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) October 31, 2005

Brush Engineered Materials Inc.

(Exact name of registrant as specified in its charter)

	Ohio	001-15885	34-1919973	
(Sta	te or other jurisdiction	(Commission	(IRS Employer	
	of incorporation)	File Number)	Identification No.)	
	17876 St. Clair Avenue, Cleveland,	Ohio	44110	
	(Address of principal executive off	ices)	(Zip Code)	
Registrant's	telephone number, including area co	de	216-486-4200	
		Not Applicable		
	(Former	name or former address, if changed since la	ast report.)	
	opropriate box below if the Form 8-K g provisions (see General Instruction		the filing obligation of the registrant under any of	
□ Wı	ritten communications pursuant to Ru	le 425 under the Securities Act (17 CFR 23	30.425)	
□ So	liciting material pursuant to Rule 14a	-12 under the Exchange Act (17 CFR 240.1	14a-12)	
□ Pre	e-commencement communications pu	ursuant to Rule 14d-2(b) under the Exchang	ee Act (17 CFR 240.14d-2(b))	
□ Pre	e-commencement communications pu	ursuant to Rule 13e-4(c) under the Exchange	e Act (17 CFR 240.13e-4(c))	

Item 7.01 Regulation FD Disclosure

On October 31, 2005, Brush Engineered Materials Inc., an Ohio corporation (the "Company"), updated its website with a slide presentation that will be presented by Richard Hipple, President and Chief Operating Officer and John Grampa, Vice President Finance and Chief Financial Officer, to investors on November 2 and 3, 2005. A copy of the presentation is attached hereto as Exhibit 99.1.

Item 9.01 Financial Statements and Exhibits

Exhibits:	
Exhibit Number	Description of Exhibit
99.1	November 2005 materials provided to investors

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.

By: Michael C. Hasychak October 31, 2005

Michael C. Hasychak

Vice President, Treasurer and Secretary



Investor Presentation November 2-3, 2005

Forward-Looking Statements

These slides contain (and the accompanying oral discussion will 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.



Management Team

Gordon D. Harnett – Chairman and CEO
Chairman and CEO since 1991

Richard J. Hipple – President and COO
President and COO since 2005

John D. Grampa – Vice President and CFO
Vice President and CFO since 1999

Daniel A. Skoch – Senior Vice President, Administration
Senior Vice President since July 2000



Overview

Company: Brush Engineered Materials Inc.

founded 1931, publicly traded since 1956

NYSE Ticker: BW

Shares Outstanding: Approximately 19.3 million at 9/30/05

Market Cap: Approximately \$305 million at 9/30/05

Component of: S&P Super Composite 1500

Russell 2000

S&P Small Cap 600

Annual Revenue: Approximately \$500 million @ 12/31/04

Diluted EPS: \$.86 in 2004

• Debt to Total 21% at 9/30/05 Capitalization:



Investment Highlights

- 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
- Strong Value Proposition in Served Markets
- Strategic Customer Relationships
- Significant Technical Capabilities
- Positive Long-Term Market Trends
- Strong Growth in New Products
- High Barriers to Entry
- Capacity to Support Profitable Market Growth
- · Strong Balance Sheet

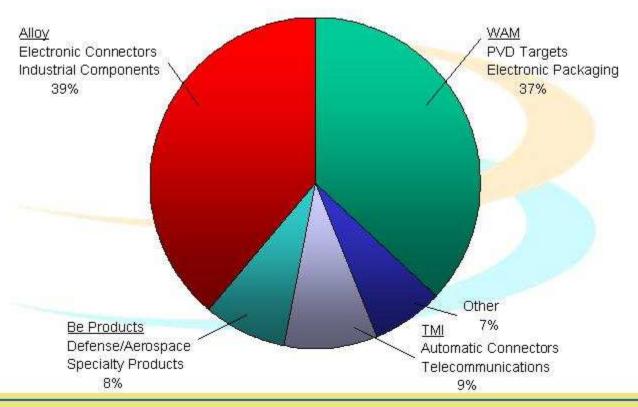


Corporate Overview

- Leading global provider of high performance engineered materials
- Our engineered materials enable our customers' high performance products to be made <u>stronger</u>, <u>smaller</u> and <u>lighter</u> with <u>significantly</u> enhanced overall thermal, electrical and <u>mechanical properties</u>
- Product applications include a variety of end-use markets
 - Telecommunications & computer Industrial components
 - Automotive electronics
 Aerospace & defense
 - Magnetic & optical data storage
 Appliance



