Table of Contents		

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) February 8, 2008

Brush Engineered Materials Inc.

9	Exact name of registrant as specified in its ch	arter)	
Ohio	001-15885	34-1919973	
State or other jurisdiction of incorporation)	(Commission File Number)	(IRS Employer Identification No.)	
17876 St. Clair Avenue, Clevelar	nd, Ohio	44110	
(Address of principal executive offices)		(Zip Code)	
Registrant's telephone number, including area	code	216-486-4200	
	Not Applicable		
(Form	ner name or former address, if changed since la	ast report.)	
Check the appropriate box below if the Form 8 he following provisions (see General Instructi		the filing obligation of the registrant under any of	
☐ Written communications pursuant to Rul	e 425 under the Securities Act (17 CFR 230.4	25)	
☐ Soliciting material pursuant to Rule 14a-	12 under the Exchange Act (17 CFR 240.14a-	12)	
☐ Pre-commencement communications pur	rsuant to Rule 14d-2(b) under the Exchange A	ct (17 CFR 240.14d-2(b))	
Pre-commencement communications pur	rsuant to Rule 13e-4(c) under the Exchange Ad	ct (17 CFR 240.13e-4(c))	

TABLE OF CONTENTS

Item 7.01 Regulation FD Disclosure Item 9.01 Financial Statements and Exhibits SIGNATURES EX-99.1

Table of Contents

Item 7.01 Regulation FD Disclosure

On February 8, 2008, Brush Engineered Materials Inc., an Ohio corporation (the "Company"), updated its website with a slide presentation that will be presented by Richard Hipple, Chairman, President and Chief Executive Officer to investors on February 11, 2008. A copy of the presentation is attached hereto as Exhibit 99.1.

Item 9.01 Financial Statements and Exhibits

Exhibits:

Exhibit NumberDescription of Exhibit99.1February 2008 Presentation

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.

February 8, 2007 By: Michael C. Hasychak

Michael C. Hasychak

Vice President, Treasurer and Secretary



- ... a leader in creating innovative engineered material solutions and services to make our customers competitive on a global basis
- ... while enhancing earnings growth, shareholder value, and stability ... by broadening technology, market, and geographic reach

Investor Presentation February 2008

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.

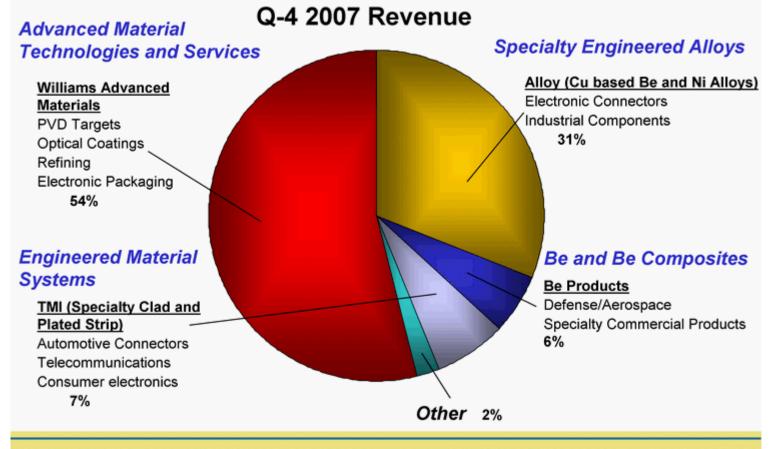


Brush Engineered Materials Inc. Profile

- 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 – Major Business Units





,

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: \$951 million @ 12/31/07

Diluted EPS: \$2.59 for 2007 which includes a litigation

settlement, lower of cost or market charges, loss on sale of a small business and a 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 \$28.4 million or 14% compared to fourth guarter 2006
- The ninth consecutive quarter of double digit sales growth
- Metal prices accounted for approximately 7% of the sales increase and organic growth was 7%
- International sales 46% 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 includes 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



