellular phones, i-Pods and other wireless communication devices



Electronic components in cars and trucks



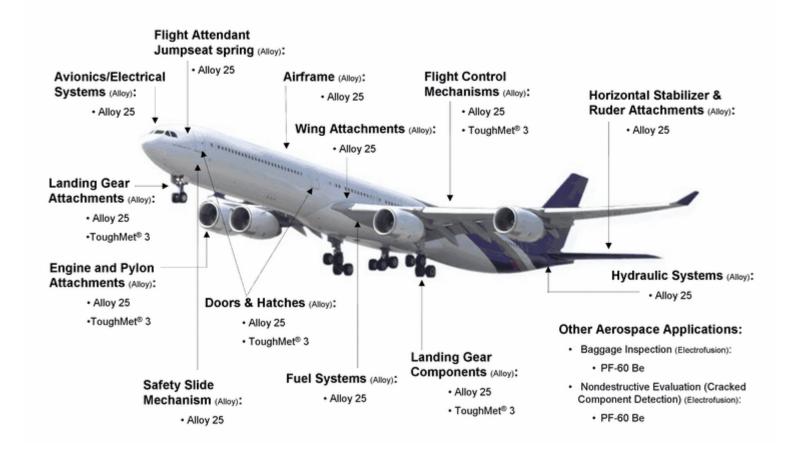


Industrial products for Oil & Gas and Mining





Applications – Aerospace



Applications - Oil & Gas

Wellhead Control Equipment (Alloy):

Brush Alloy 25

• ToughMet® 3

Drill Bits (Alloy):

- Brush Alloy 25
- ToughMet® 3

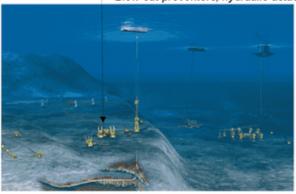
Structural Rig Components (Alloy):

ToughMet® 3

Under Water Wellhead Equipment (Alloy):

- Brush Alloy 25
- ToughMet® 3

Blow out preventers, hydraulic actuators



Directional Drilling Equipment (Alloy):

- · Brush Alloy 25
- ToughMet[®] 3

MWD, LWD, MPT systems

Other Oil & Gas Applications:

- In Situ Elemental Analysis (Electrofusion):
 - PF-60 Be; IF-1 Be
- Down Hole X-Ray Inspection (Electrofusion):
 - PS-200 Be

Applications – Cell Phones



Applications – Medical

Seizure Control (WAM/TFT):

 Thin Film Deposition Implantable Electrode – Parkinson's disease (R&D) -

X-Ray Mammography (Electrofusion):

IS-50M Be

Implantable Glucose Analysis (WAM/TFT):

. Thin Film Coatings - Electrode monitoring device,

External Glucose Analysis (WAM/TFT):

- · Thin Film Materials One-time use
- Refining & Recycling Metal recovery services

Insulin Pump (Alloy):

- · EMI Shielding
- · Electrical Terminals in Connectors
- · Mechanical Chips
- · Connector Systems for equipotential grounding

Vision (WAM/TFT):

· Ocular Implantable Hybrid Circuit

Dental X-Ray (Electrofusion):

• PS-200 Be

Cardiac Rhythm Management (TMI):

- · Electronic Interconnects/Components
 - · Niobium/Titanium Electron Beam Weld

Other Medical Applications:

· CT Scan (Electrofusion): PF-60 Be; PS-200 Be

Bone X-Ray (Electrofusion): PF-60 Be

Ultrasonic Scalpels (Be Products): S-200F Be

Advanced Drug Delivery Components (TMI): Clad Stainless

Hypodermic Components (TMI): Multigauge Stainless

· Diagnostic Electronic Components (TMI): Gold Plating

· Anesthesia Monitoring Components (TMI): Gold Plating

Biopsy Instruments (TMI): Stainless Electron Weld Beam

Cauterizing Electronic Scalpel (TMI): Clad Stainless

Investment Highlights and Strengths

- Global Leader in High Performance Engineered Materials
- Unique Status as Fully Integrated Provider of Beryllium-Containing Products
- Broad Metallurgical Capabilities in Precious and Non-precious Metals
- Global Sales and Distribution Network
- Sales Based on End User Specifications
- Niche Oriented Product Offerings
- Strong Value Proposition in Served Markets
- Strategic Customer Relationships
- Significant Technical Capabilities
- · Positive Long-term Market Trends
- Strong Growth in New Products, a culture of Innovation
- High Barriers to Entry
- Capacity to Support Profitable Market Growth
- Strong Balance Sheet
- Strong Cash Flow



Brush Engineered Materials Inc. Organized into Four Separate Reportable Segments

Advanced Material Technologies and Services

Advanced Material Technologies and Services consists of Williams Advanced Materials Inc. (WAM)

Specialty Engineered Alloys

The Specialty Engineered Alloys segment consists of Alloy Products which includes bulk and strip form copper-based alloy products, hydroxide and the Company's line of ToughMet® materials

Beryllium and Beryllium Composites

The Beryllium and Beryllium Composites segment consists of Beryllium Products including beryllia ceramic manufactured by Brush Ceramic Products Inc.

Engineered Material Systems

The Engineered Material Systems segment is comprised of Technical Materials, Inc.



Advanced Material Technologies and Services 2007 Sales: \$519.9 million

Williams Advanced Materials (WAM)

\$519.9 million; 54%

- Precious metal and specialty alloys for high reliability applications
- Products include precious and non-precious metal vapor deposition targets, frame lid assemblies, clad and precious metal preforms, hightemperature braze materials and ultra fine wire
- Industries served include magnetic and optical data storage, semi-conductor, performance film, wireless/photonics and precision optics











Specialty Engineered Alloys 2007 Sales: \$290.0 million

Alloy Products

\$290.0 million; 30%

- Copper and nickel-based alloy materials, most of which incorporate beryllium
- Strip products are used in electronic connectors including PDA's, wireless communications equipment, notebook and network computers and automotive electronics that require high strength, formability and electrical conductivity
- Bulk products are rod, bar, tube and plate products for heavy equipment and aerospace bushings and bearings, oil & gas components and plastic mold materials where strength, corrosion and wear resistance, thermal conductivity and lubricity are critical performance requirements









Beryllium and Beryllium Composites 2007 Sales: \$60.5 million

Beryllium Products

\$60.5 million; 6%

 Pure beryllium and aluminum-beryllium composites for high-performance applications, principally for medical, space and defense applications where stiffness, strength, lightweight, dimensional stability, reflectivity and xray/nuclear properties are critical.





