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

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**FORM 8-K**

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**CURRENT REPORT**

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

Date of Report (Date of earliest event reported) May 8, 2012

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**Materion Corporation**

(Exact name of registrant as specified in its charter)

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**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.)

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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 May 8, 2012, 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	May 2012 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

May 8, 2012

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



**MATERION**



# Materion Corporation Investor Presentation

May 2012

# 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.

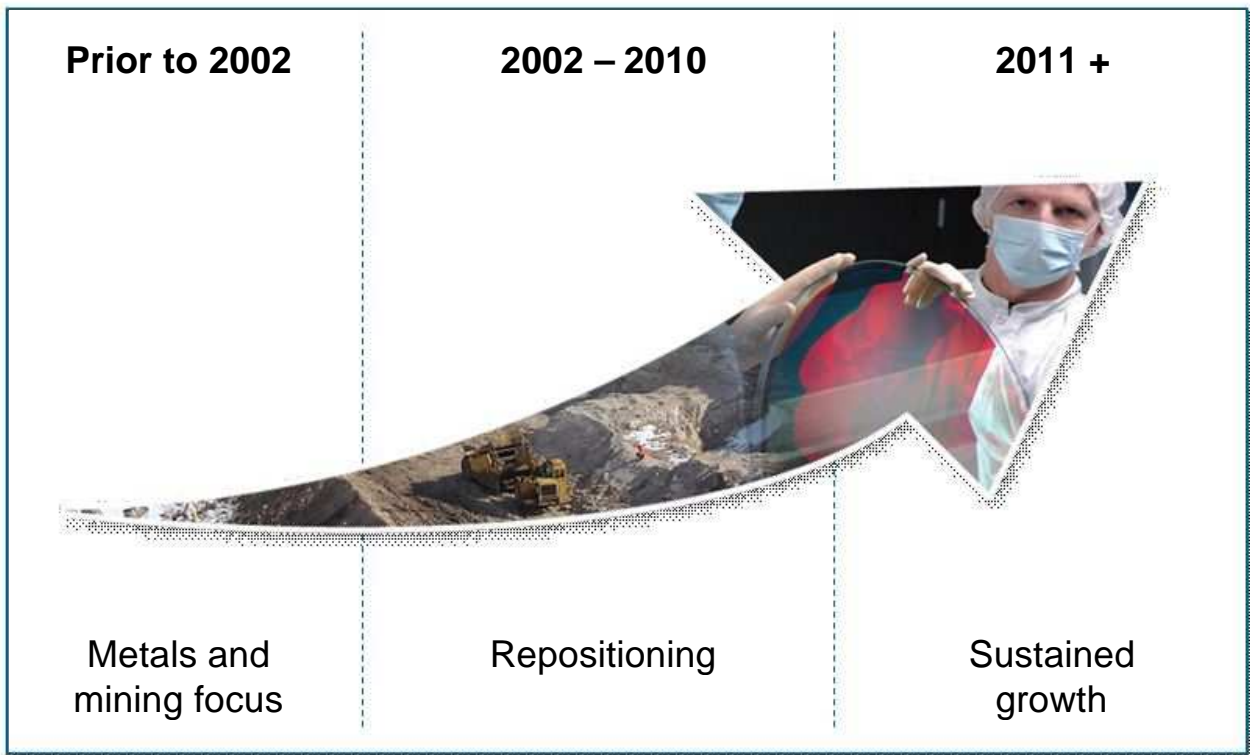


\*Excluding pass-through metal





# The Repositioning of Materion



# Successful Repositioning – Snapshot



	2002		2011
Revenues	\$373M	→	\$1.5B
Revenue % in Advanced Materials	47%	→	76%
Sales per employee (thousands)	\$200	→	\$506
Debt-to-Debt-Plus-Equity	43%	→	17%
Working capital * % of sales	41%	→	23%
Cyclicalilty	High	→	Lower
Growth	Low	→	Higher

\* A/R, Inventory & A/P

# Operating Businesses are Well-Positioned and Growing



## Business

## End Markets (Examples)

## Products (Examples)

### Advanced Materials



76% of revenues

- Wireless
- LED
- Optical Coatings
- Medical
- Alternative Energy

- Defense & Science
- PVD Targets
- Optical / Medical Coatings
- Electronic Packaging
- Inorganic Powders

### Integrated Metals



24% of revenues

- Wireless
- Oil & Gas
- Aerospace
- Heavy Equipment
- Defense & Science

- Electronic Connectors
- Directional Drilling Components
- Optical Structures
- Bushings and Bearings



- High Purity Gold Products for Semiconductor Fabrication (Wireless & LED)
  - Offering “full metal management” capabilities

Leading Global Position



- Precision Optical Coatings – Visible to Infrared Bandwidth
  - “Go To” Supplier for defense, thermal imaging, space and medical applications



- Only Fully Integrated Producer of Beryllium and Beryllium Alloys in the World
  - Over 75 years of reserves at Utah



- Unique Copper-Nickel-Tin Material ToughMet®
  - Multiple advanced applications growing at over 30% annually