2007 Recap

- Record sales of \$951 million, up 25% over 2006
- Earnings per share of \$2.59 compares to prior year's \$2.45
- Earnings per share of \$1.79* compares to prior year's \$1.38 excluding items that should not repeat
- Sales growth, adjusting for metal price increased 20%
- A new annual sales high, even after adjusting for metal price inflation
- Twentieth consecutive quarter of sales growth
- Operating profit was 6.4% of sales (excluding the benefit of non-recurring charges and metal price inflation) compared to 5.7% in 2006
- * \$1.79 excludes a litigation settlement, lower of cost or market charges, the loss on the sale of a small business and the gain on the sale of low cost ruthenium purchased in 2006



2008 Outlook

- Sales growth rate in 2008 in double digits
- Continued strength expected in data storage, particularly magnetic media, oil and gas, heavy equipment, and aerospace
- With the potential for EPS to be as much as 30% greater than the 2007 operating run rate of \$1.79 per share* (\$1.80 to \$2.30)
- * \$1.79 excludes a litigation settlement, lower of cost or market charges, the loss on the sale of a small business and the gain on the sale of low cost ruthenium purchased in 2006



Strong conditions in key markets driving solid sales and earnings growth

- Strong sales growth driven by
 - Broad based demand increase and new products
 - Added sales from acquisitions
 - Higher metal prices
- Consumer electronics a primary factor
 - Portable devices, such as cell phones
 - Hard disk drives/data storage
 - Gaming devices
- Industrial products growth another important factor
 - Oil and gas
 - Heavy equipment
 - Aerospace



Advancing the World's Technologies

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

- Strength - Reliability

- Electrical conductivity - Miniaturization

- Weight reduction - Corrosion resistance

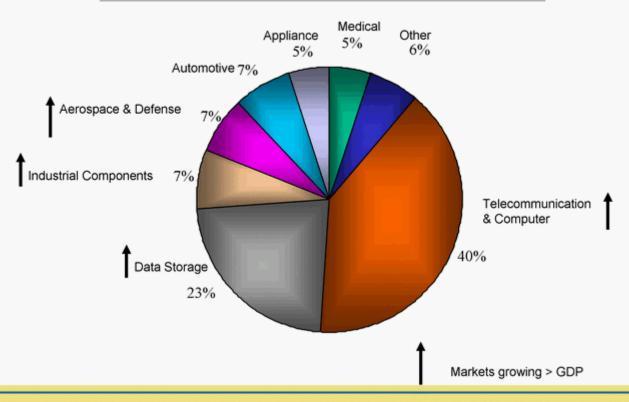
- Reflectivity - Thermal conductivity

Targeting profitable growth applications in growing markets



Global Leader in High Performance Engineered Materials

YTD Q4 2007 Revenue by Market





Typical End Uses



Notebook computers and network servers

Cellular phones, i-Pods and other wireless communication devices



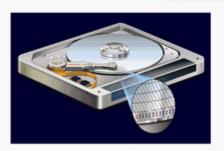
Defense



Electronic components in cars and trucks



Commercial Aerospace

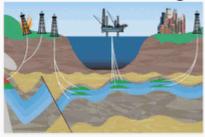


Medical Devices

Data Storage



Industrial products for Oil & Gas and Mining





Applications - Cell Phones





Applications – Hard Disk Drives

WAM

- Thin film materials for both the read/write head and disc platter.
- Chamber Services complement materials offering.



TMI
Disk drive arm
clad material
(Al/ss)



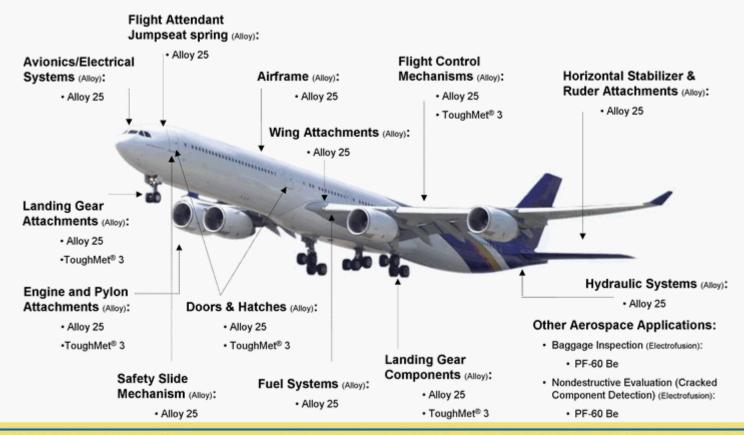
Applications growing into many commercial and mobile electronic products.



