
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 27, 2011

Materion Corporation

(Exact name of registrant as specified in its charter)

Ohio

(State or other jurisdiction
of incorporation)

001-15885

(Commission
File Number)

34-1919973

(IRS Employer
Identification No.)

6070 Parkland Blvd., Mayfield Heights, Ohio

(Address of principal executive offices)

44124

(Zip Code)

Registrant's telephone number, including area code 216-486-4200

Not Applicable

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 7.01 Regulation FD Disclosure

On October 27, 2011, Materion Corporation updated its website with a slide presentation that will be presented by Richard J. Hipple, Chairman, President and Chief Executive Officer to investors. A copy of the presentation is attached hereto as Exhibit 99.1.

Item 9.01 Financial Statements and Exhibits

Exhibits:

<u>Exhibit Number</u>	<u>Description of Exhibit</u>
99.1	November 2011 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.

Materion Corporation

October 27, 2011

By: Michael C. Hasychak
Michael C. Hasychak
Vice President, Treasurer and Secretary



MATERION



Materion Corporation
Investor Presentation
November 2011

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 and/or maintain 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, the timing and ability to achieve further efficiencies and synergies resulting from our name change and product line alignment under the Materion name and brand, 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.

MATERION TODAY:

New Name, Same Impressive Performance



Sales
growth
(2005 – 2010)

19%
CAGR

Operating profit
growth
(2005 – 2010)

30%
CAGR

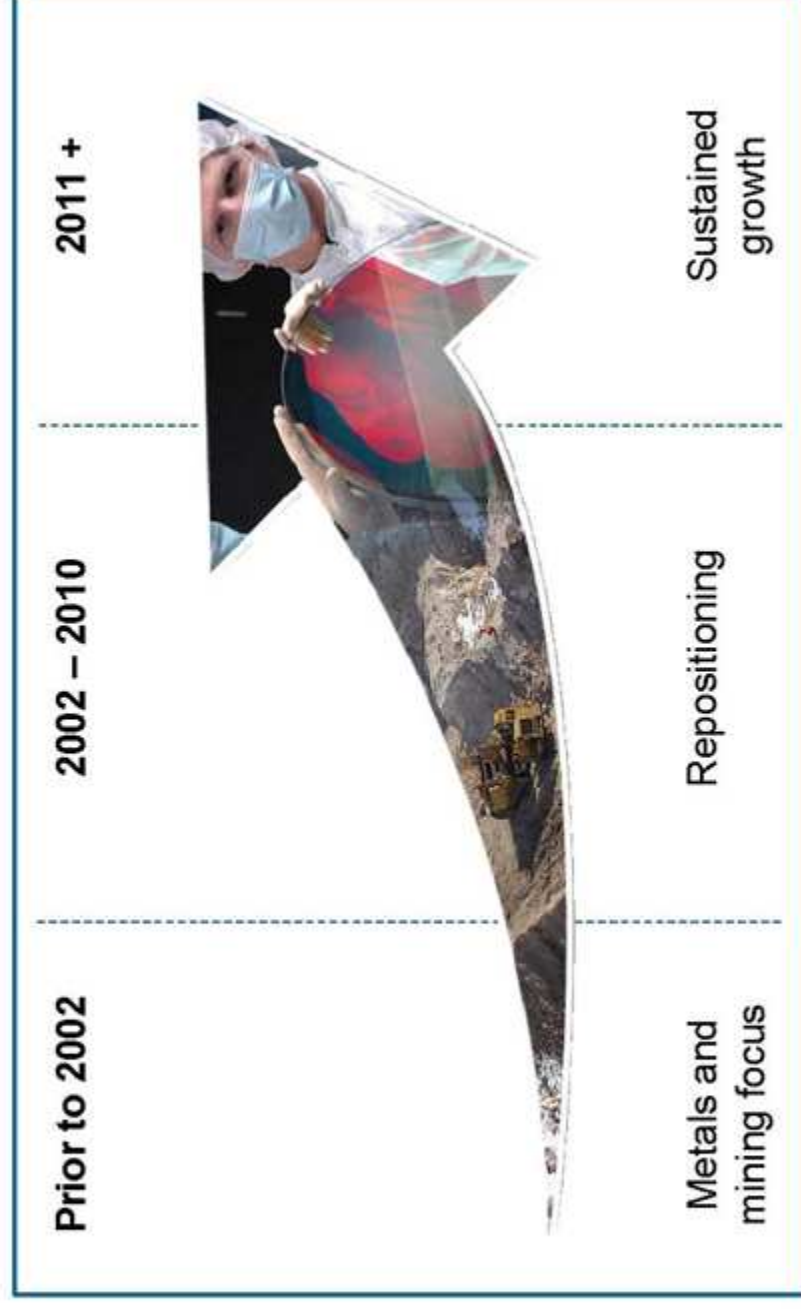
Repositioning
of company

Successful





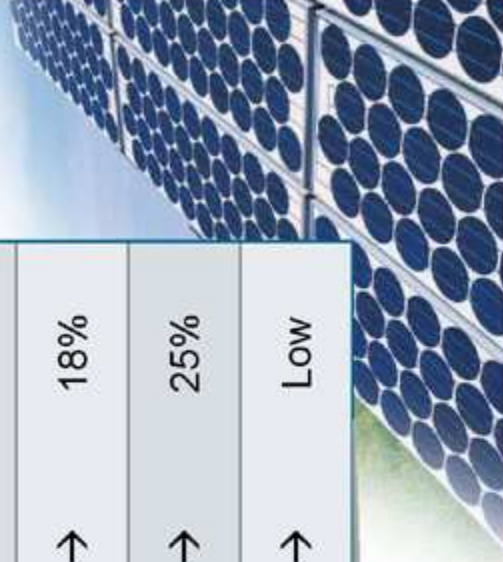
The Repositioning of Materion



Successful Repositioning – Snapshot









	2002	2010
Revenues	\$373M	\$1.3B
Revenue % in Advanced Materials	47%	75%
Sales per employee (thousands)	\$200	\$524
Debt-to-Debt-Plus-Equity	43%	18%
Working capital % of sales	41%	25%
Cyclicality	High	Low