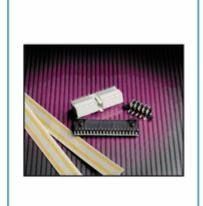


Engineered Material Systems 2007 Sales: \$70.9 million

Technical Materials, Inc. (TMI)

\$70.9 million; 7%

- Engineered material systems, including clad, plated and electron beam welded metals used in demanding connector applications
- Combines precious and non-precious metals in strip form for use in complex electrical components for telecommunications systems, computers and automotive electronics





Fully Integrated Beryllium Producer

- Beryllium and beryllium alloys are critical to many high performance applications
 - Strong
 - Lightweight
 - Good formability

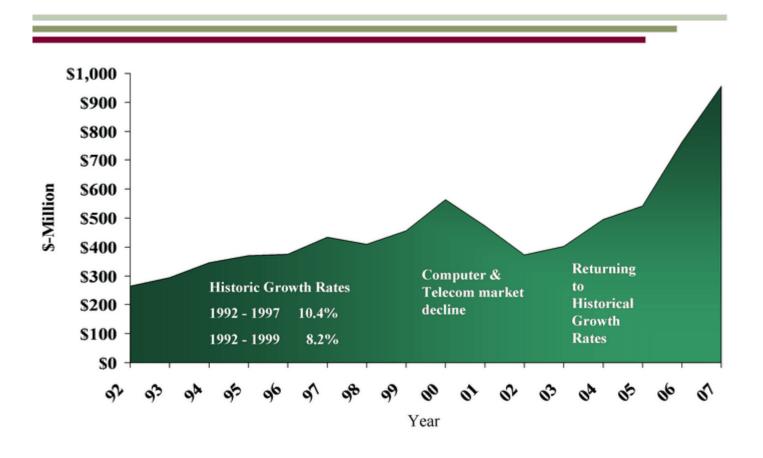
- High reliability
- Thermal and electrical conductivity
- Corrosion and wear resistant
- · Operate the only active bertrandite ore mine in the developed world
 - 7,500 acres in Juab County, Utah
 - Approximately 100 years of proven reserves



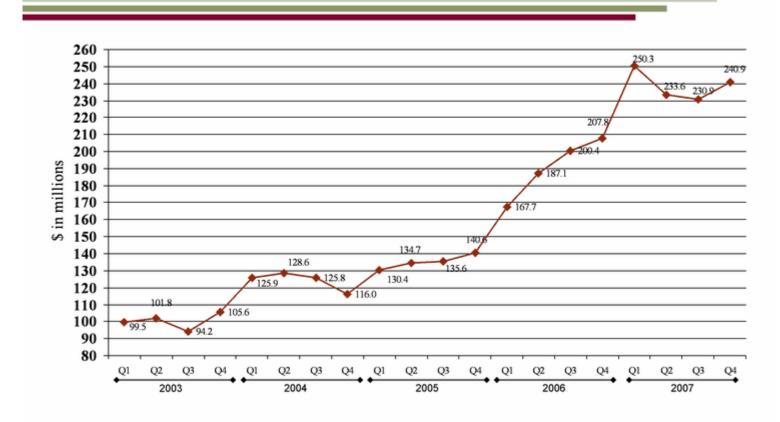
Key Financial Statistics

\$ in millions	2004	2005	2006	2007
Sales	\$496.3	\$541.3	\$763.1	\$955.7
EBIT	25.0	19.5	43.8	84.5
Interest	8.4	6.4	4.1	1.8
Taxes	1.1	(4.7)	(9.9)	29.4
EPS	0.86	0.92	2.45	2.59
G.P.%	22.4%	20.3%	21.2%	20.6%
O.P.%	5.0%	3.6%	5.7%	8.8%
Depreciation & Amort.	21.2	21.7	24.6	23.9
Capital Spending	9.2	13.8	15.5	33.6
Debt	72.5	57.2	48.9	35.5
Cash	49.6	10.6	15.6	31.7
Debt/Total Cap.	26%	21%	15%	9%

In 2001, the computer and telecom market decline drove sales back to mid-90's levels In 2003, growth began to return to historical rates In 2004-2007 growth accelerated



The 4th quarter 2007 was the twentieth consecutive quarter where sales were higher than the comparable quarter of the prior year.



Positive Market Trends

- Electronic component manufacturers are being driven by end user demands to produce products that are smaller, lighter and faster
- Increased electronic component performance characteristics require materials that have enhanced mechanical, electrical and thermal properties
- Growing opportunity for thin film physical vapor deposition (PVD) products in the data storage, semiconductor, solar and medical markets
- Spending and conditions in the telecommunications and computer market have improved
- Conditions continue to be strong in the oil and gas, undersea, aerospace and heavy equipment markets.

Brush has generated year-over-year sales growth in twenty consecutive quarters

Capacity to Support Profitable Market Growth

Well-positioned to support rapid sales growth with minimal incremental cash investment

- Operating with available excess capacity in Alloy Products
 - Minor debottlenecking investments are required
- WAM's Brewster, New York facility doubled its capacity in 2007
- Second phase of WAM's Brewster, New York facility expansion to be completed in 2008

Our on-going value creation initiatives are focused in three key areas

Growth

- Expanding and diversifying the revenue base
 - Targeting profitable niche growth applications in growing markets
 - New product innovation and service
- · Ongoing global expansion
- · Strategic acquisitions, fast accretion

Margin Improvement

- · Lean Sigma-driven operating efficiency improvement
- · New higher value add products
- · Cost reductions

Fixed and Working Capital Utilization

- · Inventory turn improvement
- Lean Sigma-driven factory utilization gains

New Products - Growing Applications in Growing Markets (all >10% annual growth expected) ... examples

			ı
Product	Market	Driver	Division
PVD Magnetic Media	Hard Disk Drive	Increase Storage capacity	WAM
PVD - UMB	Consumer Electronics	Miniaturization	WAM
PVD - Evap Pro	Compound Semi- conductor	Miniaturization	WAM
Chamber Service	PVD Customers	Service demands	WAM
PVD - Visilid	Optics	IR Wavelength	WAM
Alloy 390 Strip	Portable Elec	Miniaturization and	Alloy
ToughMet®	O&G, Aerospace, Heavy Equipment	Reliability	Alloy
Clad Stainless- Aluminum Strip	Hard Disk Drive	Increase storage capacity	TMI

Balance Sheet

100			4.1	
(%	ın	mil	lions)	
10			,	

(\$ in millions)						
	2000	<u>2004</u>	<u>2005</u>	<u>2006</u>	2007	
Balance Sheet Debt	\$128.4*	\$ 72.5	\$57.2	\$48.9	\$35.5	
Debt to Debt Plus Equity	36%	26%	21%	15%	9%	
*2000 Balance Sheet debt includes major equipment lease						
**Note - Excludes precious met and other leases of:	al consignme \$18.9	ent \$30.2	\$55.5	\$72.1	\$80.0	