Recording Layer	CoCrPt + Oxide
Orient Interlayer	Ru
Soft Underlayer	Cobalt Based Alloys
AFC Layer	Ru
Soft Underlayer	Cobalt Based Alloys
Substrat	te (Glass or Aluminum)



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



Directional Drilling Equipment (Alloy):

- Brush Alloy 25
- ToughMet® 3

Other Oil & Gas Applications:

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



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/Techni-Met):

- 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 Bean Weld

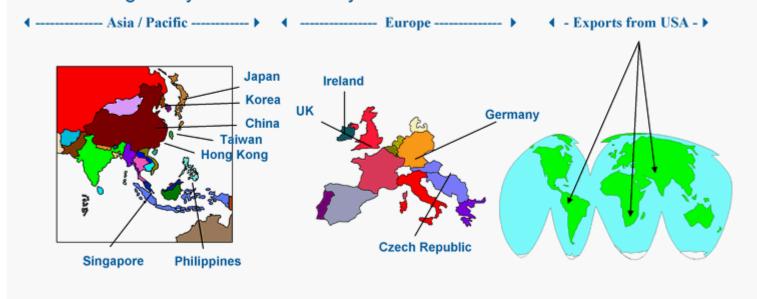
Other Medical Applications:

- · 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



Global Sales and Distribution Network

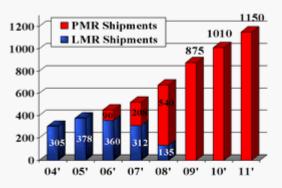
- Operations in the U.S. and eleven foreign countries
- Q-4 2007 International sales were 46% and growing at a faster rate than domestic sales
- · Act globally ... service locally!





BEM – Targeting Growth Applications in Growing Markets

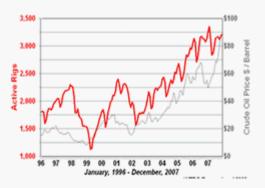
Disk Drive Head Demand



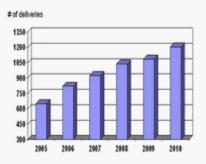
Mobile Telecommunications



O&G - Rotary Rig Count

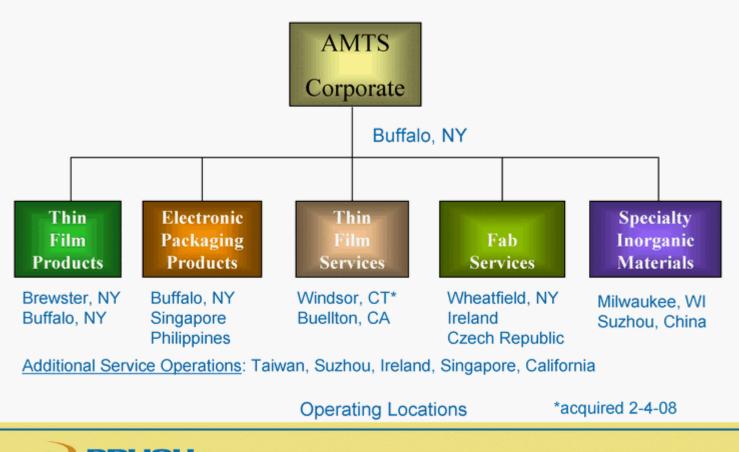


Build Schedule for Boeing/Airbus





Advanced Material Technologies and Services Business Structure Today and Evolving