Brush Engineered Materials – Major Business Units





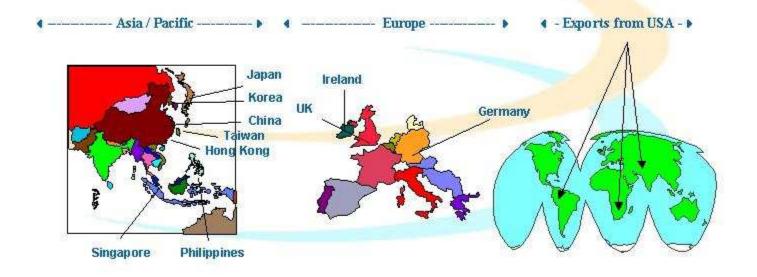
Corporate Overview

- Beryllium is a key raw material in many of our products. It is stiffer than steel, lighter than aluminum and possesses other unique mechanical and thermal properties
- Precious metals and other metals are also an important part of our product mix
- Operate manufacturing, service and distribution facilities throughout the world



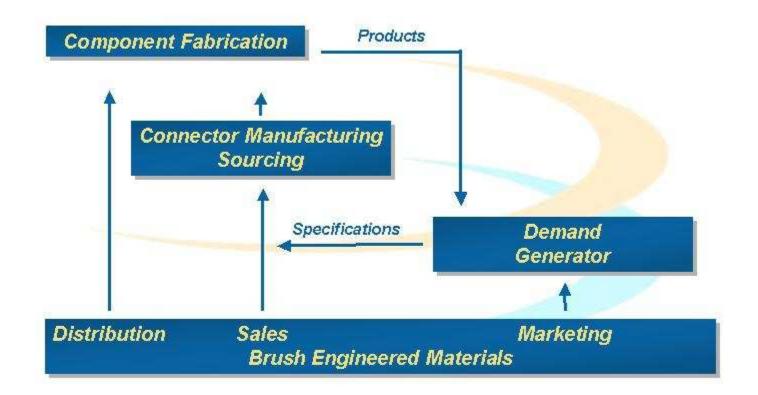
Global Sales and Distribution Network

- Operations in the U.S. and ten foreign locations
- · Recent expansion to Taiwan, China and Korea
- International sales are 33% and growing





Sales Based on End User Specifications

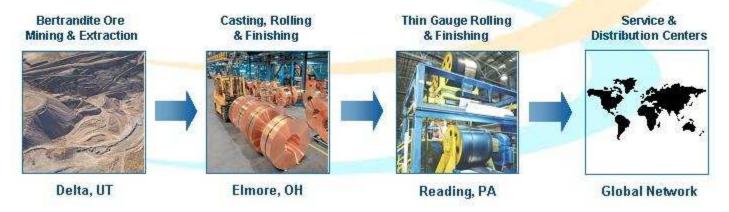




Fully Integrated Beryllium Producer

- · 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





Strong Value Proposition in Served Markets

Copper-beryllium alloys, while premium priced, provide best-inclass performance



Brush Value Proposition

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

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



Broad Metallurgical and Significant Technical Capabilities

Williams Advanced Materials also has broad capabilities in precious and non-precious metal fabrication