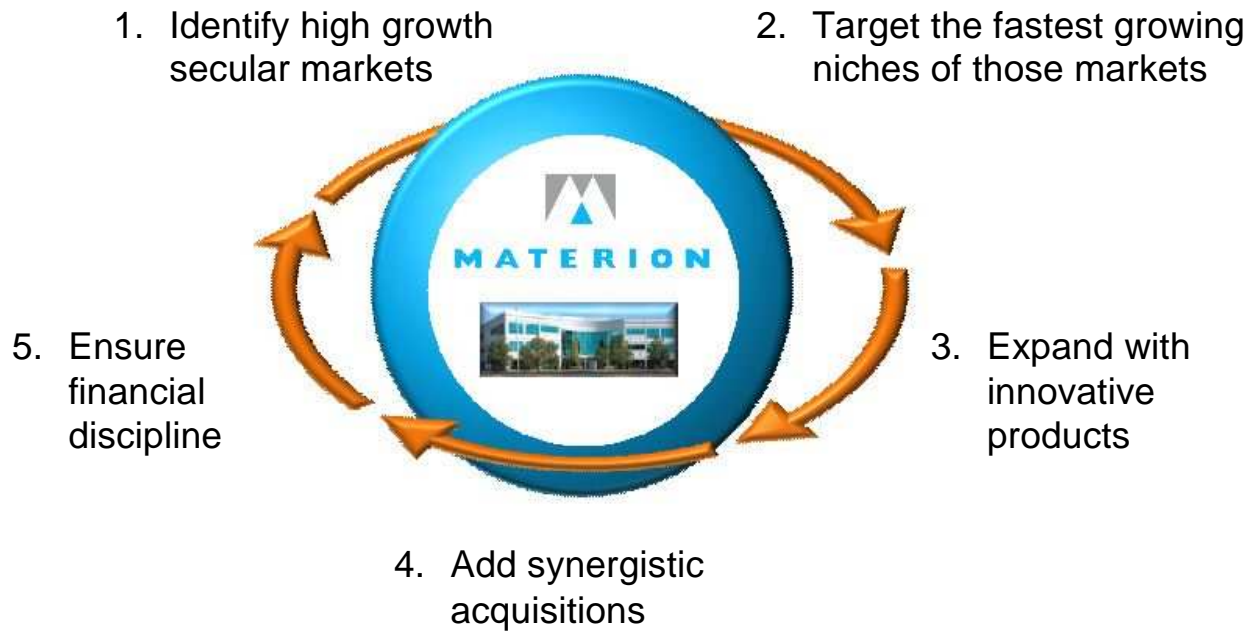


- Blood Analysis Test Coatings for Medical Diagnosis



















# High Value-Added Business Model



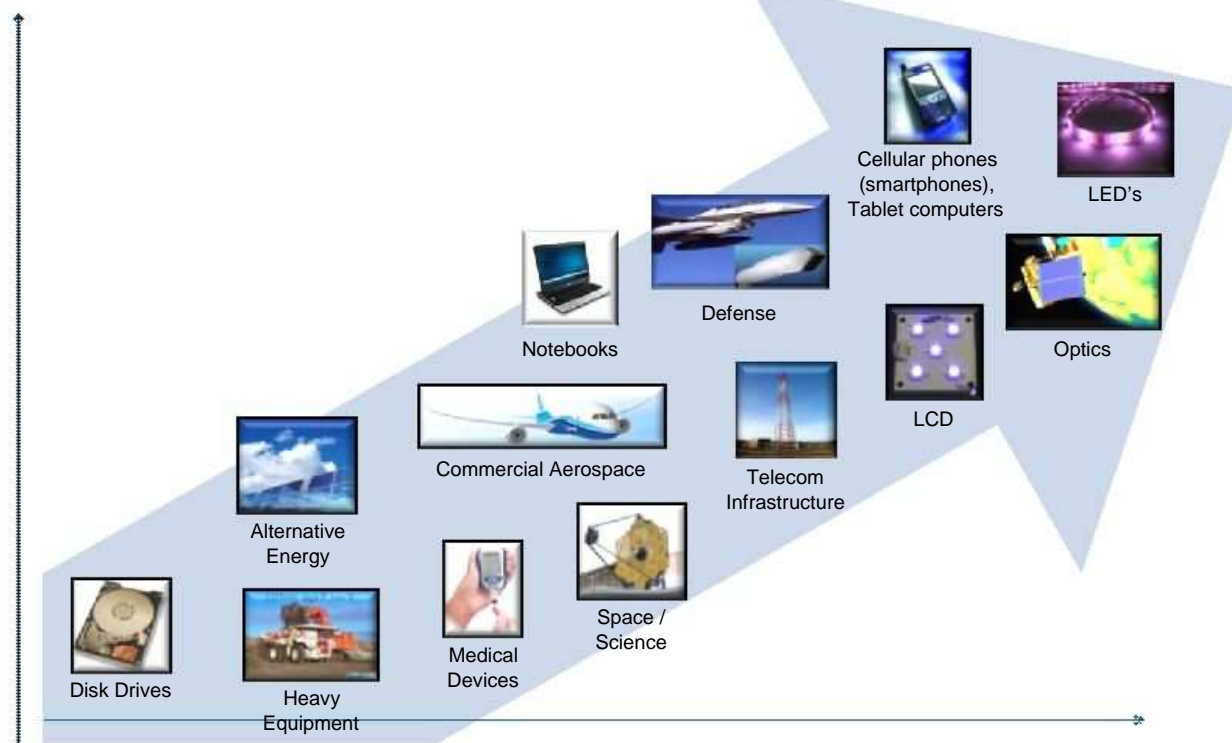
# 1. Identify High Growth Secular Markets

Market	Q1 2012 % of Value-added Sales	2012 Trends	Key Drivers
Consumer Electronics	 21%		<ul style="list-style-type: none"> <li>• Smartphone growth</li> <li>• Tablet computers &amp; LEDs</li> <li>• Miniaturization</li> </ul>
Industrial Components & Commercial Aerospace	 20%		<ul style="list-style-type: none"> <li>• New airplane builds &amp; retrofits</li> <li>• Increasing air travel</li> <li>• Heavy equipment builds</li> </ul>
Defense & Science	 14%		<ul style="list-style-type: none"> <li>• DoD &amp; foreign military budgets</li> <li>• Demand for communications satellites</li> <li>• High performance optical devices</li> </ul>
Automotive Electronics	 9%		<ul style="list-style-type: none"> <li>• Increasing global car production</li> <li>• HEV/EV lithium ion battery components</li> <li>• Engine control &amp; electronic systems</li> </ul>
Energy	 8%		<ul style="list-style-type: none"> <li>• Directional drilling</li> <li>• Rig counts</li> <li>• Solar, batteries &amp; smart grid devices</li> </ul>
Medical	 7%		<ul style="list-style-type: none"> <li>• Glucose testing</li> <li>• Blood analysis test coating for medical diagnosis</li> <li>• Diagnostics equipment</li> </ul>
Telecommunications Infrastructure	 6%		<ul style="list-style-type: none"> <li>• Global 3G/4G builds</li> <li>• Base stations</li> <li>• Undersea fiber-optics expansion</li> </ul>

# Positioned in Diverse Set of High-Growth Markets



Growth



**Entered multiple leading-edge growth markets since 2002**

## Removing High Value Metals Clarifies True Margins 2011

	Operating Profit %	Operating Profit % of Value-Added <sup>(1)</sup>
Advanced Materials	3 – 5%	16 – 18%
Integrated Metals	6 – 8%	8 – 10%
Company	3 – 5%	10 – 12%