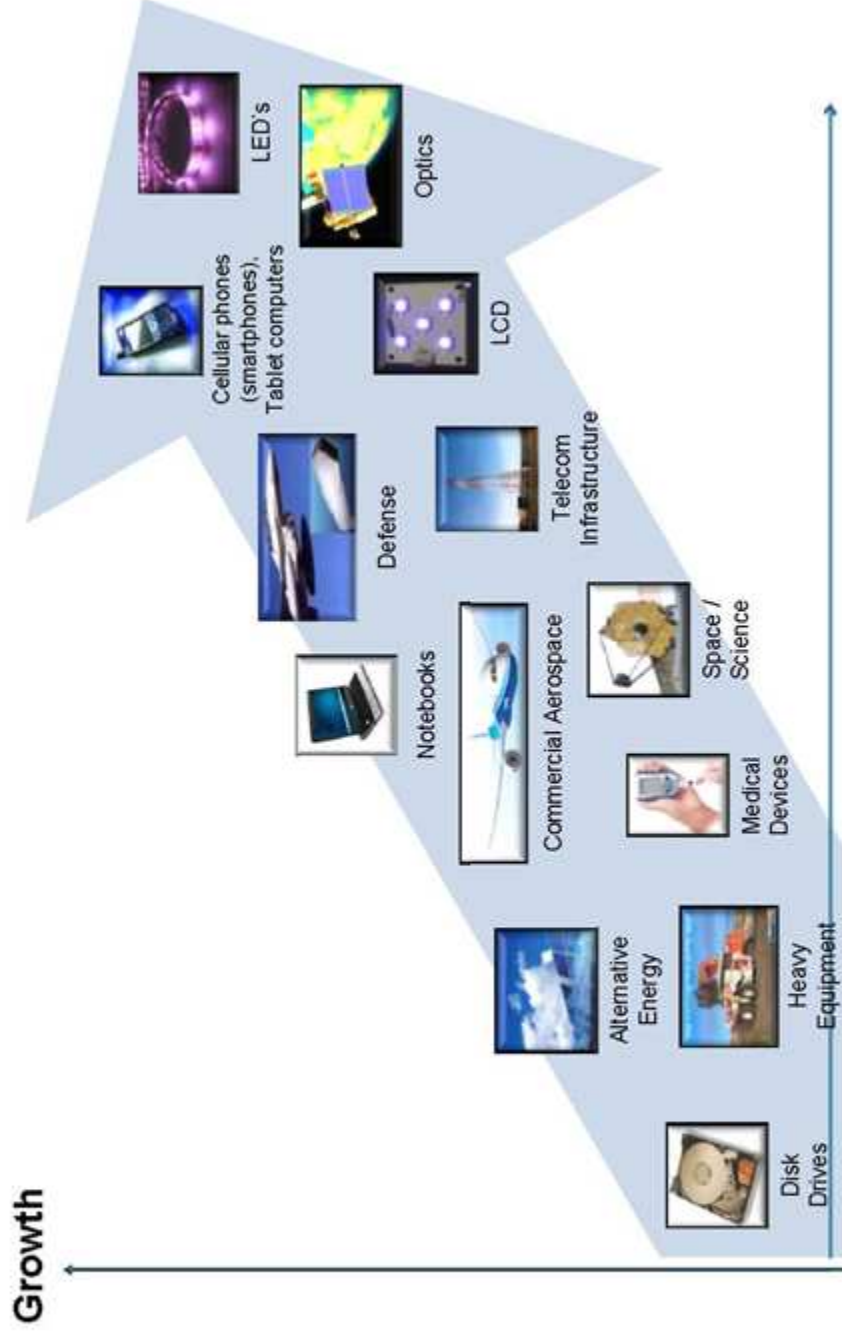


Operating Businesses are Well-Positioned and Growing



Business	End Markets (Examples)	Products (Examples)	Sales Growth (2002-2010)
Advanced Materials    75% of revenues	<ul style="list-style-type: none"> • Wireless • LED • Optical • Medical • Alternative energy 	<ul style="list-style-type: none"> • PVD targets • Optical / medical coatings • Electronic packaging • Inorganic powders 	453%
Integrated Metals    25% of revenues	<ul style="list-style-type: none"> • Wireless • Oil & gas • Aerospace • Heavy equipment • Defense 	<ul style="list-style-type: none"> • Electronic connectors • Directional drilling components • Optical structures • Bushings and bearings 	68%

Positioned in Diverse Set of High-Growth Markets



Entered multiple leading-edge growth markets since 2002

High Operating Margins



Removing High Value Metals Clarifies True Margins 2010

	Operating Profit %	Operating Profit % of Value-Added ⁽¹⁾
Integrated Metals	11 – 13%	14 – 16%
Advanced Materials	5 – 7%	22 – 24%
Company	5 – 7%	13 – 15%

Note (1): Excludes high value metals from sales

A Global Platform



Operations in US
and 11 Countries



Significant and Expanding
International Sales
2010

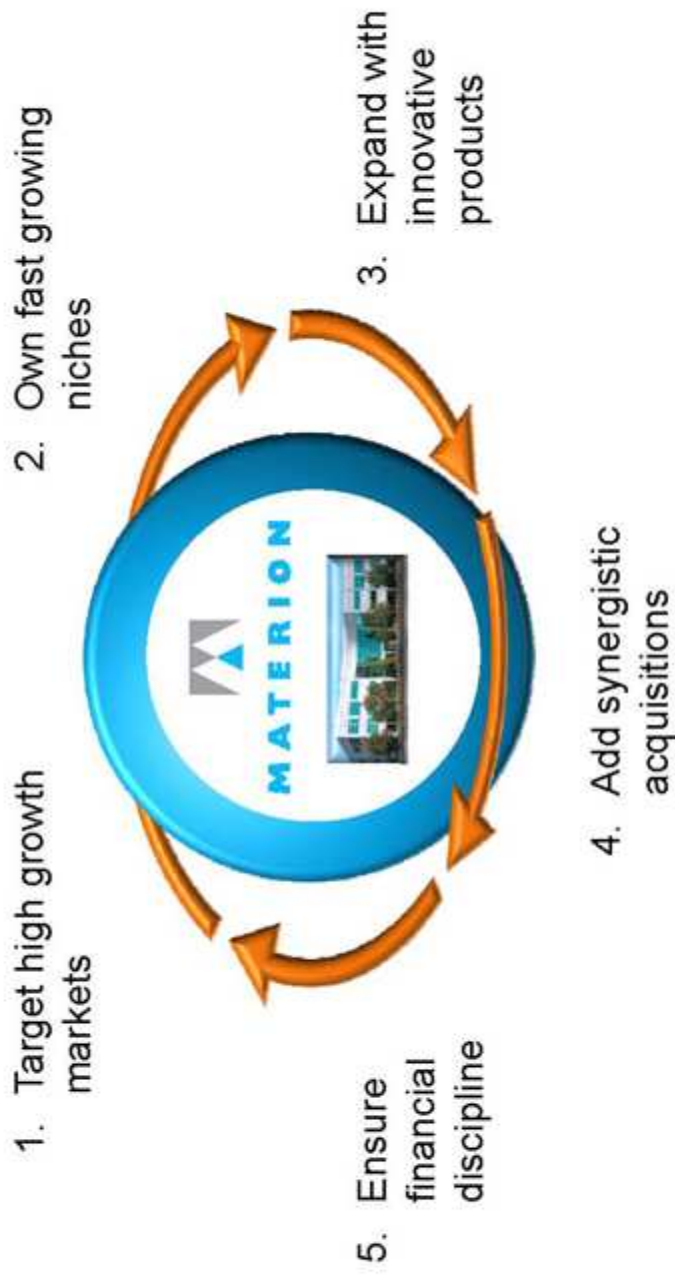


Expect "direct" international sales
to be 40 - 50% in 3-5 years



Customers in >50 countries



High Value-Added Business Model



1. Target High Growth, Leading-Edge Markets

Market	Q3 2011 % of Value- Added Sales	Current 2011 Trends	Key Drivers
Consumer Electronics	 22%		<ul style="list-style-type: none"> • Smartphone growth • Tablet computers & LEDs • Miniaturization
Defense & Science	 15%		<ul style="list-style-type: none"> • DoD & foreign military budgets • Demand for communications satellites • High performance optical devices
Industrial Components & Commercial Aerospace	 14%		<ul style="list-style-type: none"> • New airplane builds & retrofits • Increasing air travel • Heavy equipment builds
Telecommunications Infrastructure	 9%		<ul style="list-style-type: none"> • Global 3G/4G builds • Base stations • Undersea fiber-optics expansion
Automotive Electronics	 8%		<ul style="list-style-type: none"> • Increasing global car production • HEV/EV lithium ion battery components • Engine control & electronic systems
Energy	 8%		<ul style="list-style-type: none"> • Directional drilling • Rig counts • Solar, batteries & smart grid devices
Medical	 6%		<ul style="list-style-type: none"> • Glucose testing • Diagnostics equipment





1. Target High Growth, Leading-Edge Markets



Reportable Segments

Key Markets	ADVANCED MATERIAL TECHNOLOGIES <small>Precious, Non-precious, Specialty Metal and Inorganic Materials; Electronic Packages and Components</small>	PERFORMANCE ALLOYS <small>Bulk and Strip Form Products and Beryllium Hydroxide</small>	BERYLLIUM & COMPOSITES <small>Beryllium and Beryllia Ceramic Products</small>	TECHNICAL MATERIALS <small>Specialty Strip Metal Products</small>
CONSUMER ELECTRONICS	▲	▲	▲	▲
DEFENSE & SCIENCE	▲	▲	▲	▲
INDUSTRIAL COMPONENTS & COMM. AEROSPACE	▲	▲	▲	
TELECOM INFRASTRUCTURE	▲	▲	▲	▲
AUTOMOTIVE ELECTRONICS	▲	▲	▲	▲
ENERGY	▲	▲	▲	▲
MEDICAL	▲	▲	▲	▲