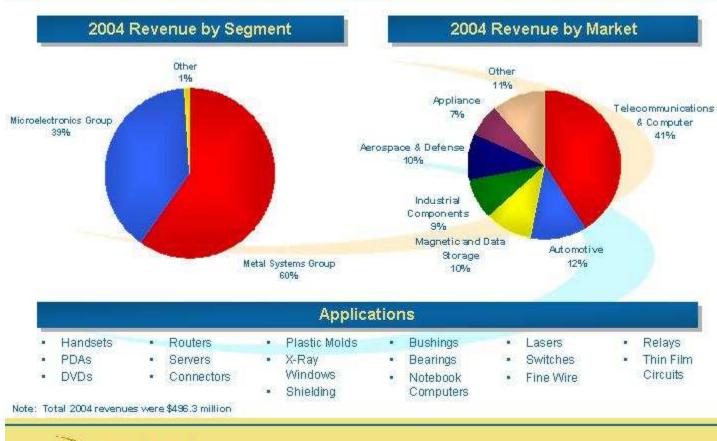
- · Comprehensive product line
 - High purity / proprietary PVD targets
 - Micro-electronic packaging materials
- Refining services
- Bonding centers

- Strong end use markets
 - Data storage
 - Optical media

- Wireless / handsets
- Semiconductor
- Industry leading service and support
 - Global sales and applications support
 - "Best-in-class" response times
 - Low-cost operations in Singapore, Taiwan and the Philippines



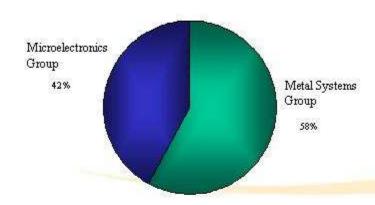
Global Leader in High Performance Engineered Materials



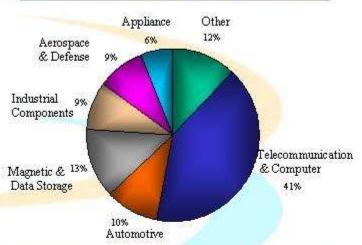
BRUSH ENGINEERED MATERIALS

Global Leader in High Performance Engineered Materials

Q3 2005 YTD Revenue by Segment



Q3 2005 YTD Revenue by Market



Applications

- Handsets **PDAs**

Note: Total YTD 2005 revenues were \$400.6 million

- DVDs
- - Hard Drives
- Routers Servers
- Connectors Semiconductors *
- Plastic Molds
- X-Ray Windows
 - Shielding
- Bushings
- Bearings
- Notebook Computers
- Lasers
- Switches
- Fine Wire
- Relays
- Thin Film Circuits



Metal Systems Group (YTD Q3 2005 Sales: \$232 million)

Alloy Products

\$155.1 million; 39 %

- 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 industrial 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

Technical Materials, Inc. (TMI)

\$37.1 million; 9%

- 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













Metal Systems Group (YTD Q3 2005 Sales: \$232 million)

Beryllium Products

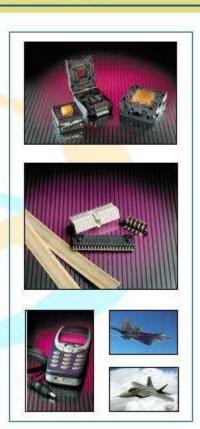
\$33.8 million; 8%

 Pure beryllium and aluminum-beryllium composites for high-performance applications, principally for aerospace and defense applications where stiffness, strength, lightweight, dimensional stability and reflectivity are critical

Brush Resources

\$5.7 million; 2%

 Brush Resources sells beryllium hydroxide produced through its Utah operations to outside customers and to businesses within the Metal Systems Group.