Segment Sales Review

at a		* * *	• •
*	111	mil	lions
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		005	20		200	
Advanced Material Technologies and Services	<u>\$</u> \$209.5	38%	<u>\$</u> \$343.4	<u>%</u> 45%	<u>\$</u> \$519.9	<u>%</u> 54%
Specialty Engineered Alloys	213.8	39%	275.6	36%	290.0	30%
Beryllium and Beryllium Composites	53.1	10%	57.6	7%	60.5	6%
Engineered Material Systems	50.0	9%	68.7	9%	70.9	7%
Other	14.9	<u>4%</u>	<u>17.8</u>	<u>3%</u>	14.4	<u>3%</u>
TOTAL	\$541.3	100%	\$763.1	100%	\$955.7	100%



Segment Earnings

\$ in millions			
	<u>2005</u>	<u>2006</u>	<u>2007</u>
Advanced Material Technologies and Services	\$20.4	\$30.5	\$59.4
Specialty Engineered Alloys	(5.4)	7.9	7.6
Beryllium and Beryllium Composites	9.8	7.4	7.8
Engineered Material Systems	0.7	2.7	4.7
Other	(6.0)	(4.7)	<u>5.0</u> *
TOTAL	\$19.5	\$43.8	\$84.5

^{*} The Other segment earnings of \$5.0 million in 2007 is primarily due to a gain in Q4 recorded as a result of a legal settlement



Brush Engineered Materials Inc. Organized into Four Separate Reportable Segments

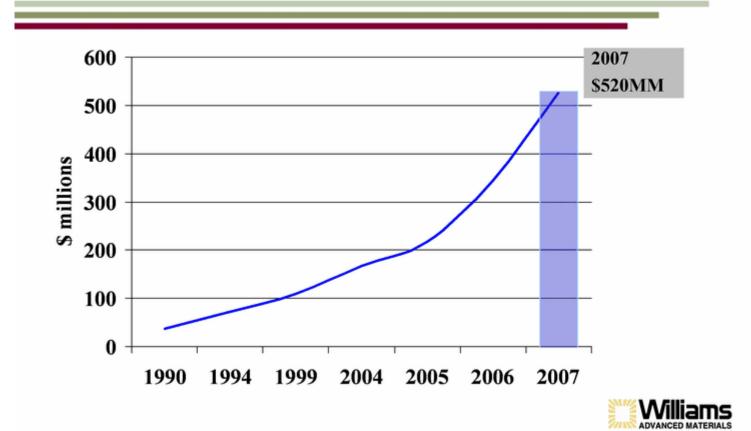
- Advanced Material Technologies and Services
- Specialty Engineered Alloys
- Beryllium and Beryllium Composites
- Engineered Material Systems

What We Do

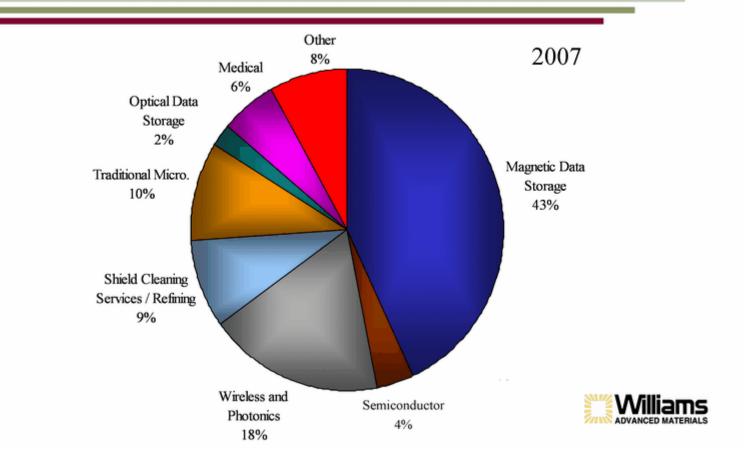
Williams Advanced Materials develops, manufactures and markets materials and services of unique value for the Magnetic and Optical Data Storage, Wireless, Photonics, Semiconductor, Optics, Security, Hybrid Microelectronics, Defense and Performance Coating industries. We also support emerging technologies such as Photovoltaic, Memory, FCCL, Medical and Nanotechnology. Williams' products are primarily based on specialty metal products used in high reliability and performance applications.



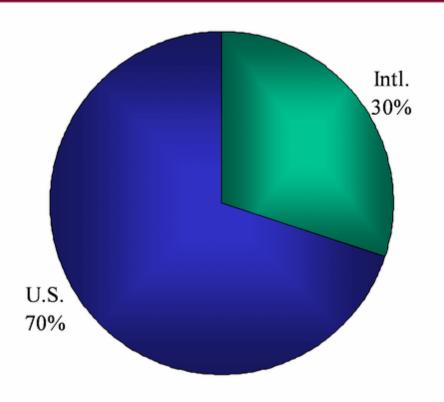
Sales History



Revenue by Market

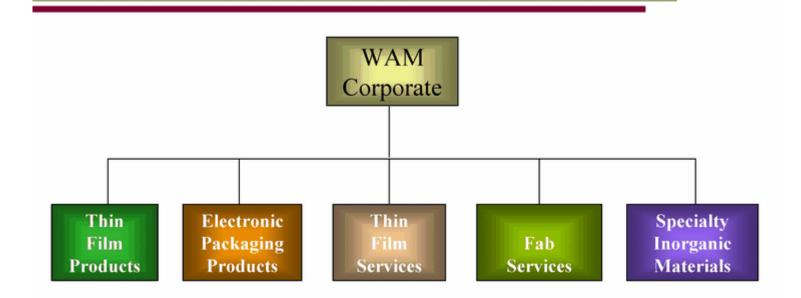


International/Domestic Revenue 2007





2007 Business Structure





WAM Headquarters



Buffalo, NY USA - Manufacturing Facility

 100,000 Sq. Ft. overall, 6,500 Sq. Ft. of cleanroom, state-of-the-art machining/milling/rolling/stamping/ cladding centers, target bonding, hydrostatic wire extrusion, high purity refining/recycling, metals casting, automated plating, full analytical capabilities, product Research & Development.

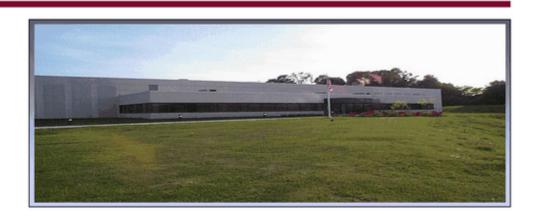


Specialty Alloys Operations



- · Wheatfield, NY USA- Williams Specialty Alloys
 - 30,000 Sq. Ft. with volume vacuum casting, rolling, annealing, powder atomizing and machining. 10 acres for expansion.