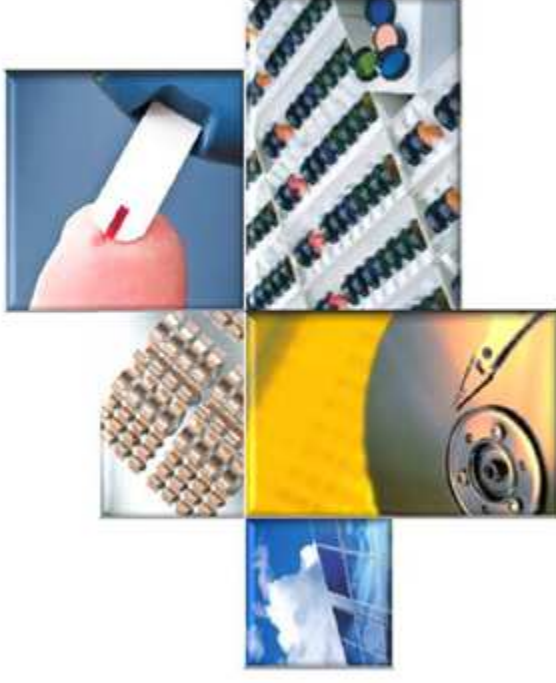
2. Own The Niche – Examples

	Leading position in niche
 <ul style="list-style-type: none"> • Smartphone applications <ul style="list-style-type: none"> – currently in 90% of all smartphones, with expected device penetration of 50% in 2011 	✓
 <ul style="list-style-type: none"> • Optical coatings <ul style="list-style-type: none"> – highly sophisticated uses for defense, thermal imaging, space and medical applications 	✓
 <ul style="list-style-type: none"> • Only fully integrated producer of beryllium <ul style="list-style-type: none"> – one-of-a-kind business 	✓
 <ul style="list-style-type: none"> • Unique copper-nickel material ToughMet™ <ul style="list-style-type: none"> – multiple advanced applications growing at over 30% annually 	✓

3. Continually Develop Innovative Products



- Customer-centric product development
- Active research programs
- New product areas include
 - LEDs
 - Medical
 - Commercial Optics
 - Disk drive arms
 - Solar
 - Batteries
 - Science
 - Commercial Aerospace



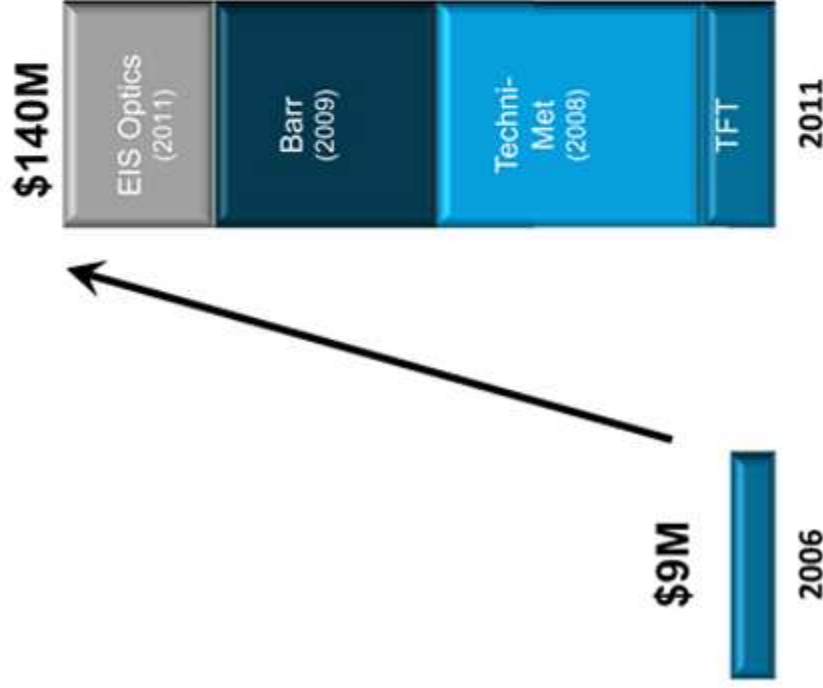
4. Synergistic Acquisitions – Strong Record

	Acquisitions 2005-2011 – Impact		
	Add complementary products / technology	Expand market position	Accretive in year 1
OMC – shield kit cleaning	✓	✓	✓
TFT – thin film coatings	✓	✓	✓
CERAC – inorganic chemicals	✓	✓	✓
Techni-Met – thin film coatings	✓	✓	✓
Barr – thin film coatings	✓	✓	✓
Academy – precious metals	✓	✓	✓
EIS Optics – thin film coatings	✓	✓	TBD

Added over \$300M to sales and approximately 25% of company profit

4. Synergistic Acquisitions

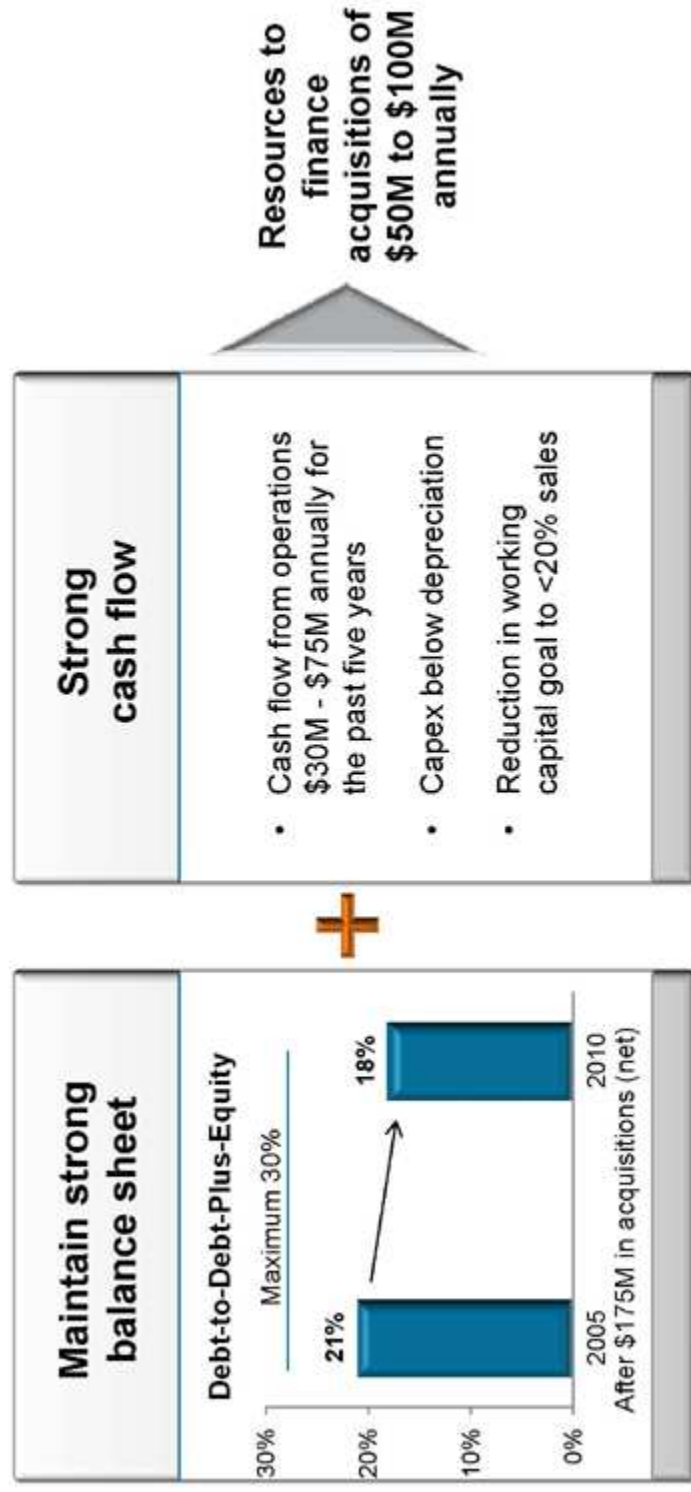
Case Study of Growing a Niche Business – Optical Filters and Medical Coatings (Pro-Forma Revenues)



- Positioned in \$1.2B+ market growing at 11% annually
- Markets served include: defense, aerospace, medical, energy, semiconductor, telecommunications, lighting and astronomy
- The recent acquisition of EIS Optics continues to expand our global footprint in Asia