## Operations in US and 11 Countries



- Customers in >50 countries
- Expanded presence in Asia

## Significant International Sales\* Q1 2012



\*Percentage of value added sales

## 2. Target High Growth, Leading-Edge Markets



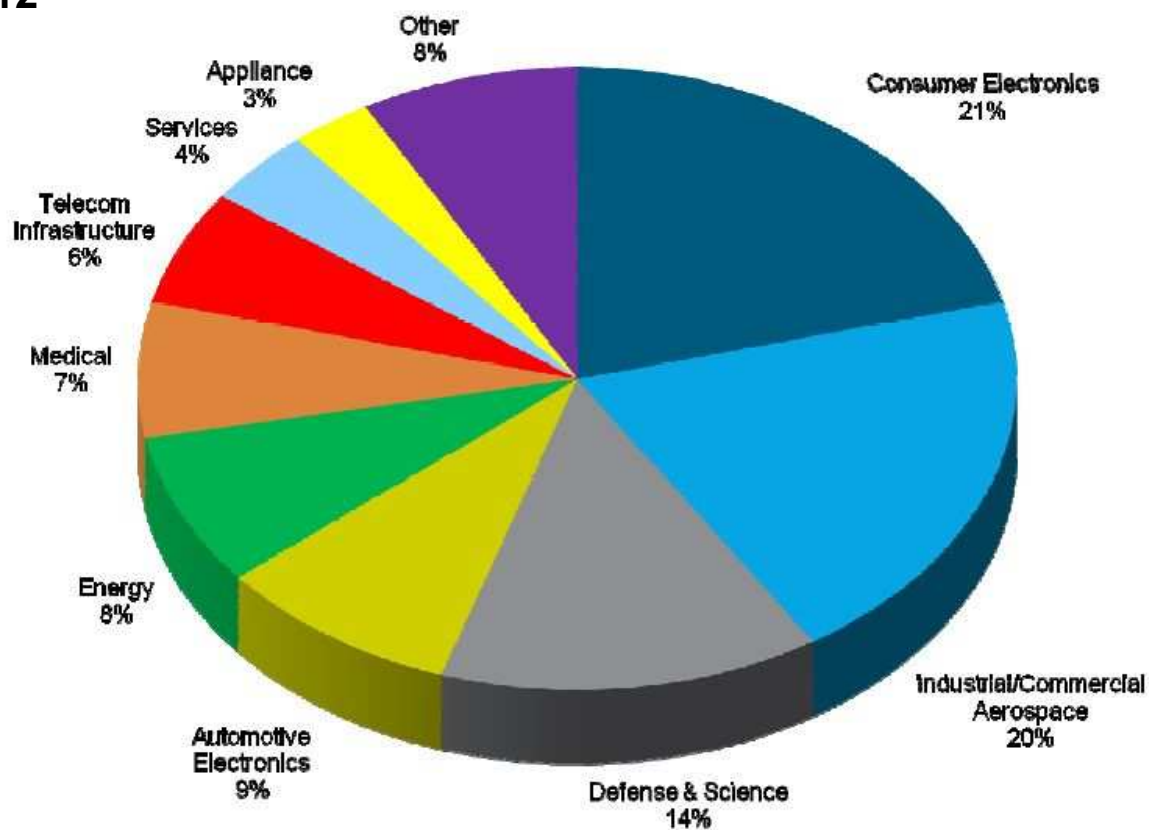
### Reportable Segments

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

# Value Added Sales: Materion



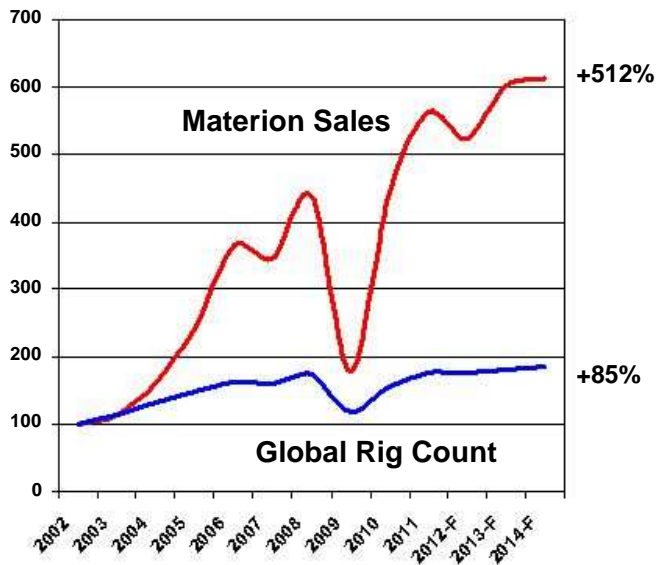
Q1 2012



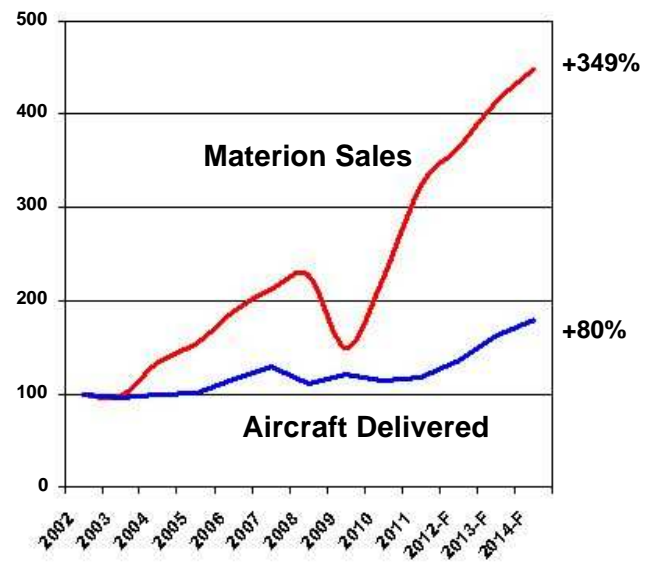
# Strategy in Action: Outgrowing Growth Markets



## Growth of Materion Oil and Gas Sales vs. Market



## Growth of Materion Aerospace Sales vs Market



### 3. Continually Develop Innovative Products

- Customer-centric product development
- Active research programs
- New product areas include
  - LEDs
  - Medical
  - Commercial Optics
  - Computer Hard Drives
  - Alternative Energy
  - Science
  - Commercial Aerospace
  - Hybrid & Electric Vehicles
  - Wireless



## Advanced Material Technologies

### Materials

- Optics Coating Materials and Large Format Components
- Thin Film Electrodes (medical diagnostics)
- Expanded refining/chamber services – Compliment to Thin Film Materials & Coating businesses
- Nanotechnology Materials
- Materials for High Brightness LEDs
- Specialty Inorganic Compounds (Solar, Security)
- Precious Metal Materials – rod, bar, sheet, slugs, etc.
- Global Refining and Metal Recovery and Management Services
- Ultra high purity Precious Metals for medical and semiconductor applications
- Next generation magnetic data storage thin film head materials

## Advanced Material Technologies

### Coatings

- Precision Optical Thin Film Coatings (specialty filters)
- Large format Thin Film Materials for large area coatings (Energy, Solar)
- Solar Panel Thin Film, Concentrator Materials and Barrier Film Coatings

### Packaging

- Optical package for New Photonics applications
- RF packages for the latest transistor technology (3G and 4G infrastructure)
- MEMS and Photovoltaic Packaging Materials

## 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
- Investment Casting
- Amorphous Metals
- SupremEX™ Aluminum Metal Matrix Composites

## Technical Materials

- Hybrid & Electric Vehicle Battery Components
- Power Electronics
- Smart Grid Meters
- Computer Hard Drives (Duel Stage Activation)
- Medical Applications