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

- · Comprehensive product line
 - High purity / proprietary PVD targets
 - Micro-electronic packaging materials
 - Specialty inorganic chemicals
- Strong end use markets
 - Data storage
 - Wireless/handsets
 - semiconductor
 - Optical media
 - Optics
- Industry leading service and support
 - Global sales and applications support
 - "Best-in-class" response times
 - Growing business in chamber services
 - Low-cost operations in Singapore, Taiwan and the Philippines
 - New offices in Korea, Japan, Shanghai, Czech Republic



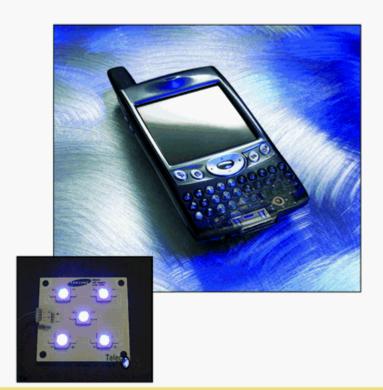






Key Markets - Wireless and Photonics

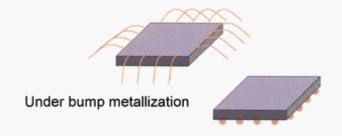
 Thin Film and Packaging materials for varied wireless and photonic applications including RF Power Amplifiers, HBT's, SAW Devices, Light Emitting Diodes (LEDs), Laser Recorders and Micro Electro Mechanical Systems (MEMS)



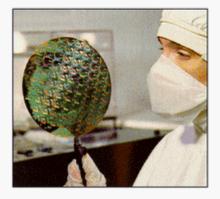


Key Markets - Semiconductor Wafer Fabrication

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



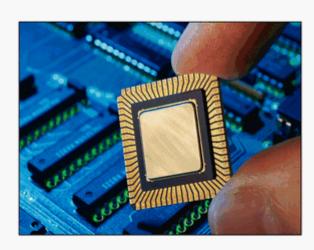






Key Markets - Semiconductor Packaging

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





Solder preforms and clad materials



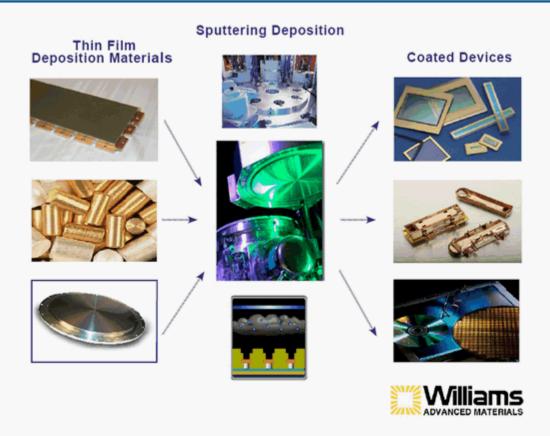


New Product and Technology Development

- Magnetic Media and Head Materials
- Under Bump Metallization (UBM) for Flip Chip
- FCCL Materials
- Wireless and Photonics
- Visi-Lid™ A transparent lid for New Photonics applications
- Expanded refining/chamber services supporting the thin film materials business
- Silver Alloys for HD-DVD and Blue Ray Disc manufacturing
- Solar Panel Thin Film Materials
- MEMS and Photovoltaic Packaging Materials
- Nanotechnology Materials



Physical Vapor Deposition (PVD) Process





World's only Fully Integrated Beryllium Producer



Also, new High Be Pebbles Plant underway with DOD Title III funding

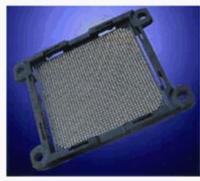


Strip Alloy Applications

(strength, conductivity, spring characteristics ... typically 1% to 2% Beryllium)

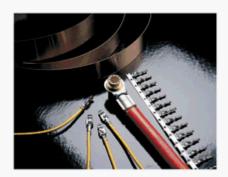
Reliability and Miniaturization

- Current Carrying Springs and Relays
- Integrated Circuitry Sockets
- Electrical and Electronic Connectors
- Air Bag Sensors
- Pressure Responsive Devices
- Fire Extinguisher Sprinkler Heads