Microelectronics Group (YTD Q3 2005 Sales: \$169 million)

Williams Advanced Materials (WAM)

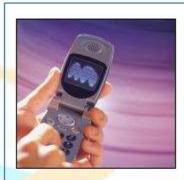
\$149.6 million; 37%

- 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, high-temperature braze materials and ultrafine wire
- Industries served include optical media, semi-conductor, data storage, performance film and wireless

Electronic Products

\$19.3 million: 5%

- Products include beryllia ceramic materials, electronic packaging and thick-film circuitry
- Products designed to meet exacting performance requirements of target customers
- Industries served include wireless telecommunications, medical laser, aerospace, defense and automotive











Positive Global 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 LCD, data storage and semiconductor markets
- Spending and conditions in the telecommunications and computer market are improving
- Conditions are improving in the oil and gas, undersea and heavy equipment markets

Brush generated YOY sales growth in eleven consecutive quarters



Capacity to Support Profitable Market Growth

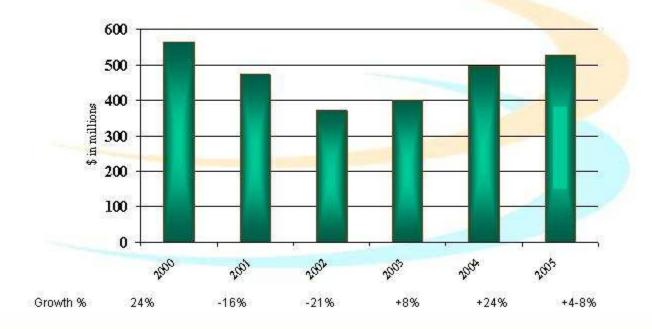
Well-positioned to support rapid sales growth without significant incremental cash investment

- \$160 million invested between 1996 and 2001
- Operating with significant available excess capacity
- Significant productivity gains in recent years
- Capital spending in 2002, 2003 and 2004 averaged \$7 million per year, depreciation in 2004 was approximately \$24 million. 2005 depreciation through Q-3 is \$16 million and capital spending is \$9 million



Annual Revenue: Historical

In 2001, the telecommunications and computer market declined; In 2003, our revenue growth began to return to historical rates





Annual Operating Profit (Loss) Compared to Revenue: Historical

While this revenue decline resulted in operating losses, on-going performance improvement initiatives added to profitability as revenue returned to historical levels





Financial and Operational Initiatives

Our on-going performance improvement initiatives are focused on five key areas

- Expanding and diversifying the revenue base to lower volatility
 - New products
- New markets
- New applications
- New geographies
- Improving margins through increased operating efficiency
 - Six Sigma and Lean Manufacturing
- Reducing overhead costs
- Reducing debt
- Positioning for global market growth and economic recovery
 - Improve quality, cost, speed and service



Expand and Diversify Revenue Base

BEM has aggressively worked to broaden its base with initiatives targeted at new products, new end use markets and new high-growth regions

New Products

- Alloy 390 Telecom & Auto
- PM Plated Strip Telecom & Auto
- Toughmet Bushings & Bearings
- MoldMax XL Plastic Molds
- Welded Tube Oil & Gas
- Silver DVD Alloy (Silx) -DVD
- Visi-Lid Telecom & Military

New End Use Markets

- Alloy
 - Heavy Equipment
 - Oil & Gas
 Components
 - Plastic Tooling
- WAM
 - Semiconductors
 - Data Storage
 - Magnetic Media
 - TFT/LCD

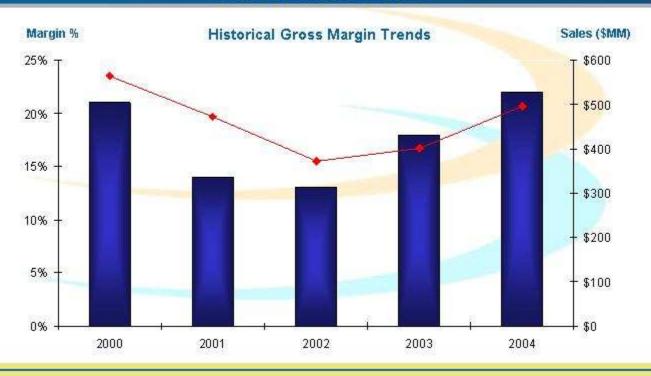
New High-Growth Regions

- Singapore
- Taiwan
- Hong Kong
- Korea
- China



Improve Margins

Margins have improved through cost reduction and productivity improvement initiatives