## 4. A Strong Record of Synergistic Acquisitions

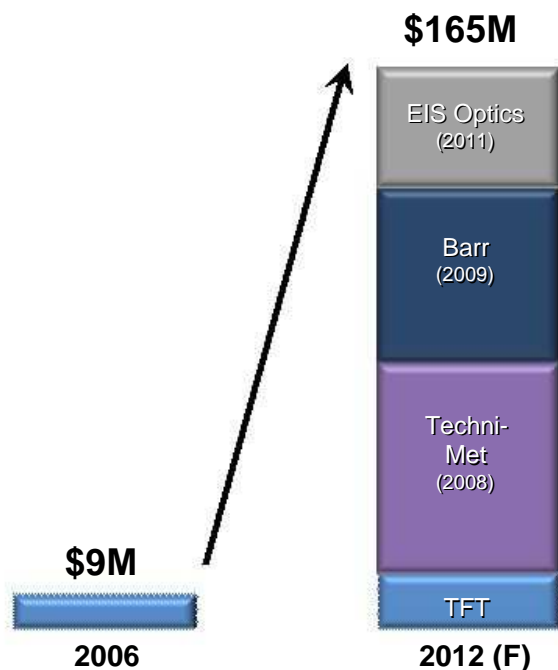


	Acquisitions 2005-2012 – Impact		
	Add complementary products / technology	Expand market position	Accretive in year 1
OMC – shield kit cleaning	✓	✓	✓
TFT – thin film coatings	✓	✓	✓
CERAC – inorganic chemicals	✓	✓	✓
Techni-Met – thin film coatings	✓	✓	✓
Barr – thin film coatings	✓	✓	✓
Academy – precious metals	✓	✓	✓
EIS Optics – thin film coatings	✓	✓	TBD
AMC – metal matrix composites	✓	✓	TBD

Added over \$440M to sales and approximately 30% of company profit in 2011

## 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

### Maintain strong balance sheet

#### Debt-to-Debt-Plus-Equity



### Strong cash flow

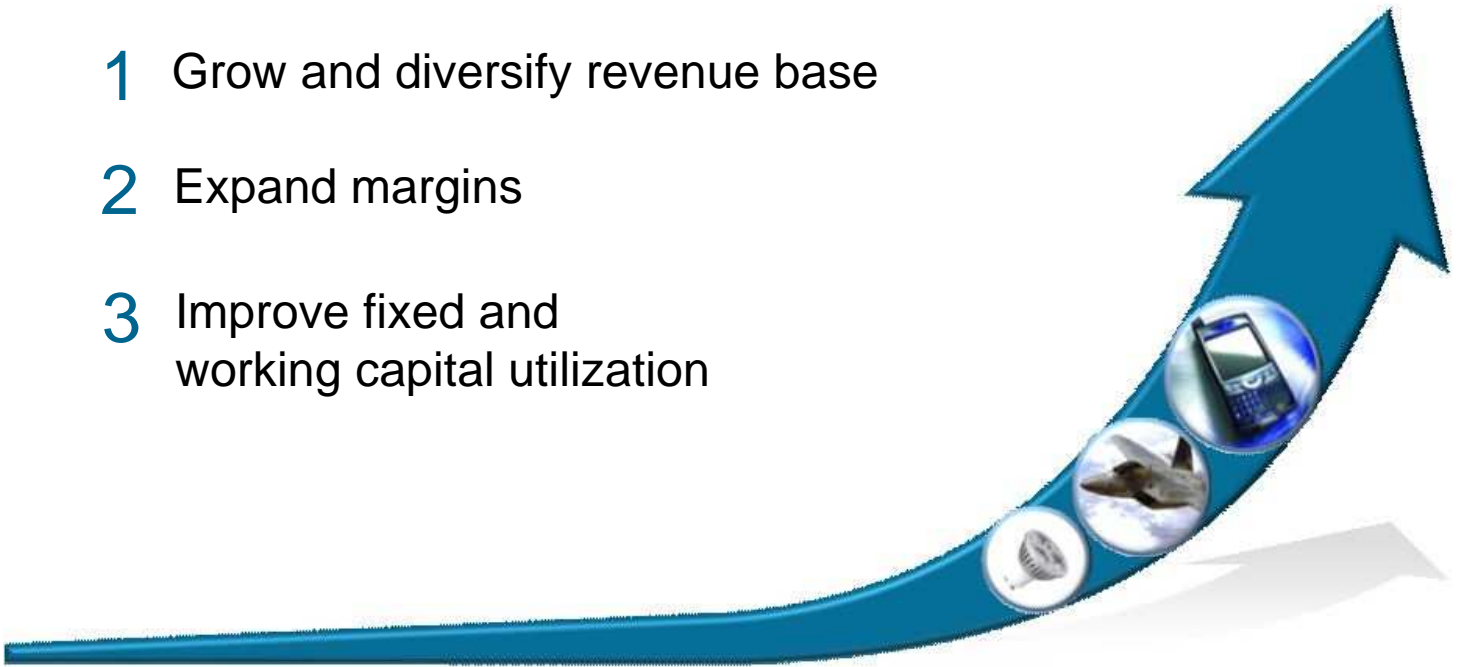
- Cash flow from operations \$30M - \$75M annually for the past five years
- Capex below depreciation
- Reduction in working capital goal to <20% sales

**Resources to finance organic growth and acquisitions while returning cash to shareholders**



## Increasing Shareholder Value

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



# Financial Goals Next 3-5 Years

	Past 3-5 Years		Next 3-5 years
Revenue growth – organic	12%	→	>10%
Acquisitions	\$35M - \$40M Per year	→	\$50 - \$100M Per Year
Margins (OP % VA)	10% - 14%	→	14% - 18%
Working capital % sales	23% - 25%	→	<20%
Debt-to-Debt-Plus-Equity	16% - 18%	→	<30%
ROIC (pre-tax)	9% - 12%	→	>20%

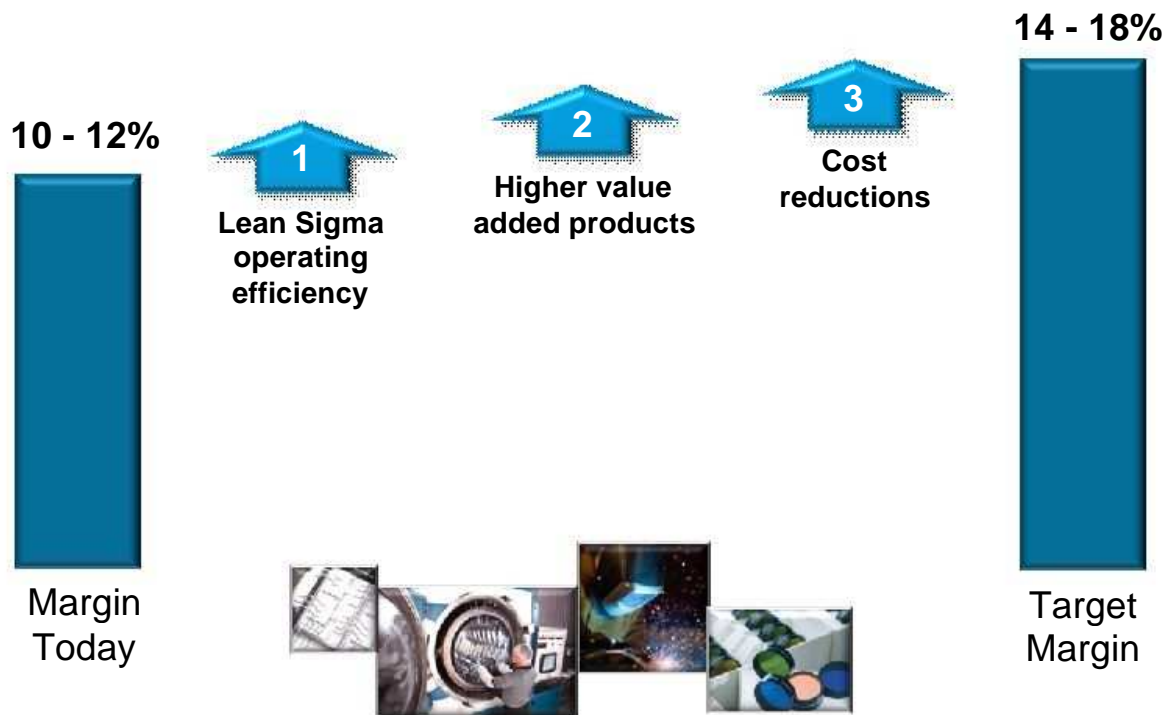
# Expand and Diversify Revenue Base

- 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



# Expand Margins – Key Drivers

(OP % VA)