5. Ensure Financial Discipline





Financial Goals Next 3-5 Years

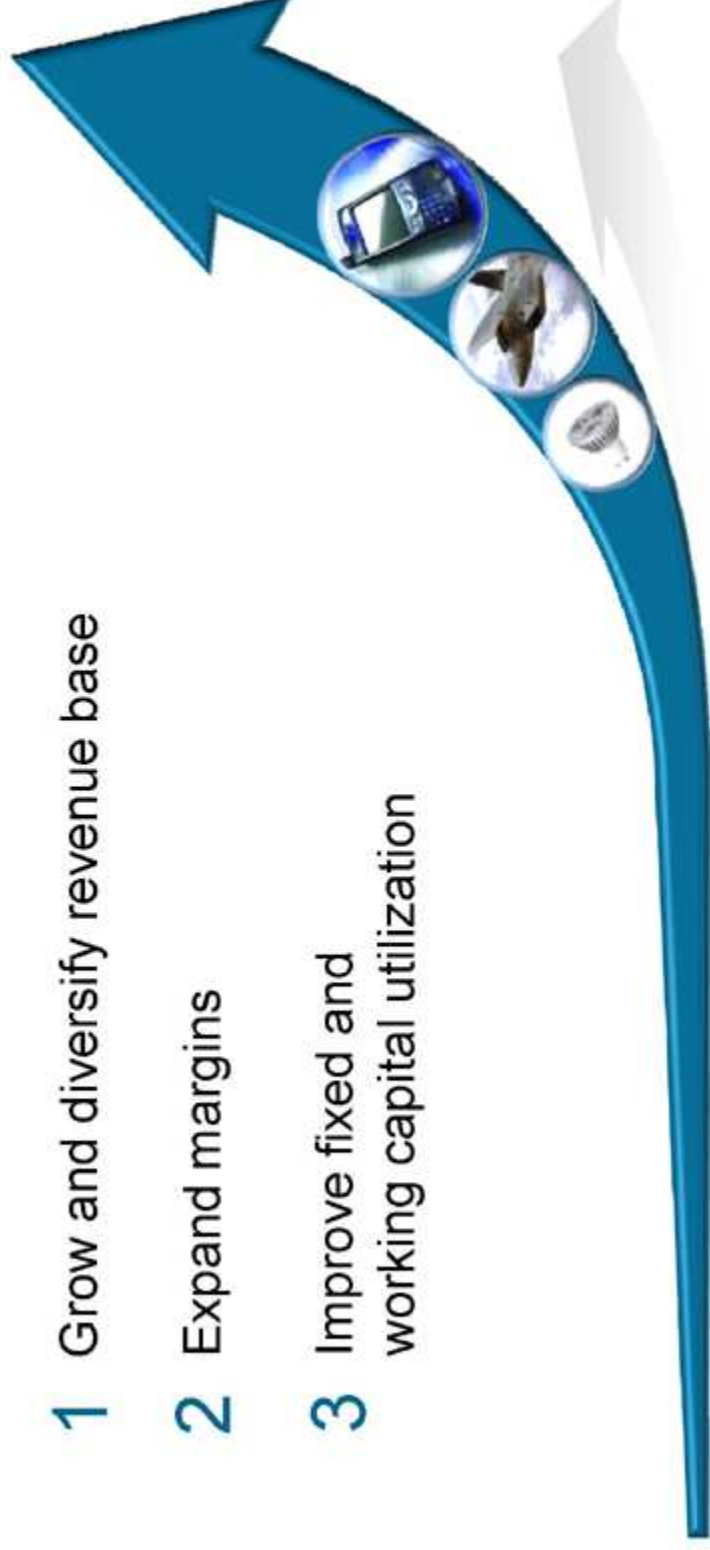
	2010	Next 3-5 years
Revenue growth – organic	35%	→ >10%
Acquisitions	\$21M	→ \$50 - \$100M per year
Margins (OP % VA)	14%	→ 14% - 18%
Working capital % sales	25%	→ <20%
Debt to Debt-Plus-Equity	18%	→ <30%
ROIC (pre-tax)	17%	→ >20%

Continuing to Execute Three Point Strategy



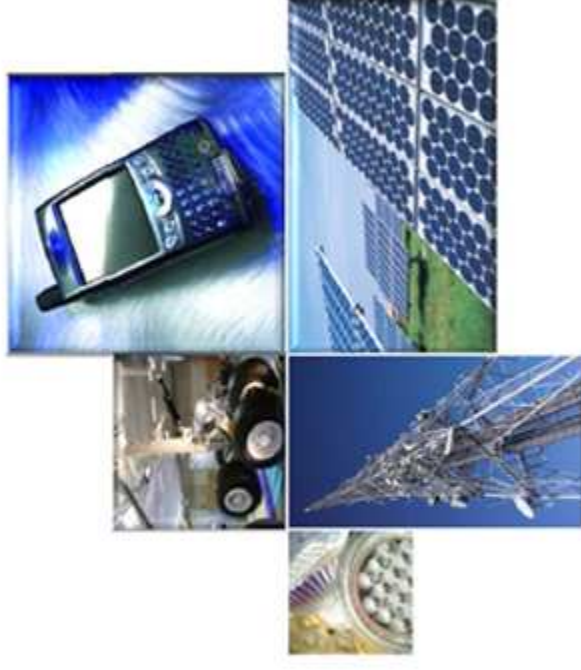
Increasing Shareholder Value

- 1 Grow and diversify revenue base
- 2 Expand margins
- 3 Improve fixed and working capital utilization



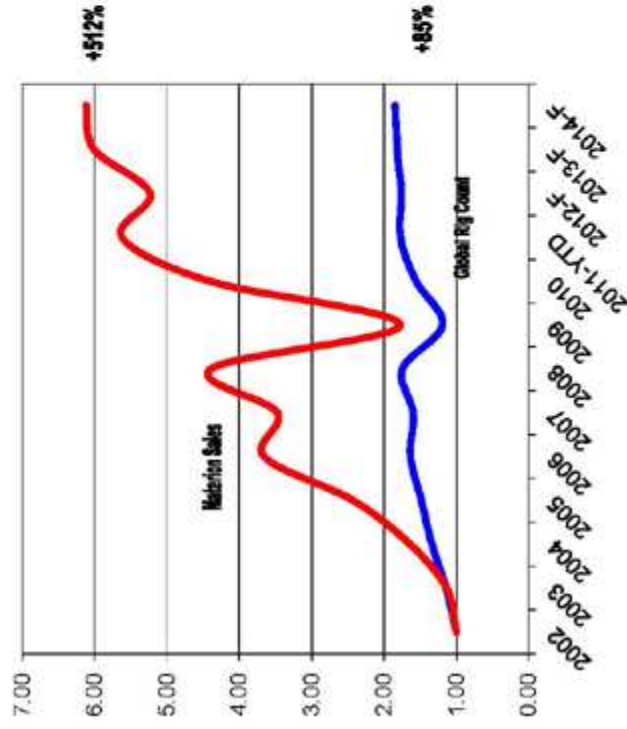
Expand and Diversify Revenue Base

- Targeting expansion in growth markets including:
 - smart mobile devices, 3G / 4G, commercial aerospace, oil & gas, alternative energy, optics, LED / LCD
- Ongoing global expansion
 - Asia
- Strategic acquisition → fast accretion
 - Technology
 - Global reach