Williams Thin Film Products Operations



- Brewster, NY USA
 - 80,000 Sq. Ft. with vacuum melting, hot-pressing, milling, hot & cold rolling, automated machining, grinding, powder metallurgy lab, particle sizing and target bonding capabilities.



Far East Operations



Singapore - WAM Far East Pte. Ltd.

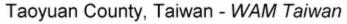
 Target bonding, bonding wire production, Combo-Lids[®] assembly





Subic Bay, Philippines

 Combo-Lids[®], low-cost lids and preform - assembly, inspection and packaging.



Target bonding, evaporation materials & bonding wire.



Suzhou - China



Suzhou, China

- 20,000 Sq ft.
- Target & Evaporation materials manufacturing, Target bonding services, Distribution, Warehousing, Sourcing, MgF manufacturing and packaging
- Located near Shanghai Airport and close to many technology centers located in Eastern China.
- Markets Serve: Semiconductor, Compound Semiconductor, UBM, MEMS, Data Storage, Security and Optics

OMC - Limerick



- Limerick, Ireland OMC Scientific, Ltd.
 - Subsidiary of WAM
 - Provides precision parts cleaning and reconditioning services for film Physical Vapor Deposition (PVD) customers in Europe.
 - Unique technology applied to opportunities in North America and Asia.
 - Efforts focused in the semiconductor, magnetic media and other based markets.

OMC-Czech



- Louny, Czech Republic
 - 20,000 Sq ft.
 - Provides precision parts cleaning and reconditioning services for film Physical Vapor Deposition (PVD) customers in central and eastern Europe
 - State of the art cleaning, stripping and packaging operations
 - Markets Serve: Semiconductor, Compound Semiconductor, UBM, MEMS, Data Storage

Thin Film Technology (TFT)



- Buellton, CA
 - Subsidiary of WAM
 - Thin film coating and substrate patterning.
 - Visi-Lid[™] supply chain management.
 - Capabilities: Electron Beam Evaporation, DC/RF Magnetron Sputtering,
 Photolithography (Substrate Patterning), Dicing, Tooling design,
 In House Machine shop

CERAC





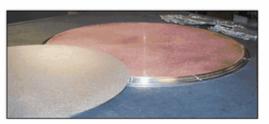
· Milwaukee, WI

- Subsidiary of WAM
- Physical Vapor Deposition (PVD) materials for opthalmic, optic and performance applications.
- Specialty Inorganic Materials
- Unique technologies in chemical and powder processing

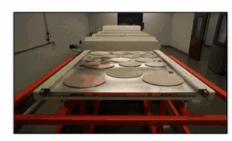


Target Bonding Centers

- Localized debonding/ bonding of PVD targets to backing plates:
 - Buffalo, NY
 - Brewster, NY
 - Santa Clara, CA
 - Limerick, Ireland
 - Singapore
 - Taiwan
 - China









Global Service and Support

Regional Offices (Sales and Applications Engineering support)

Buffalo, NY Tokyo, Japan

Brewster, NY Taoyuan, Taiwan

Dallas, TX Singapore

Tucson, AZ Manila, Philippines Santa Clara, CA London, England Buellton, CA Seoul, Korea

Milwaukee, WI Limerick, Ireland

Suzhou, China Louny, Czech Republic

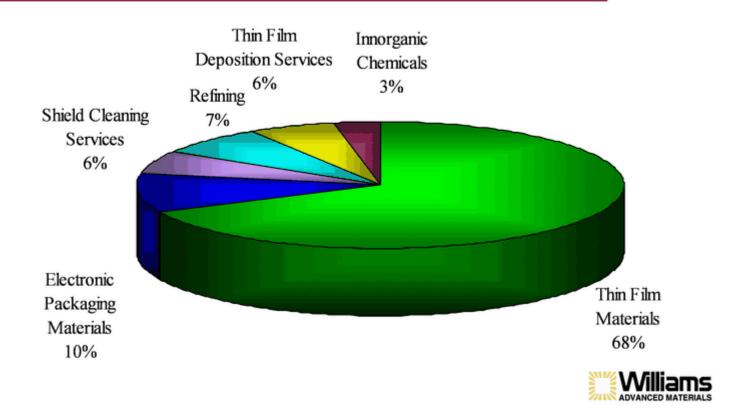
Worldwide Representatives

Italy France Germany

India China Sweden Israel



Product Mix 2007



Thin Film Products

PVD Materials

- Precious Metal Target Materials
- Non-Precious Metal, Cermets, Ceramics
 - · Vacuum Induction Melting
 - · Hot Pressing
 - · Vacuum Hot Pressing
 - · Hot Isostatic Pressing
- EVAPro[™] Grade Evaporation Materials
- Localized Target Bonding

· Chamber Services

- Shield Cleaning and Conditioning
- Arc Spraying Electro-polishing
- PM Refining and Upgrading
- Logistics Support



Brewster

Milwaukee

Wheatfield

Singapore

Taiwan

Santa Clara

Ireland

Suzhou, China

Louny, Czech



End Product Examples Utilizing Thin Film Deposition Materials



Packaging Materials

- FLA/Combo-Lid®
- Seam Seal/MicrolidTM
- · Preforms
- · Clad Materials
- · Braze Materials
- Ni Alloys
- Dental
- Coating, patterning and Visi-LidTM (TFT)
- Packages (Zentrix)





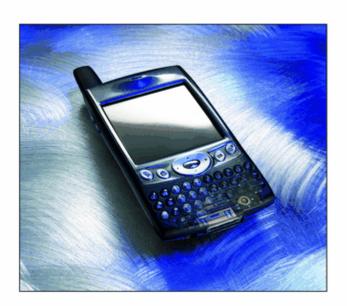
New Product and Technology Development

- Visi-LidTM A transparent lid for New Photonics applications
- Silver Alloys for HD-DVD and Blue Ray Disc manufacturing
- Expanded refining/chamber services supporting the thin film materials business
- FCCL Materials
- Magnetic Media Materials
- Magnetic Head Materials
- Solar Panel Thin Film Materials
- Nanotechnology Materials



Key Markets – Wireless and Photonics

 Thin Film and Packaging materials for varied wireless and photonic applications including RF Power Amplifiers, HBT's, SAW Devices, Light Emitting Diodes (LEDs), Laser Recorders and Micro Electro Mechanical Systems (MEMS)

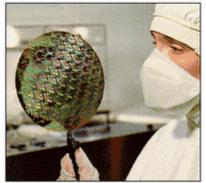




Key Markets – Semiconductor Wafer Fabrication

- Thin film materials and chamber services for silicon wafer and UBM (Under Bump Metallization) technologies.
- Numerous commercial and military microelectronic applications.