# Improve Fixed and Working Capital Efficiency



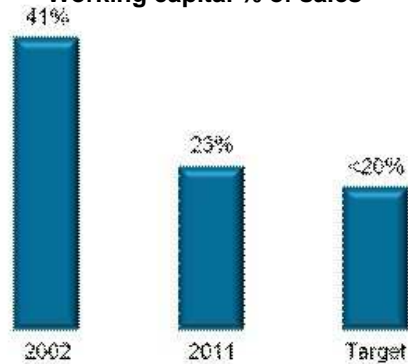
## Lean Sigma

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



## Improve Working Capital Efficiency

Working capital % of sales

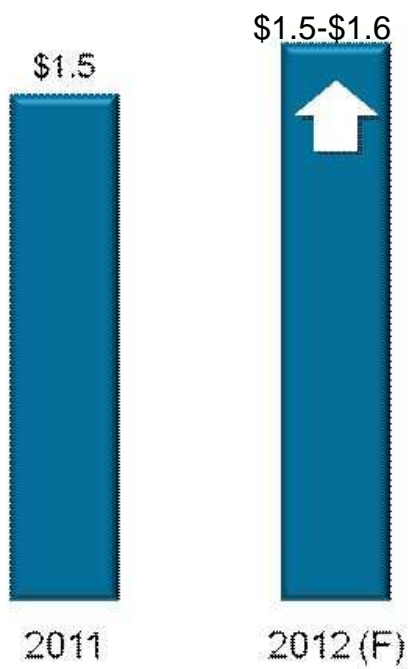


Based on 2012 projected sales, each 5% of working capital efficiency = \$50M of cash

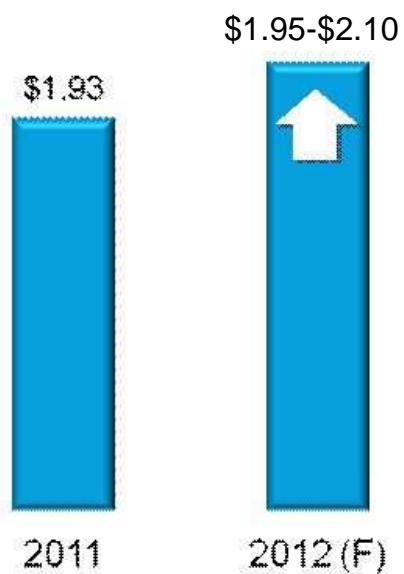
# 2012 Outlook and Guidance



## Revenues (Billions)



## EPS



# Why Invest in Materion Corporation



## Positioning

### A leader in high-growth markets

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

## Performance

### Strong performance record

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

## Growth

### Executing three point strategy

- Clear financial goals, performance continuing to improve





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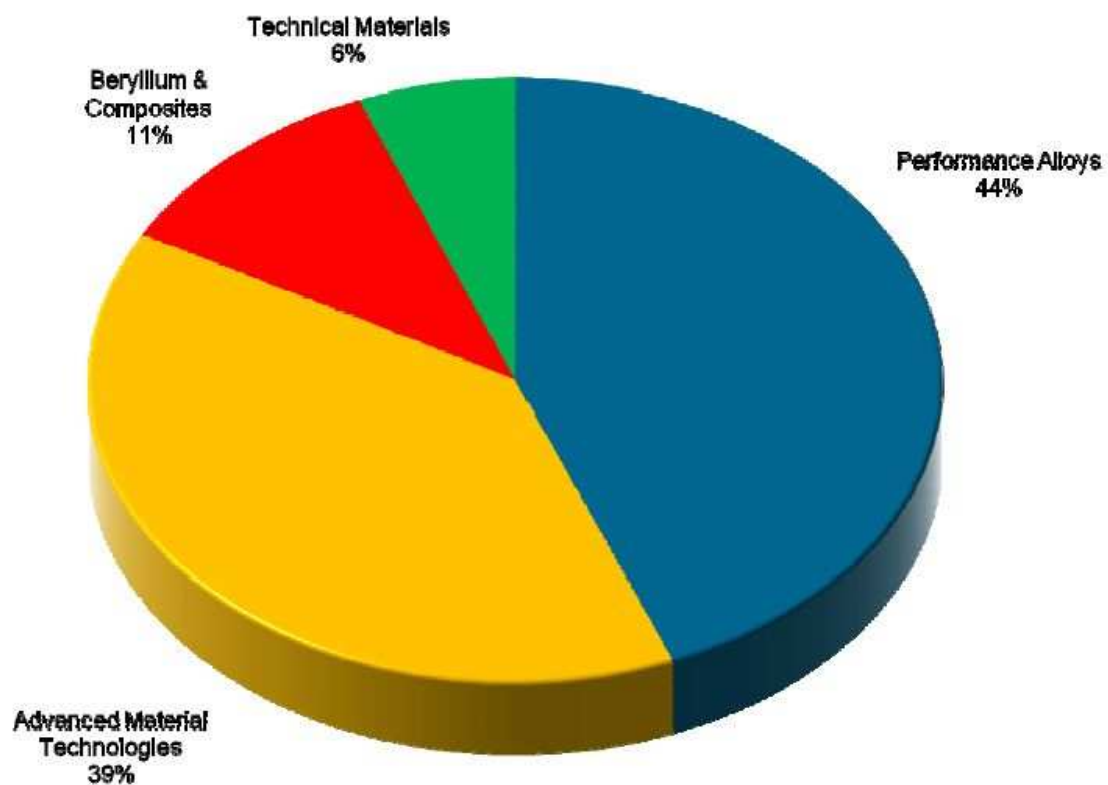