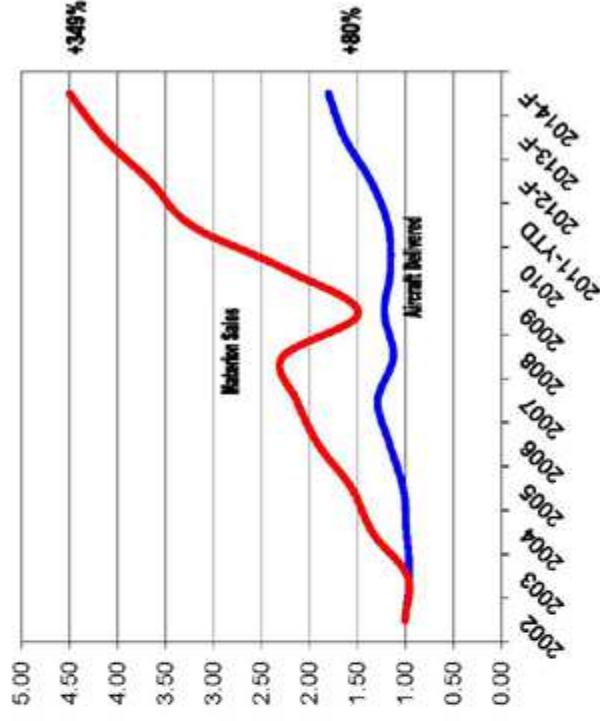


Strategy in Action: Outgrowing Growth Markets

Growth of Materion Oil and Gas Sales vs. Market

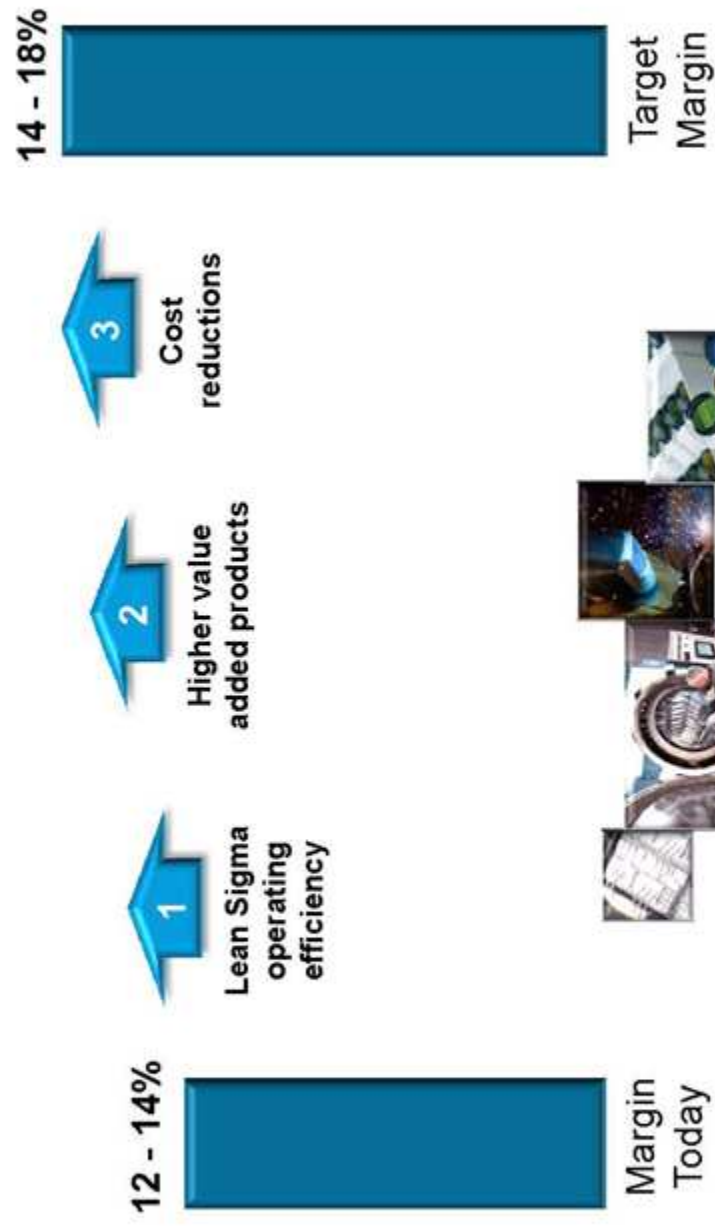


Growth of Materion Aerospace Sales vs Market



Expand Margins – Key Drivers

(OP % VA)



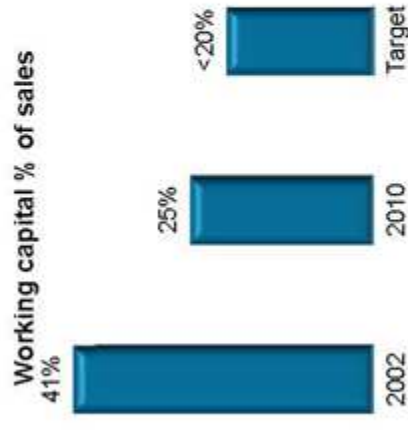
Improve Fixed and Working Capital Efficiency

Lean Sigma

- Cycle time reduction
- Yield improvement
- On-time shipments



Improve Working Capital Efficiency

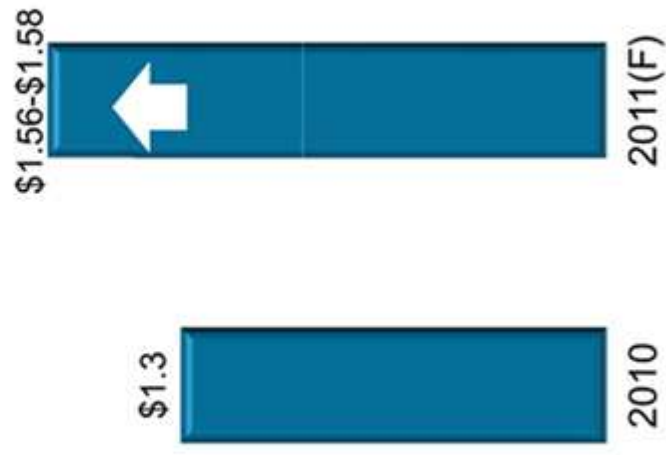


Based on 2011 projected sales, each 5% of working capital efficiency = \$43M of cash

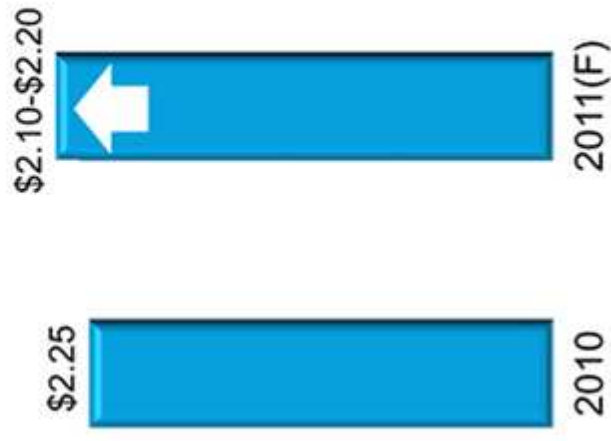
2011 Outlook and Guidance



Revenues (Billions)