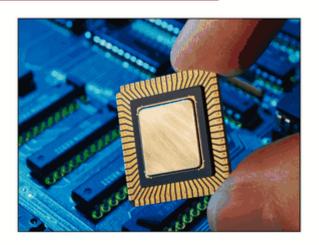






Key Markets – Semiconductor Packaging

- High reliability semiconductor packaging materials.
- Applications focused in space, military and satellite market segments.





Key Markets – Magnetic Head and Media

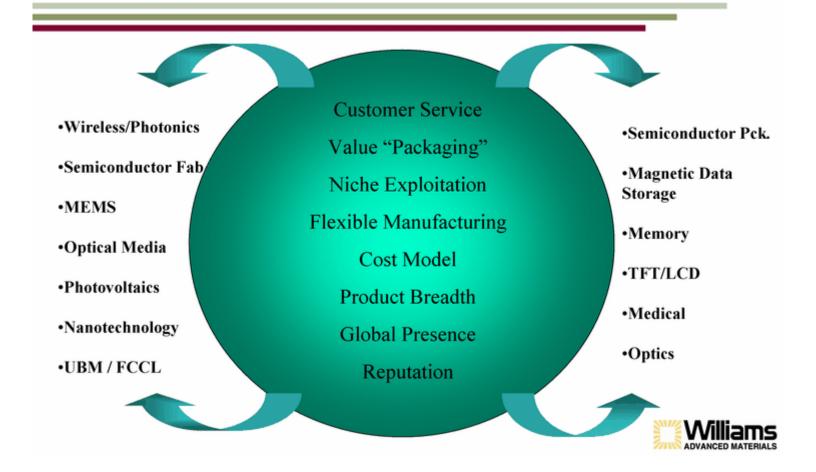
- Thin film materials for both the read/write head and disc platter.
- Chamber Services complement materials offering.
- Applications growing into many commercial and mobile electronic products.







Distinctive Competencies



New Platforms by Market

New Thin Film & Packaging Materials and Designs for:

- Magnetic Media (PMR) and Thin Film Head (TMR/PMR)
- Semiconductor Wafer Fabrication
- Under Bump Metallization (UBM) for Flip Chip
- Flexible Copper Clad Laminate (FCCL)
- Wireless and Photonics
- Photovoltaics (Solar Panels)
- MEMS and Photovoltaic Packaging Materials

Brush Engineered Materials Inc. Organized into Four Separate Reportable Segments

- Advanced Material Technologies and Services
- Specialty Engineered Alloys
- Beryllium and Beryllium Composites
- Engineered Material Systems

Brush Specialty Engineered Alloys & Brush Resources Vision

Provide technical expertise and flexible services to deliver value through innovative, practical engineered material solutions.



Our products and services coupled with our global distribution and logistics network are relied upon by our customers making us their trusted growth partner.





Brush Specialty Engineered Alloys & Brush Resources Mission

Safely and reliably provide the highest quality, innovative products and services, fast and on-time to all customers, when they want them at the lowest possible cost.

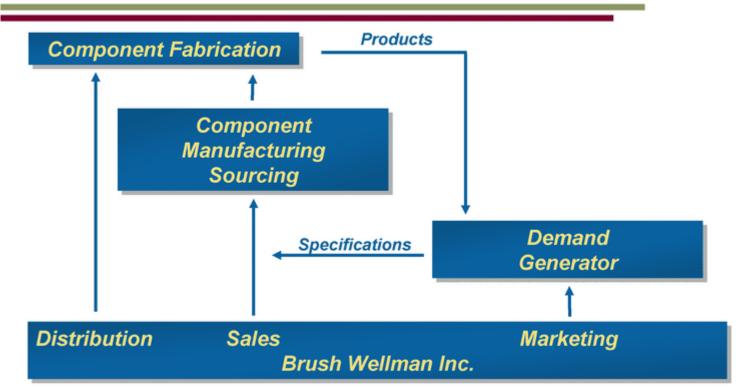


Alloy Products Operations Strategy—Lean Sigma

- Safety practices to provide an injury and illness free workplace
- Lean Manufacturing to reduce cycle times, further increase capacity, and provide industry leading service to our customers
- Six Sigma to provide industry leading product quality and to reduce costs
- Supply Chain Management to provide exactly what is needed, when it's needed, to where it's needed in exactly the right quantity
- Total Productive Maintenance to provide industry leading equipment reliability



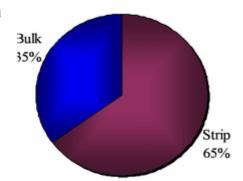
Sales Based on End User Specifications





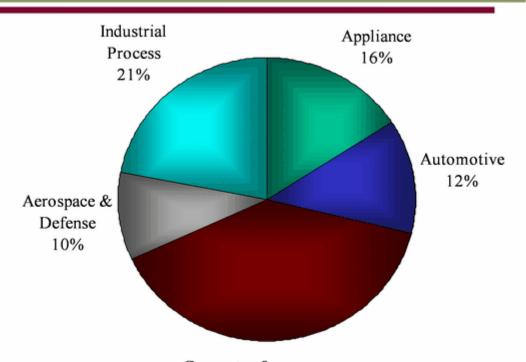
Brush Specialty Engineered Alloys

- The primary business within the Specialty Engineered Alloys Segment, Alloy Products sales in 2007 were \$288 million.
- Manufactures and sells copper and nickel based alloy systems metallurgically tailored to meet customers' specific performance requirements
- Product families:
 - Strip products include thin gauge precision strip and thin diameter rod and wire. These products provide a combination of high strength, formability and electrical conductivity for connectors, contacts, switches, relays and shielding used in mobile communications devices, wireless communications equipment, storage area network systems, data networking equipment, servers, personal computers, appliances, and automotive electronics.
 - Bulk products include rod, bar, tube and plate. These products are known for superior strength, corrosion and wear resistance, thermal conductivity and lubricity. Applications include bearings and bushings for aerospace and heavy equipment, resistant welding components, oil & gas drilling components, plastic mold tooling and telecommunications housing equipment.