## Appendix

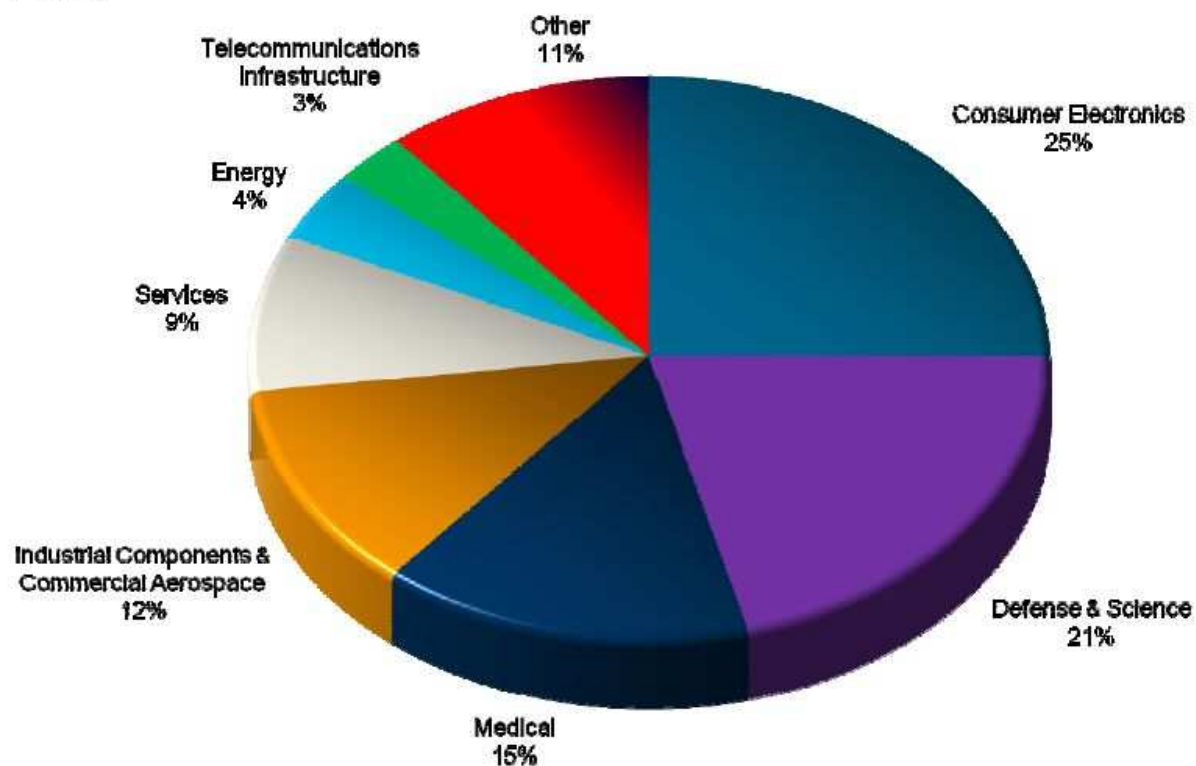
# Value Added Sales: By Segment



**Q1 2012**



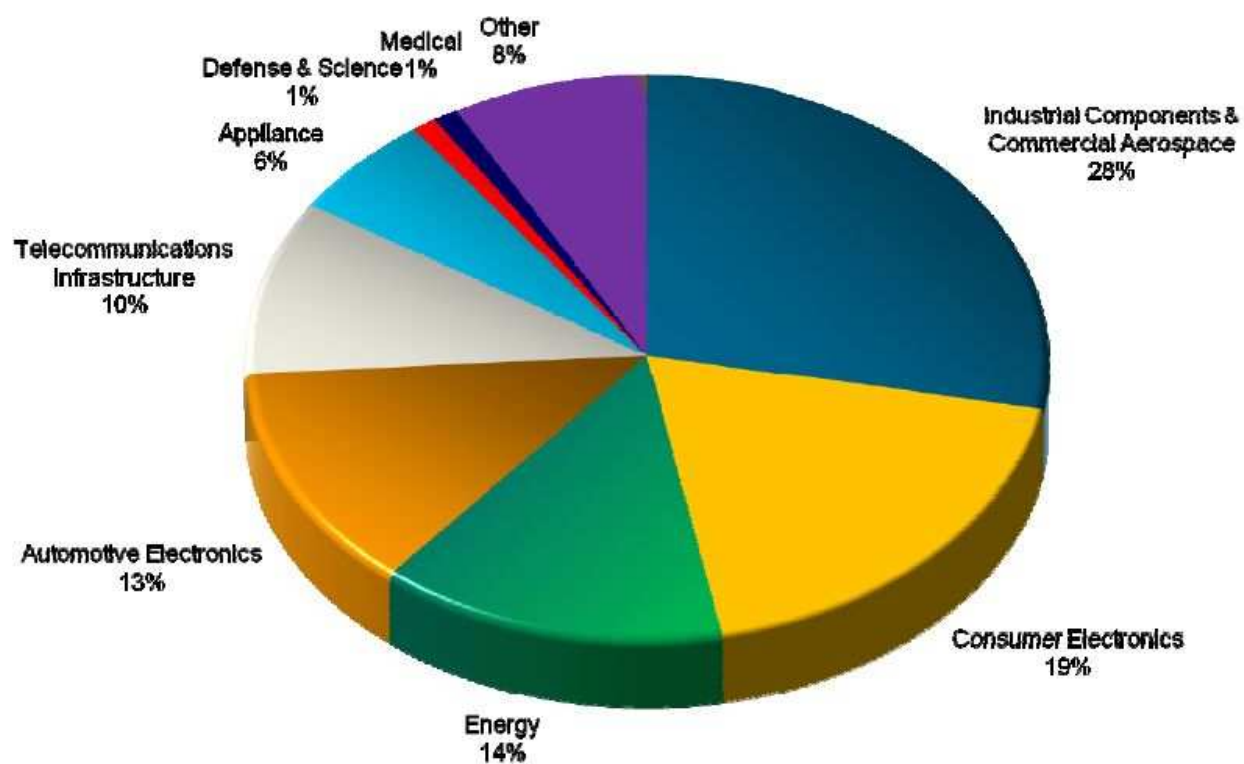
**Q1 2012**



# Value-Added Sales: Performance Alloys



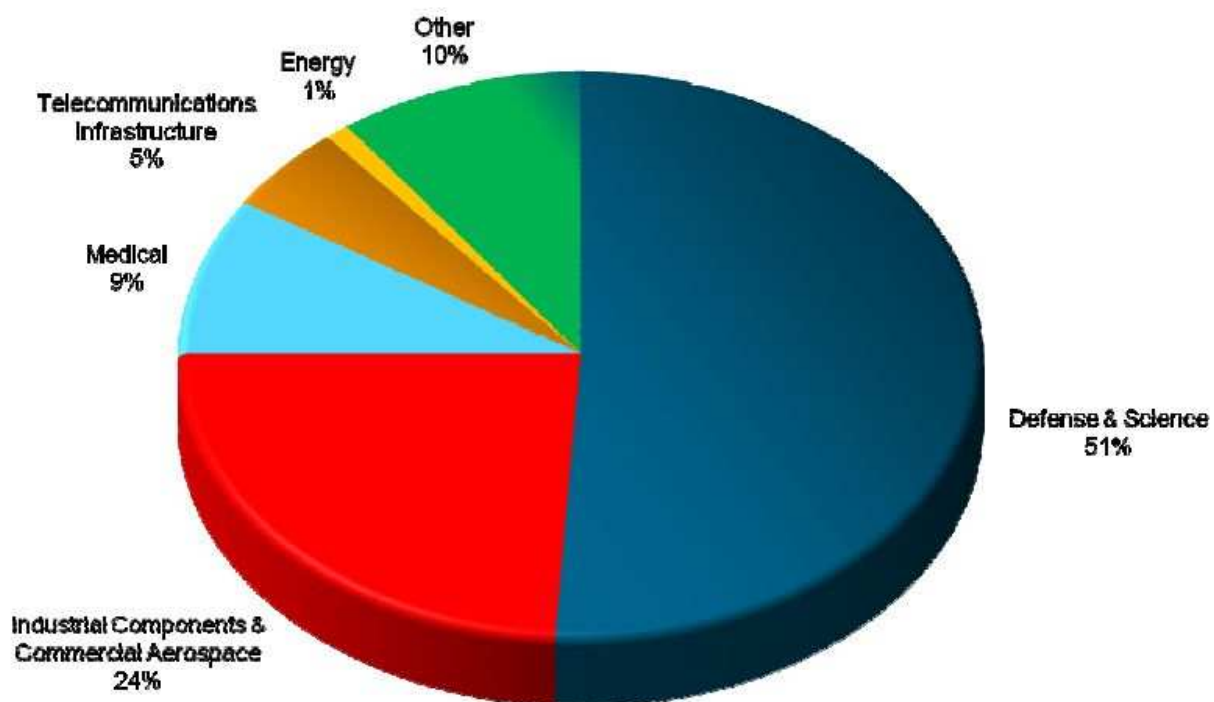
Q1 2012



# Value-Added Sales: Beryllium and Composites

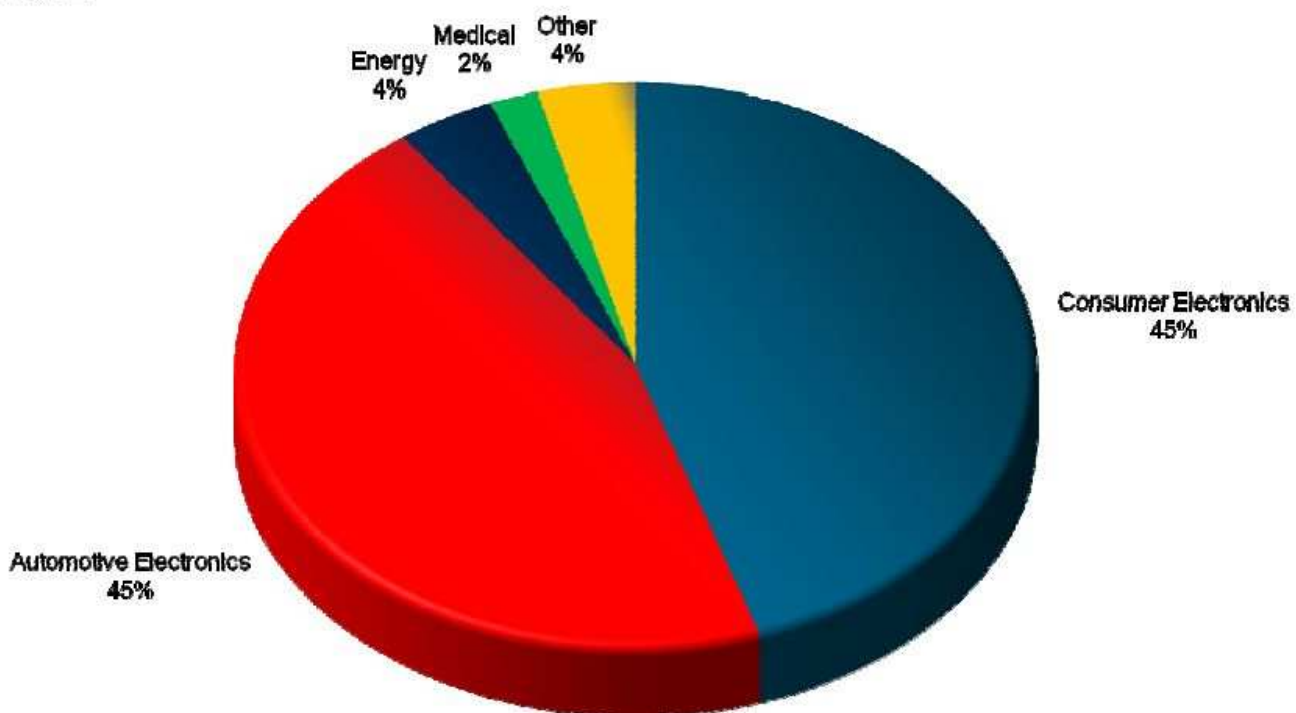