EPS



Why Invest in Materion Corporation



Positioning

Niche leader in high-growth markets

- Global player, strong secular market drivers
- Sustainable long-term growth

Performance

Strong performance record

- Proven business model
- Target, expand, then own niche

Growth

Executing three point strategy

- Clear financial goals, performance continuing to improve





MATERION



Appendix

Applications: Smart Phones

Internal Antenna Contacts

Grounding Clips and Audio Jacks

Micro Mezzanine Connectors for LCD Screen

I/O Connector Contacts

Battery Contacts



Internal Electronics

- Precursor materials for GaAs wafer production

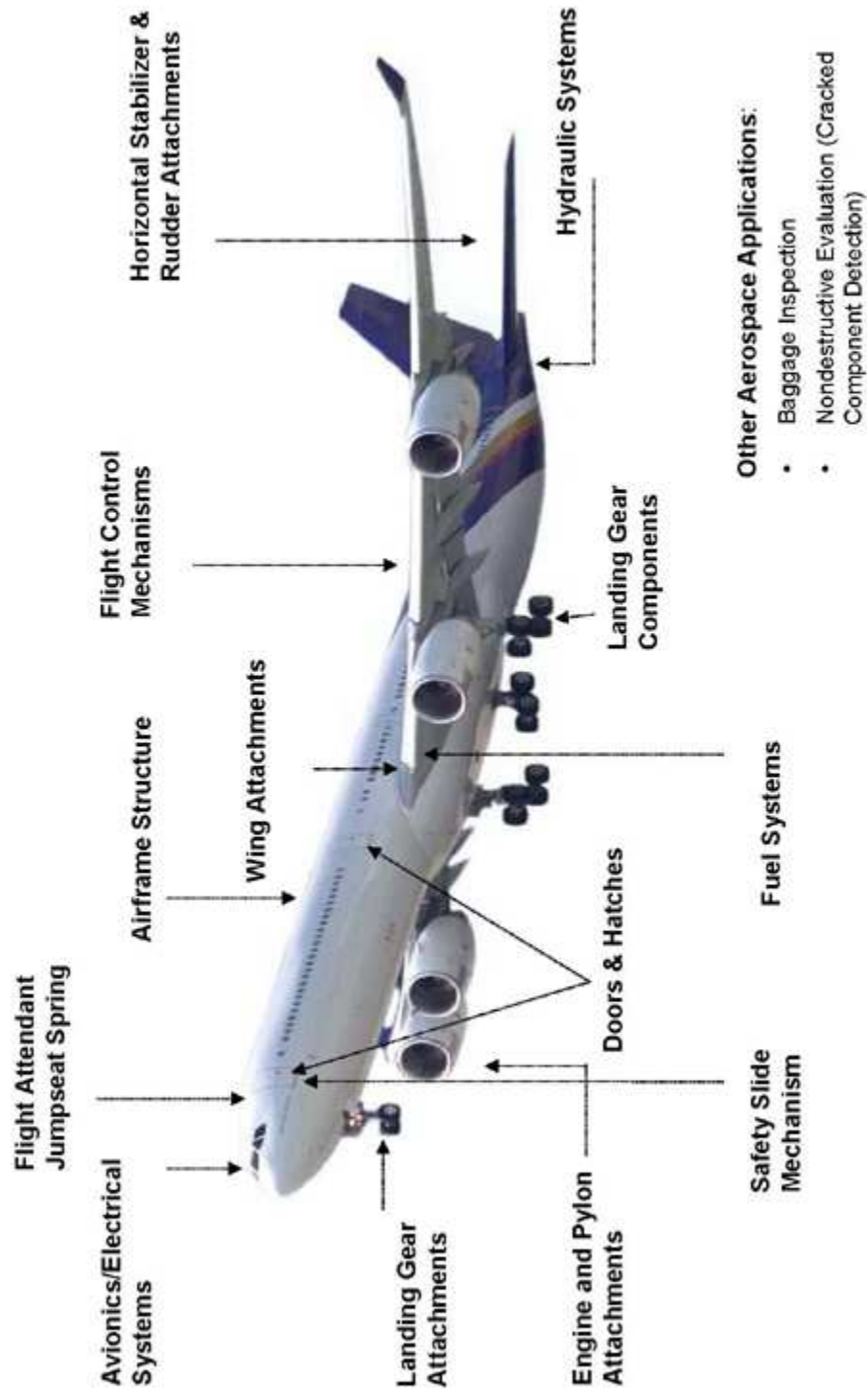
Internal Electronics and LED

- Thin Film Materials – Power amplifiers, LED, SAW and BAW devices, filters, and ICs
- Hermetic Solutions for SAW
- Refining / Recycling
- Precision Parts Cleaning

Other Smart Phone Applications:

- Circuit Board and IC Inspection
- RoHS Compliance Assurance
- Cellular Infrastructure with High Power RF Packaging

Applications: Aerospace

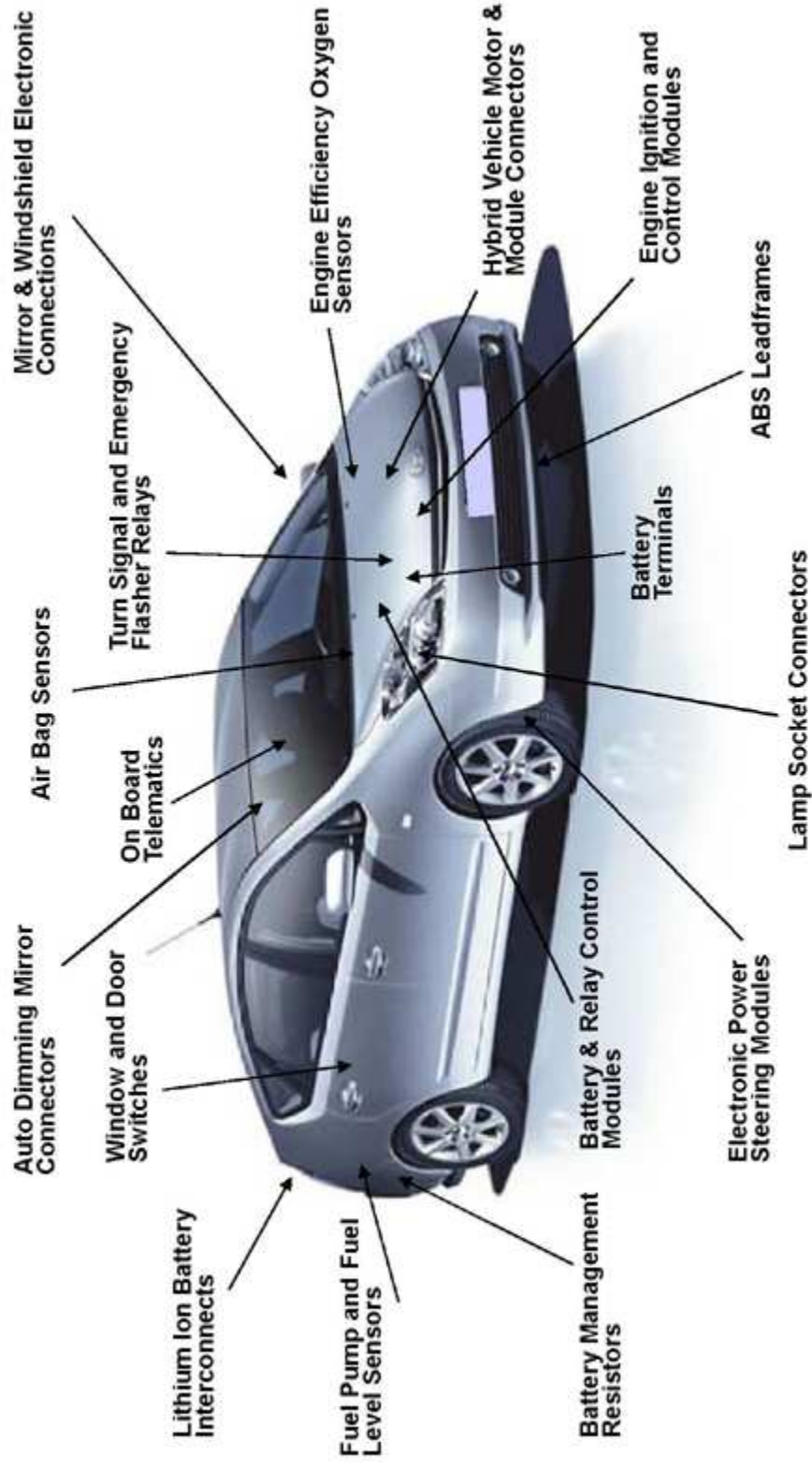


Applications: Defense

- Infrared Sensors for Fighter Jet and UAV Optical Targeting
- Electronic Packaging for Defense Avionics, Radar and Electronic Countermeasure Systems
- Structural and Electronic Components for Satellites
- X-ray Windows in Security Imaging Systems
- Laser Protection Optical Coatings
- Night Vision System Optics



Applications: Automotive Electronics



Applications: Oil & Gas



Wellhead Control Equipment

Structural Rig Components



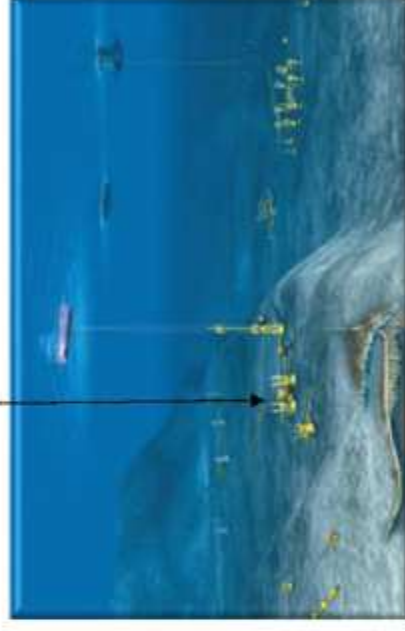
Drill Bits

Directional Drilling Equipment

MWD, LWD, MPT Systems

Under Water Wellhead Equipment

ROV's, blow out preventers, hydraulic actuators, control fluid couplings



Other Oil & Gas Applications:

- Artificial Lift Equipment
- Elemental Analysis
- Down Hole X-Ray Inspection

Applications: Solar Energy



Technology: Crystalline Silicon (Si)

Interconnect Materials
Front and backplane systems for high efficiency designs.

Technology: Flexible Solar Cells / Building Integrated Photovoltaic:

Thin Film Services:

Solar cells built in flexible substrates to accommodate applications such as roofing tiles or defense.

Technology: Cadmium Telluride (CdTe)

Thin Film (PVD) Materials

Cadmium based solar cell architecture. N and P type Cadmium Semiconductor materials
TCO Transparent Conductive Oxide layers
Front and Back-contact layers

Technology: Copper Indium Gallium Selenide (CIGS)

Thin Film (PVD) Materials as well as Powders for Printing
CIGS applications

Copper Indium Gallium Selenide thin film and screen printing applications for flexible and rigid solar cells.