Bulk Alloy Applications

(strength, corrosion resistance, non-galling, conductivity ... typically 1% to 2% Beryllium)

- Aircraft Bushings
- Heavy Equipment Bearing and Wear Applications
- Oilfield well drilling, completion and production equipment
- Plastic Injection & Blow Molds
- Power Generation
- Undersea/Marine Housings for Telecom & Instrumentation
- Welding Electrodes & Dies











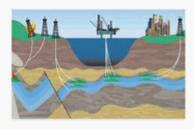


Toughmet® - a new unique solution for the most challenging wear and load conditions

- Oil & Gas...deeper drilling...tougher conditions
 - Rotary steering drills
 - Sour well drilling and completion tools
 - Sub-sea control valves
 - Blow-out preventions
- Heavy equipment ... larger equipment ... critical uptime
 - Heavily loaded bushings in mining and construction
 - On highway drive trains
 - Heavy pumps
 - On highway opportunities
- Aero ... larger planes ... tougher conditions
 - Landing gear, wheels, and brakes
 - Airframe attachments
 - Fluid power systems
 - Boeing 777, 787; Airbus 380, 350
 - Military

Replacing bronze, stainless, and nickel alloys ... strength, lubricity, and wear resistance









Beryllium Products – Applications

(lightweight, strength, dimensional, stability...typically 40% to 100% Beryllium)

- Optical mirrors for NASA space-based telescopes
- Infrared sensors for fighter jet optical targeting, radar and navigation/guidance systems and special ops (FLIR)
- -Structural and electronic components for satellites
- -X-ray windows in medical, security and commercial imaging systems
- -Diaphragms for commercial and concert quality speaker systems











Technical Materials, Inc. – solving customers' problems with engineered strip metals

Mill Products

- Specialty cladding and inlay
- · Electron beam welding of dissimilar materials
- · Profiling shapes by milling and/or grinding
- Close tolerance rolling

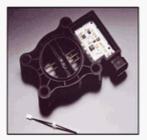
Electroplating

- · Precious and non-precious metals
- Overall and selective stripe capabilities
- Combination with current TMI technologies



Disk Drive Arms

Automotive Control Components





Specialty Electronic Connectors

Automotive, Telecom/Computer, Medical, Energy



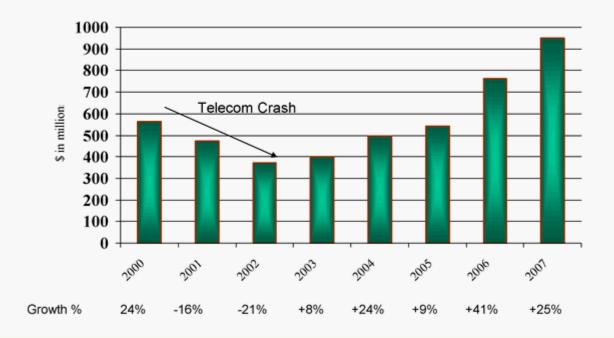
BEM – Execution Initiatives

- Profitable organic growth through new products, applications, and services
 - Close collaboration with customers
- Expansion of international base and sales
- · Broaden markets and technology
- Leverage above through "smart" acquisitions
- No let up in manufacturing excellence ... Lean Sigma process
- · Increasing shareholder value
- Having the ability and passion to thrive on change !!!



Annual Revenue: Historical

Our diversification and value creation initiatives are leading to strong growth in revenue and profitability





Our ongoing shareholder 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



Strategic Highlights

- Strong, diverse set of markets served
- · Global market reach
- · New products and services ... a culture of innovation
- Niche oriented product offerings
- · Acquisitions adding to growth and earnings
- Focus on operational excellence paying dividends
- · Strong cash flow
- · Strong balance sheet provides liquidity to support growth



Brush Engineered Materials – Material Solutions for the World's Leading Companies





















DELPHI