**Q1 2012**



# Value-Added Sales: Technical Materials

**Q1 2012**



## 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

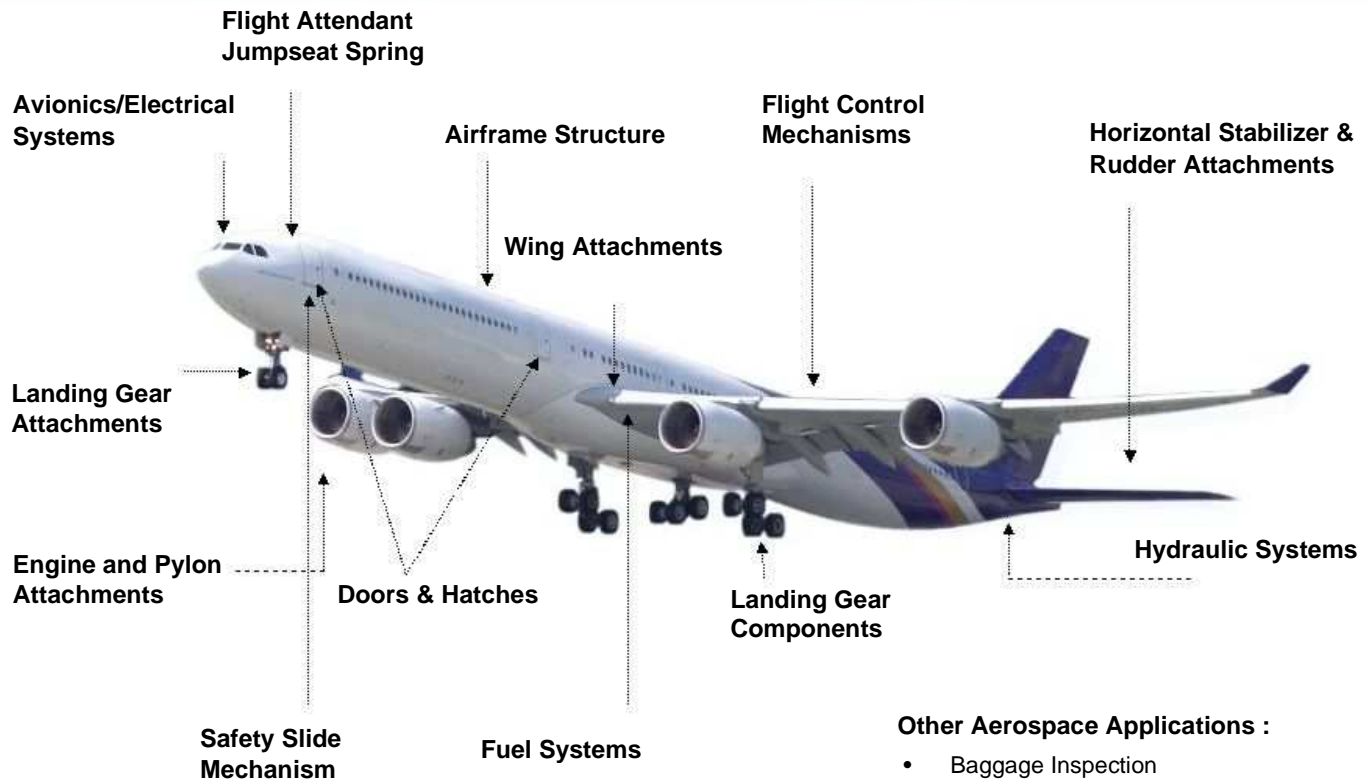
## Internal Electronics and LED

- 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



## Other Aerospace Applications :

- Baggage Inspection
- Nondestructive Evaluation (Cracked Component Detection)