Alloy Products Revenue by Market Year 2007



Computer & Telecom 41%

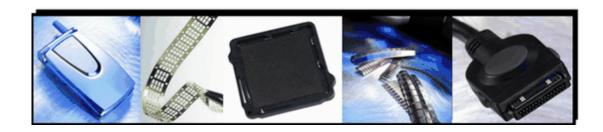


Strip Alloy Applications

(strength, conductivity, spring characteristics)

- Automotive electronics
- Appliance switches
- Pressure Responsive Devices
- Fire Extinguisher Sprinkler Heads
- EMI Shielding

- Current Carrying Springs and Relays
- Integrated Circuit Sockets
- Electrical and Electronic Connectors in Mobile Handsets, PDA's, Base Stations, Storage Area Networks, Servers, and Personal Computers





Strip Products - Strategy

- Maintain focus on major end-use markets
 - Computer
 - Telecommunications (mobile & Infrastructure)
 - Automotive
 - Appliance
 - Military
 - Medical
- Defend leadership in traditional alloy strip, rod & wire
 - Reduce total cost of manufacture to allow penetration of mid-range alloy applications
 - Enhance product properties to provide additional value to customers
- Introduce new alloys to meet needs of targeted market opportunities
- Geographic Growth



Strip Products Strong Value Proposition

Copper-beryllium alloys, while premium priced, provide best-in-class performance

Competitive Alloy Comparison



Brush Value Proposition

- Unique, high-performance materials
- Technical design capabilities
- Outstanding service center network
- Global marketing, sales and distribution

\$ per Pound

Note: Blue denotes Brush Engineered Materials' alloys; beige represents competitive materials.



Bulk Alloy Applications

(strength, corrosion resistance, non-galling, conductivity)

- Aircraft Bushings
- Heavy Equipment Bearing and Wear Applications
- Oilfield well drilling, completion and production equipment
- Plastic Injection & Blow Molds

- Power Generation
- Tooling for Metalworking
- Undersea/Marine Housings for Telecom & Instrumentation
- Welding Electrodes & Dies





Bulk Products - Strategy

- Maintain focus on traditional end-use markets
 - Aerospace
 - Oil & Gas
 - Plastics
 - Power Generation
 - Resistance Welding
 - Undersea
- Introduce new alloys or product forms to meet needs of targeted market opportunities
- Focus on new non-traditional growth markets
 - Bearings, Heavy Equipment & Mining, Marine, advanced Oil & Gas well components, Offshore & Downhole technology, and Pumps
- Geographic Growth
 - Expand commercial operations in Asia Pacific, improve customer awareness and distribution

MoldMAX® Alloys for the Plastics Industry



Brush Wellman engineers use infrared imaging at the customers facility to pinpoint where MoldMAX® will provide the maximum benefit.

Value Proposition

- Provides molders with 20-40% increase in productivity
- Capital avoidance due to increased productivity
- Enables improved quality of molded parts
- ➤ ROI < 3 months

Technical advantages

- Hardness of steel with the thermal conductivity of copper
- Fast machining rates
- High polishability



Lorain Casting Facility Spinodal and EquaCast® Technology-Winning!

High performance copper based engineered materials:

- Strength and hardness is comparable to copper beryllium products
- Thermal conductivity

The value proposition differentiates:

- Corrosion resistance
- Superb tribological properties (low friction, excellent wear resistance) adding value in reliability, uptime, and maintenance savings
- Machinability and design simplicity adding cost benefits to offset increased material costs
- Casting capability including size, shapes, tubes and quality
- No EH&S issues

Developing applications in markets where we are strong:

 Drilling Equipment, Aircraft Parts, Mold Tooling

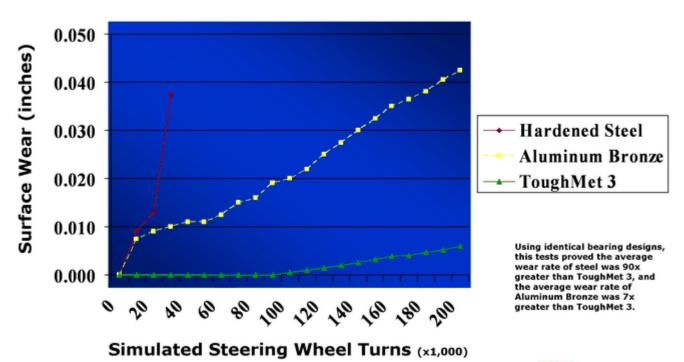
Developing markets/applications where technology is strong:

 Oil Well Completion Equipment, Mining, Heavy Equipment, Drivetrain Components, Hydraulic Systems, Engine Bearings, Semiconductor Fabrication

Lorain Technology: Expanding Brush Wellman's market and application reach

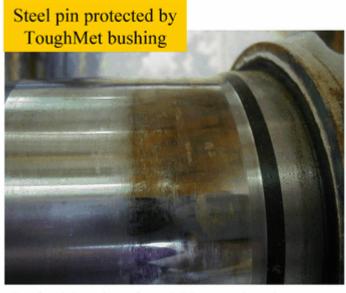


ToughMet® Outlasts Conventional Bearing Materials in 300-ton Mining Truck Steering Test





ToughMet® Bushings Protect Steel Mating Parts. Example: Lubrication failure on bulldozer undercarriage



Left side pin after 500 running hours against ToughMet 3 CX105 bushing.



Right side pin after 500 running hours against hardened steel (HRC 50) bushing.

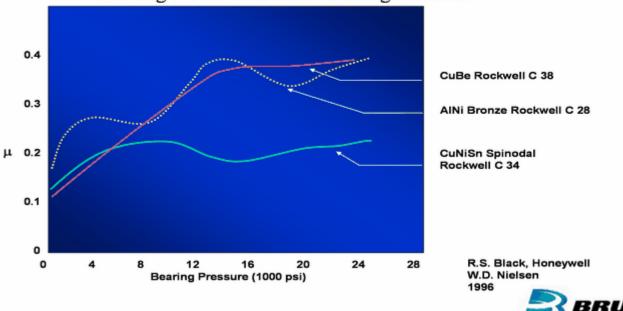
Pin hardness = HRC60.



ToughMet® Industrial Components Results:

ToughMet® Alloy Bushings Provide Superior PowerEfficiency Performance

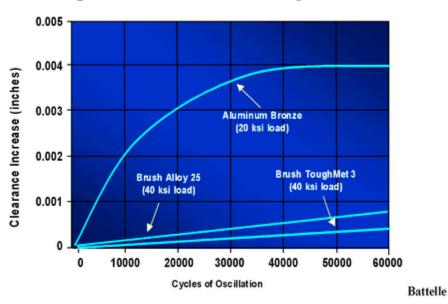
in a Comparison of Dynamic Coefficient of Friction μ vs Bearing Pressure for Three Bearing Materials





Significantly Higher Durability has been Confirmed for ToughMet®

Comparative Sleeve Bearing Wear Tests.