Technology: Concentrator Photovoltaic (CPV)

Thin Film (PVD) Materials

Solar technology based on concentrating Solar rays into a semiconductor device via large lens.
Anti-Reflection Coating Materials
Precious metal contact materials

Technology: Amorphous Silicon (a-Si, tandem and multi-junction)

Thin Film (PVD) Materials

Silicon based photovoltaic cells
Front and back contact layers
TCO Transparent Conductive Oxide layers

Micro Electronic Packaging Products:

Bonding Ribbon - Au & Ag
Lead-free Solders
Metalized Ceramic Substrates

Applications: Telecommunications Infrastructure



Base Stations

- Coaxial Connectors
- High Power Amplifiers

Local Area Networks

- Shielding
- Modular Jacks
- PCB Sockets
- Processor Sockets

Other Telecommunications Infrastructure Applications

- Undersea Repeater Housings



Applications: Medical



Seizure Control

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

X-Ray Mammography

Subcutaneous Glucose Analysis

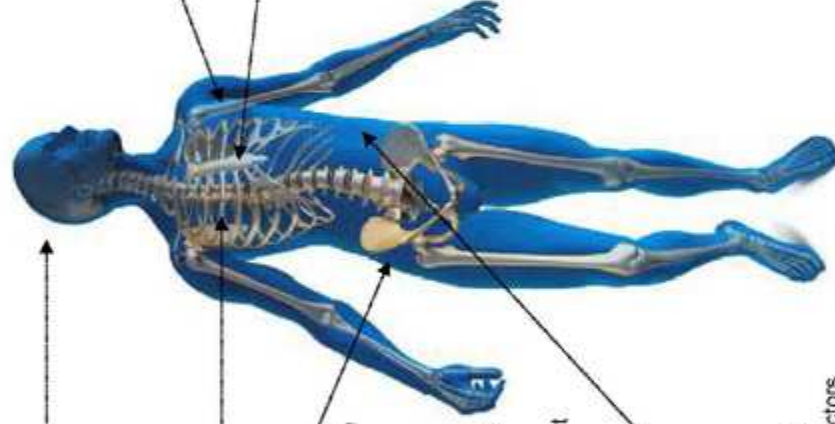
- Thin Film Coatings – Electrode Monitoring device

External Glucose Analysis

- Subcutaneous sensors for glucose measurement

Insulin Pump

- EMI Shielding and Grounding
- Electrical Terminals in Connectors



Radiation Therapy – Neutron Reflectors

Cardiac Rhythm Management

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

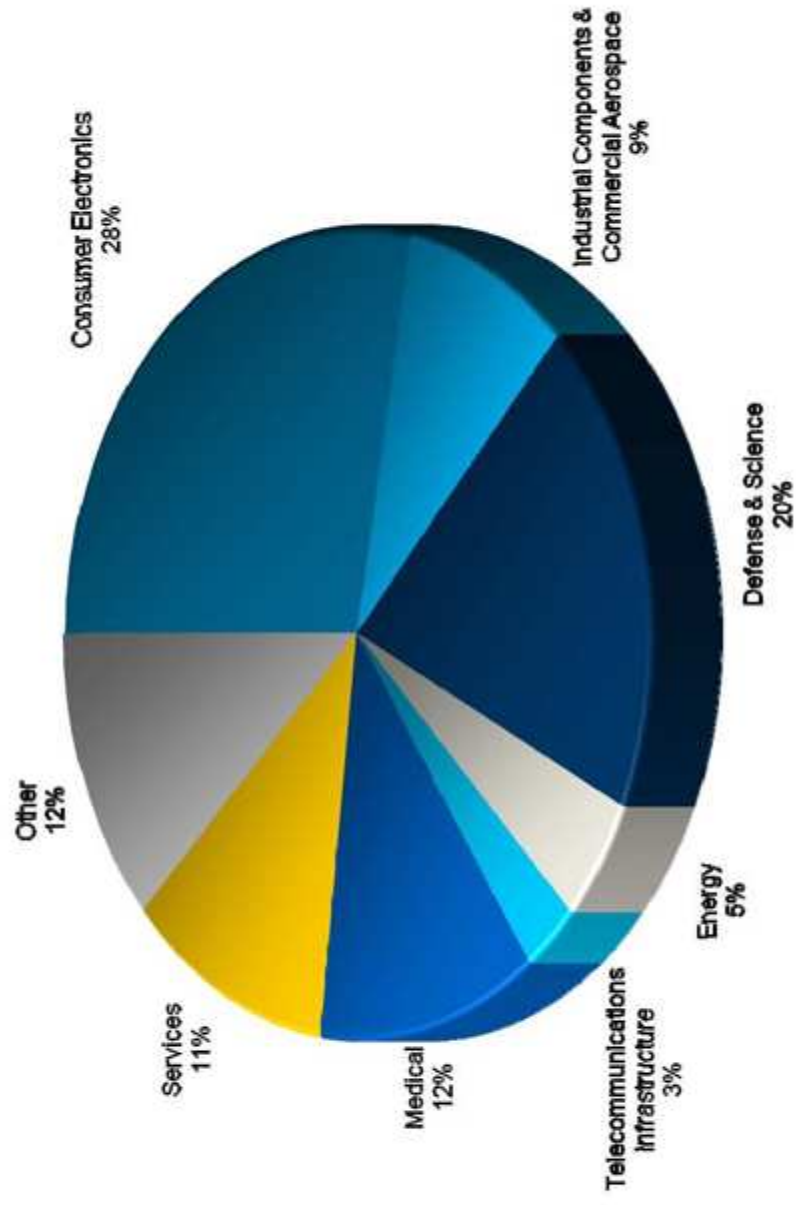
Other Medical Applications:

- CT Scan
- Diagnostic X-Rays
- Advanced Drug Delivery Components
- Diagnostic Electronic Components
- Anesthesia Monitoring Components
- Operating Instruments