Increase Operating Efficiency

Lean Manufacturing and Six Sigma initiatives enabled Brush's Alloy
Products business to improve operational efficiency
and reduce costs in 2003 and 2004

- Improved distribution inventory turns 29%
- Improved manufacturing inventory turns 16%
- Raised yields 7%
- Shipped 13% more pounds per manufacturing employee
- Reduce mill distribution operating cost by 3%
- Reduce strip rework by 28%
- Reduced unplanned equipment downtime 45%
- Improved safety performance by 40%



Reduce Debt Obligations

Total debt obligations have fallen over 50% from 2000 levels

(\$ in millions)	2000	2004	3Q05
Balance Sheet Debt and AEP Lease	\$128.4	\$72.5	\$58.3
Off-Balance Sheet Leases	\$17.9	<u>\$13.1</u>	<u>\$12.1</u>
Total	\$146.3	\$85.6	\$70.4
Debt to Debt plus Equity	36%	26%	21%



Beryllium Health and Safety

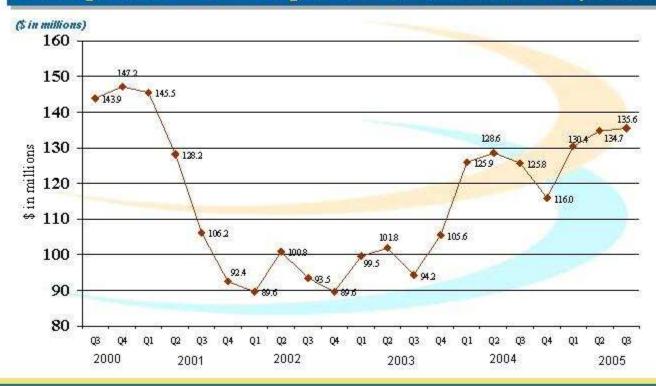
Brush has continued to make progress on issues related to beryllium health and safety

- Improved worker protection programs in place
- Rates of sensitization down among new workers
- CBD litigation claims have declined to 15 cases
- Strong focus on regulations related to beryllium exposure



Quarterly Revenue: Historical

Brush generated YOY sales growth in eleven consecutive quarters





YTD Q-3 2005

- · Eleven consecutive quarters of year over year sales growth
- Sales up 5% to \$401 million
- Good, but not up to our expectations
- Weaker shipments to computer and telecom, automotive and defense limited our growth
 - Down approximately 11% vs prior year
 - Hurt margins by 2 pts
- Stronger conditions in other markets led to 5% growth
 - Webb telescope
 - Magnetic media, semiconductor and industrial components
 - Solid new products progress
- Tangible progress continues in other areas
 - Cash from working capital
 - SG&A % down 1 pt
 - Productivity gains
- Balance sheet continued to strengthen
 - Debt down an additional \$14 million
 - Debt to debt plus equity dropped to 21%
 - Capacity to pay down debt further at year end



Q-3 2005 Results and Outlook

YTD ... hurt by weaker computer & telecom, automotive and defense markets. Also hurt by material cost increases. Helped by new product initiatives

Fourth Quarter Outlook ... while automotive and defense remain uncertain, our other markets are gaining momentum

- Consumer electronics is strengthening
- Telecom infrastructure seems to be recovering from an inventory correction
- Magnetic media is healthy and growing
- Industrial components continues to strengthen



Strategic Highlights

- Markets served offer strong, global organic growth
- · Global market expansion adds to opportunities
- New products and new levels of service for new and existing markets adds to growth
- · Niche oriented product offerings bring higher margins
- Augmenting product offerings via bolt on acquisitions provides additional growth and leverage
- High margins, significant capacity yield earnings leverage and strong cash flow
- Focus on operational excellence reduces cost, speeds delivery and raises fixed and working capital turns
- Strong balance sheet provides liquidity to support growth