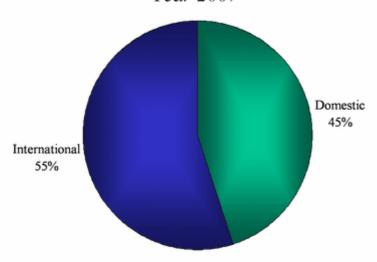




Brush International, Inc.

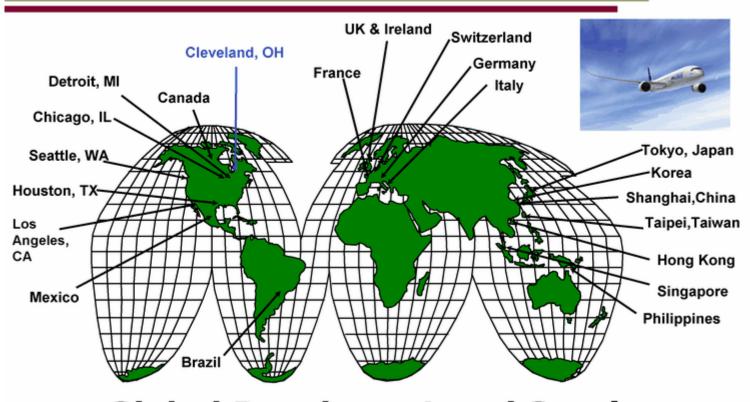
- Brush International Inc. is a wholly owned subsidiary of Brush Engineered Materials
- Service centers in Germany, England, Japan and Singapore
- Representative offices in Korea, China and Taiwan
- Primary focus on the distribution of alloy products while providing local support to other Brush Engineered Materials' subsidiaries operating internationally

Alloy International/Domestic Revenue Year 2007





Global Sales and Distribution Network



Global Reach..... Local Service

Brush Engineered Materials Inc. Organized into Four Separate Reportable Segments

- Advanced Material Technologies and Services
- Specialty Engineered Alloys
- Beryllium and Beryllium Composites
- Engineered Material Systems

Products

Beryllium Metal - One of the lightest metals known

 Family of vacuum hot and hot/cold isostatically pressed powder-derived metals

 $AlBeMet^{TM}$

- Family of lightweight alloy composites

 Extruded, rolled sheet and hot isostatically pressed powder-derived metals



Products - Cont.

E-Materials

- Family of low expansion, lightweight electronic packaging materials
- Composites of beryllium metal and beryllium oxide

Beryllium Oxide/

Chemicals

- Ceramic-grade beryllium oxide powder
- Specialty beryllium-containing chemicals

BRUSHWELLMAN

Facilities

Elmore, Ohio Fremont, California



Key Product Attributes

- ➤ Be/AlBeMetTM
 - –Light Weight (Density)
 - -High Stiffness (Elastic Modulus)
 - -High Thermal Conductance/Capacity
 - Low Thermal Expansion
- > Be
 - -Transparent to X-Rays
 - -Neutron Reflector



Primary Competition...Alternative Materials

Organic Composites (e.g. Carbon epoxy)

Silicon carbide

Metal Matrix Composites (e.g. Al - silicon carbide)

Pyrolytic graphite

Aluminum (high strength grades)



Major Defense/Aerospace Applications for Brush Wellman Beryllium Products

Optics

Optical substrate and support structure for visual and infrared target acquisition systems (fighter aircraft, helicopters, unmanned aerial vehicles, tanks), surveillance systems and astronomical telescopes.

Satellites

Structures and sensors for defense and commercial telecommunications satellites.

Electronics

Electronic packaging for defense avionics, radar and electronic countermeasures systems for helicopters and fighter aircraft. Applications include circuit boards, covers and packages.



Major Commercial Applications for Brush Wellman Beryllium Products

X-ray Windows

Radiographic tube components for * medical diagnostic (x-ray, mammography, CAT-scan), * industrial and * scientific equipment.

Optical Scanners

Mirrors for laser scanners used in reprographic and other high-performance laser applications.

Motion control

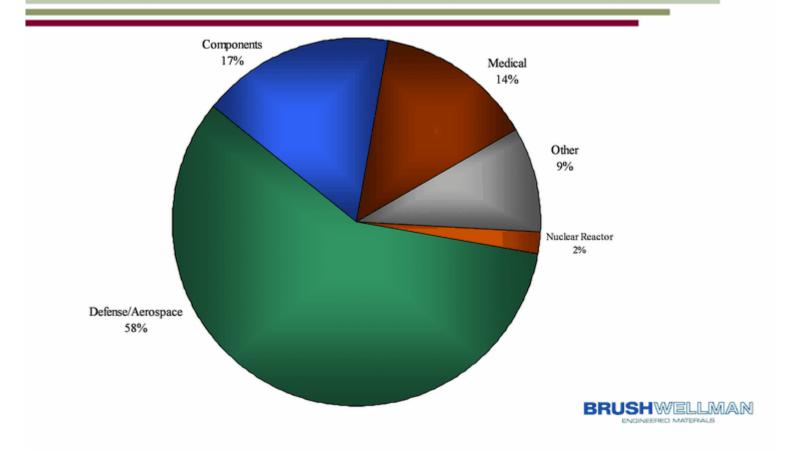
Structural components for high-precision semiconductor processing and industrial robotic equipment

Acoustics

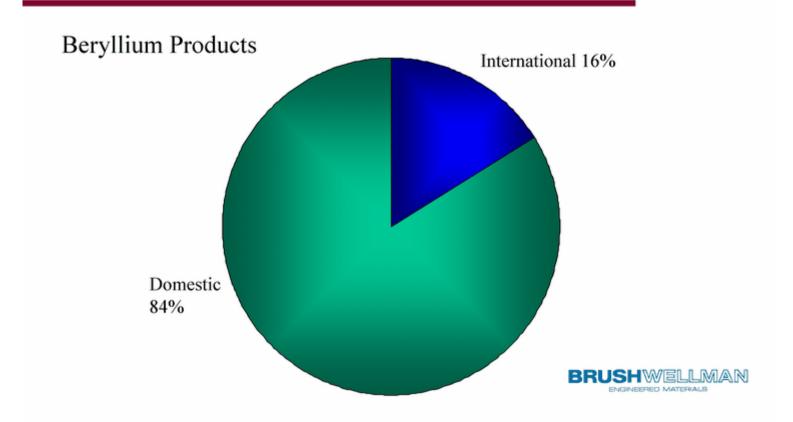
High performance speaker components



Beryllium Products 2007 Revenue by Market



International/Domestic Revenue 2007



Major Applications, New Products and Platforms

Beryllium Products

<u>Product</u> <u>Market</u>

New AlBeMet Products Defense

Fabricated Products Defense

Acoustic Speakers

High grade Be foil Medical x-ray



Beryllium Products Brush Ceramic Products

- Located in Tucson, Arizona
- Products
 - Ceramic substrates used in commercial and military packaging applications
 - Ceramic laser bores for gas lasers used in medical and industrial applications
 - Machined ceramic components used in military, oil and gas, semiconductor and microwave applications



Brush Engineered Materials Inc. Organized into Four Separate Reportable Segments

- Advanced Material Technologies and Services
- Specialty Engineered Alloys
- Beryllium and Beryllium Composites
- Engineered Material Systems

Technical Materials Inc. 2008



"Providing engineered metal strip products to leading technology manufacturers around the world."