Value-Added Sales: Advanced Material Technologies



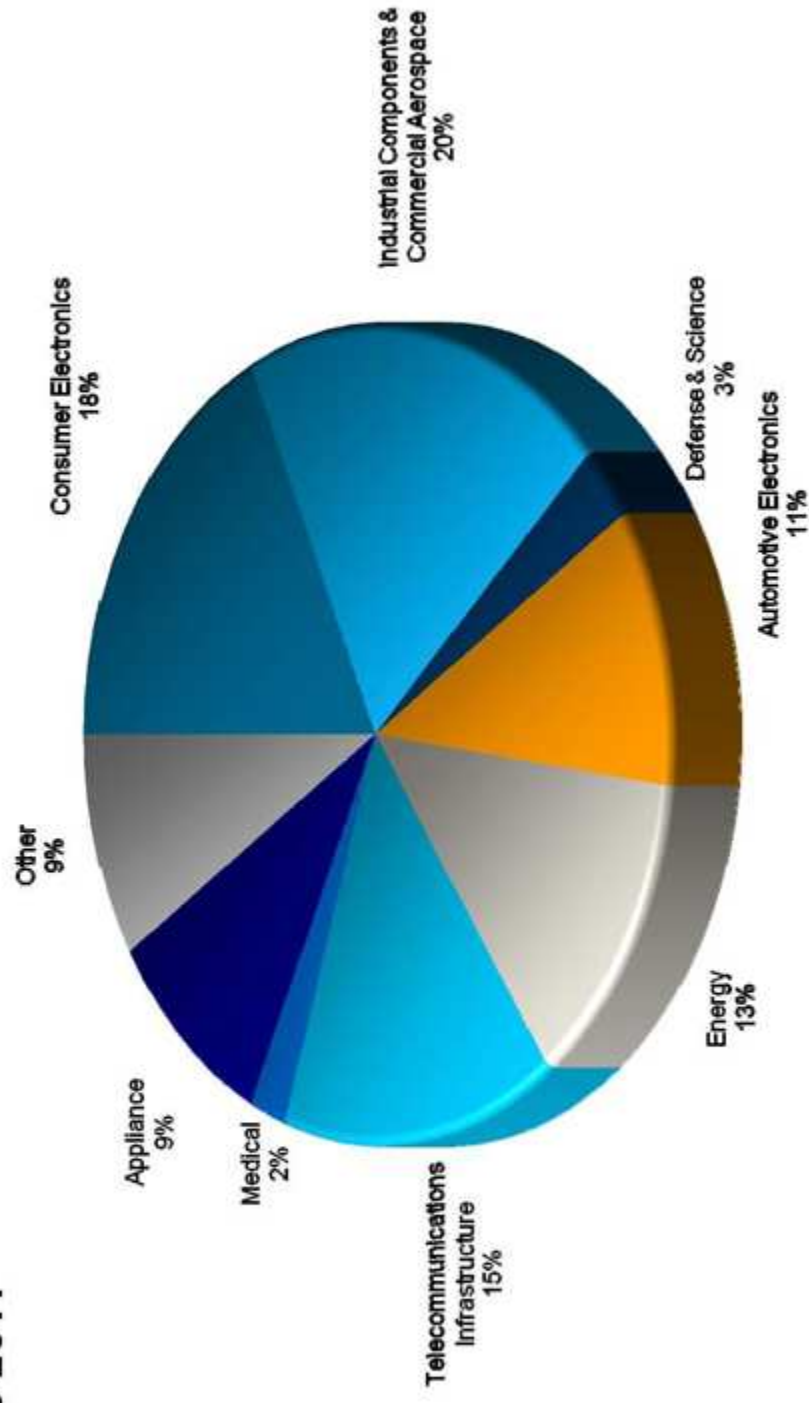
Q3 2011



Value-Added Sales: Performance Alloys



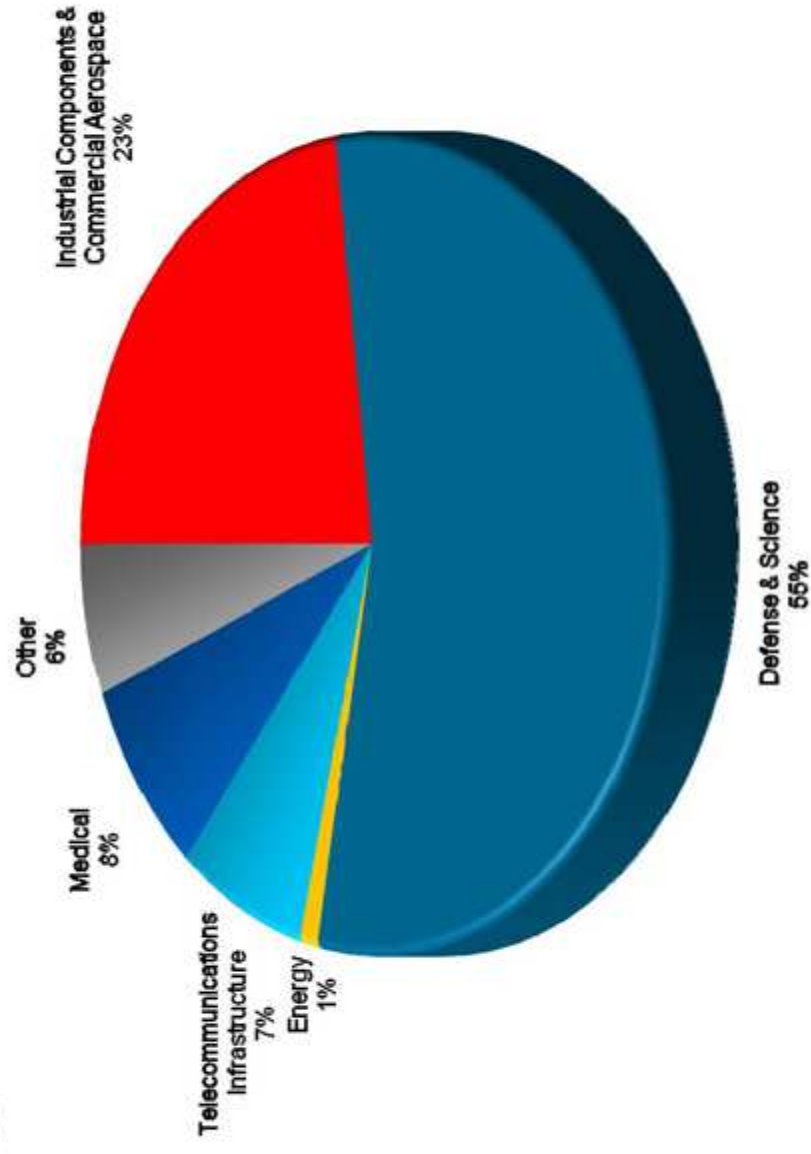
Q3 2011



Value-Added Sales: Beryllium and Composites



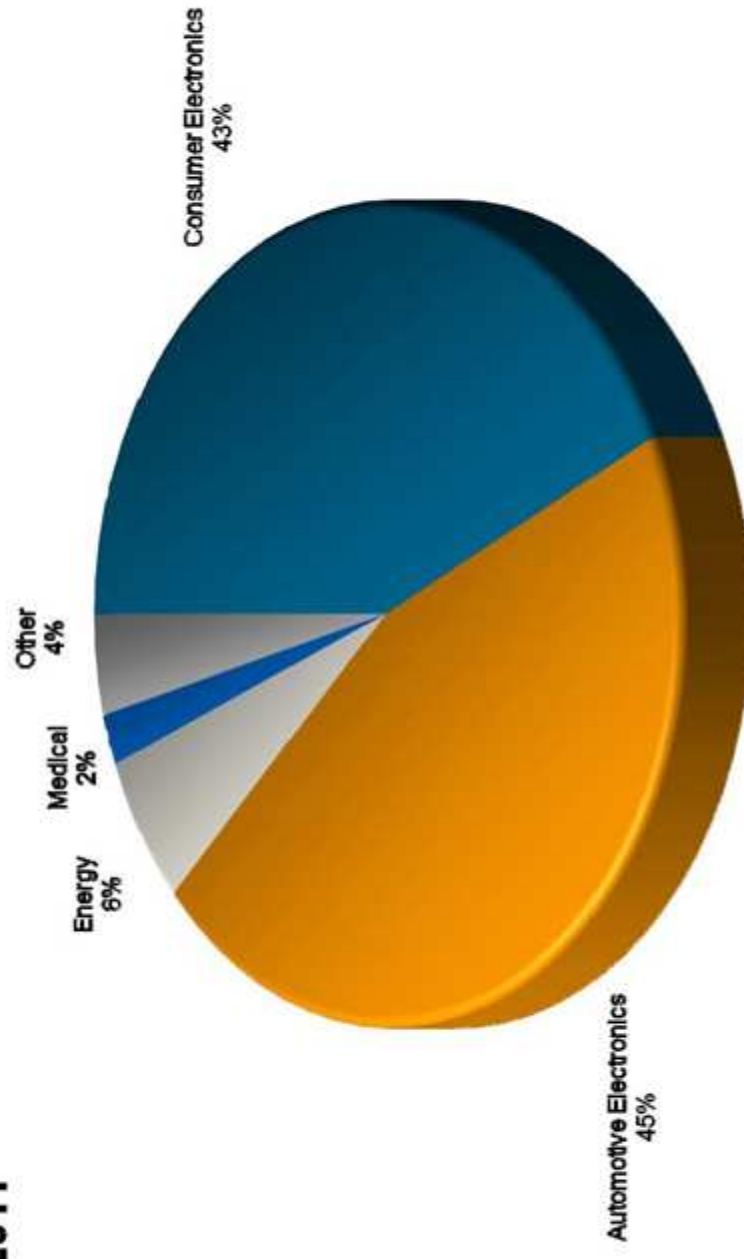
Q3 2011



Value-Added Sales: Technical Materials



Q3 2011



New Product and Technology Development



Advanced Material Technologies

- Optics Coating Materials and Large Format Components
- Precision Optical Thin Film Coatings (specialty filters)
- Thin Film Electrodes (medical diagnostics)
- Optical package for New Photonics applications
- RF packages for the latest transistor technology (3G and 4G infrastructure)
- Expanded refining/chamber services – Compliment to Thin Film Materials & Coating businesses
- Large format Thin Film Materials for large area coatings (Energy, Solar)
- Solar Panel Thin Film, Concentrator Materials and Barrier Film Coatings
- MEMS and Photovoltaic Packaging Materials
- Nanotechnology Materials
- Materials for High Brightness LEDs
- Specialty Inorganic Compounds (Solar, Security)
- Precious Metal Materials – rod, bar, sheet, slugs, etc.
- Refining and Metal Recovery and Management Services

New Product and Technology Development



Performance Alloys

- ToughMet® Alloy for High Volume Bearing Applications
- BrushForm 158 for Voice Coil Motor (VCM) applications
- Materion R270 Strip

Beryllium and Composites

- Nearer net shape fabrication (hot isostatic pressing)
- Truextent™ speaker diaphragms
- Coatings
- Nuclear beryllium materials

Technical Materials

- Li Ion Battery Interconnects
- Power Electronics
- Solar Leadframe Application
- Medical Applications
- Hard Drives