Market History



- Founded in 1968, TMI's continuous clad and inlay technology produced high-reliability connector and switch materials for the telecom industry.
- Today TMI's products are used throughout the world by virtually all major technology markets. As a leader in reel-to-reel composite metals engineering, TMI differentiates itself through proprietary process technologies.
- TMI worldwide sales continue to increase and in 2007 additional inroads were made in Europe and Asia.
- In 2007, New Product Sales accounted for approximately 31% of TMI's sales volume.

TMI Process Technologies

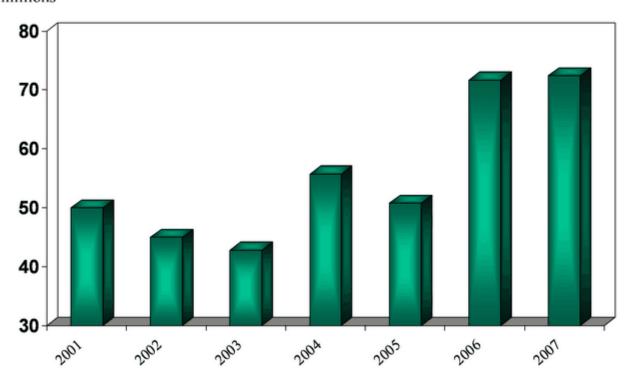


- Cladding
 - Inlay
 - Micro Laminates
- Electroplating
 - Gold, Silver, Base Metals
 - Selective and Overall Coatings
- Profiling
 - Milling
 - Skiving
- Continuous Electron Beam Welding
- Lead-Free Solder Coatings



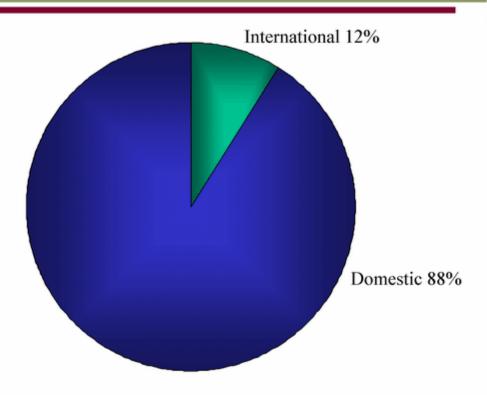
TMI Sales Growth

\$ in millions



International/Domestic Revenue 2007





Our Vision



 To be a leader in creating innovative engineered material solutions and services that make our customers competitive in global markets.

Technology Leader



Quality

- ISO 9001-2000, Certified by Bureau Veritas
- ISO 14001, Certified by TÜV
- Unique Tolerance Capabilities
- Extensive Digital and Vision-Controlled Processing

Engineering

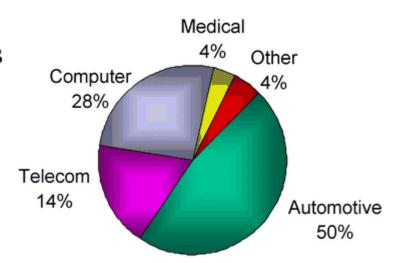
- Metallurgical Design
- Technical Customer Support



Our Major Markets

2007

- > Automotive
- > Consumer Electronics
- > Computer
- > Semiconductor
- > Energy
- > Medical





Strategic Growth Markets

- Computer Hard Drives
- Medical Devices
- Energy Systems

Application: Computer

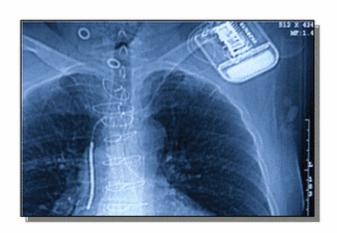




- •Hard Drive Suspension Materials
 - Stainless/AluminumComposites
 - High Stiffness-to-Weight Performance
 - Supports Higher Data
 Density Media

Application: Medical



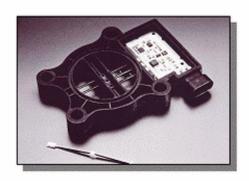


Implant Materials

- Electron Beam
 Welded and Clad
 Interconnects
- Niobium, Tantalum,
 Titanium, and
 Stainless Steel
 Systems

Application: Automotive





- High-Reliability
 Connector and
 Leadframe Materials
 - Safety Devices
 - Engine Performance
 Sensors
 - Hybrid Components

Application: Consumer Electronics



- Leadframes for Digital Camera
 Sensors
- Cell Phone Passive Components



Application: Energy



- High-Performance
 Battery Materials
- Solar Cell
 Interconnects
- High-Temperature
 Fuel Cell Clad
 Materials

2008 Growth Strategy



- Continued Expansion of Electroplating through Process Technology Advantages
- Focus on Clad and Electron Beam Weld Product Development in High-Growth Niche Markets
- Continue to Expand TMI's Presence in Europe and the Far East
- Continued emphasis on New Product and Market Development

Beryllium Health and Safety

Brush has continued to make progress on issues related to beryllium health and safety

- Improved worker protection programs in place
- Rates of sensitization down among new workers
- Strong focus on regulations related to beryllium exposure

Litigation

	Total Cases Pending	Total Plaintiffs (including spouses)
12/31/06	13	54
03/30/07	12	52
06/29/07	10	32
09/28/07	10	32
12/31/07	9	31

Litigation

- In Year 2007, two cases, involving four plaintiffs, were dismissed by the plaintiffs. In one purported class action, three plaintiffs were dismissed, and the court remanded the case to the trial court for proceedings on five individual plaintiffs. In one purported class action, involving 15 named plaintiffs, judgment was entered in the Company's favor, and the case is closed. One case, involving one plaintiff, was settled and dismissed. No new cases were filed during the year.
 - Our caseload and number of plaintiffs will vary from quarter to quarter depending on new cases, additional plaintiffs, settlements, dismissals, amendments to complaints, etc.
- The Company believes it has substantial defenses in pending cases.