## Wellhead Control Equipment

## Structural Rig Components



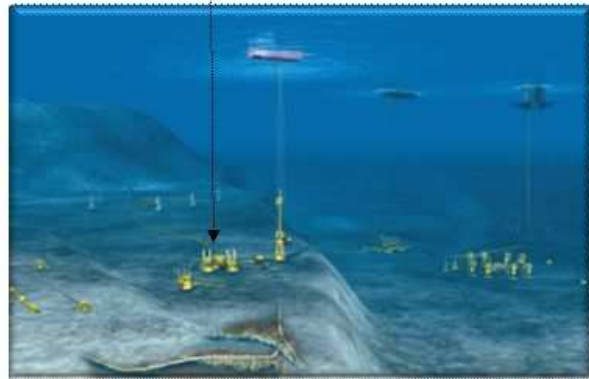
## Drill Bits

## 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: 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

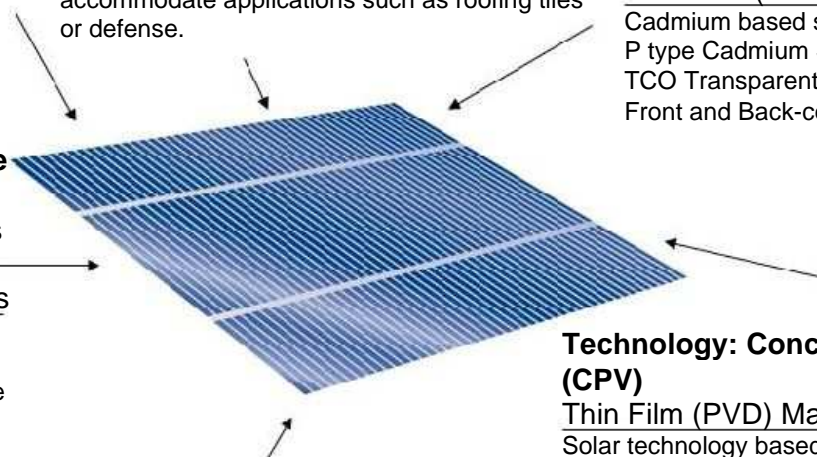
## **Technology: Concentrator Photovoltaic (CPV)**

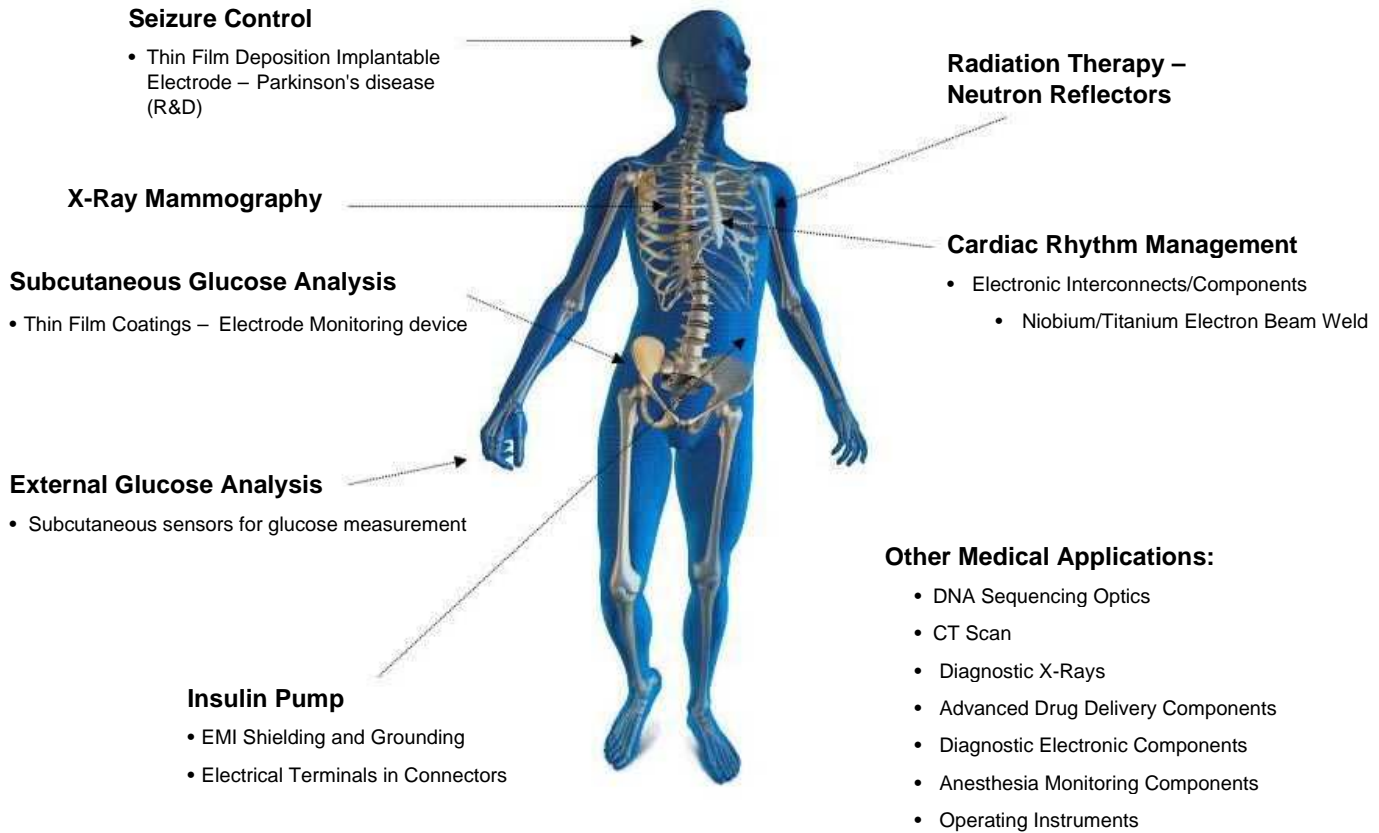
### Thin Film (PVD) Materials

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

### Micro Electronic Packaging Products:

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





## **Base Stations**

- Coaxial Connectors
- High Power Amplifiers

## **Local Area Networks**

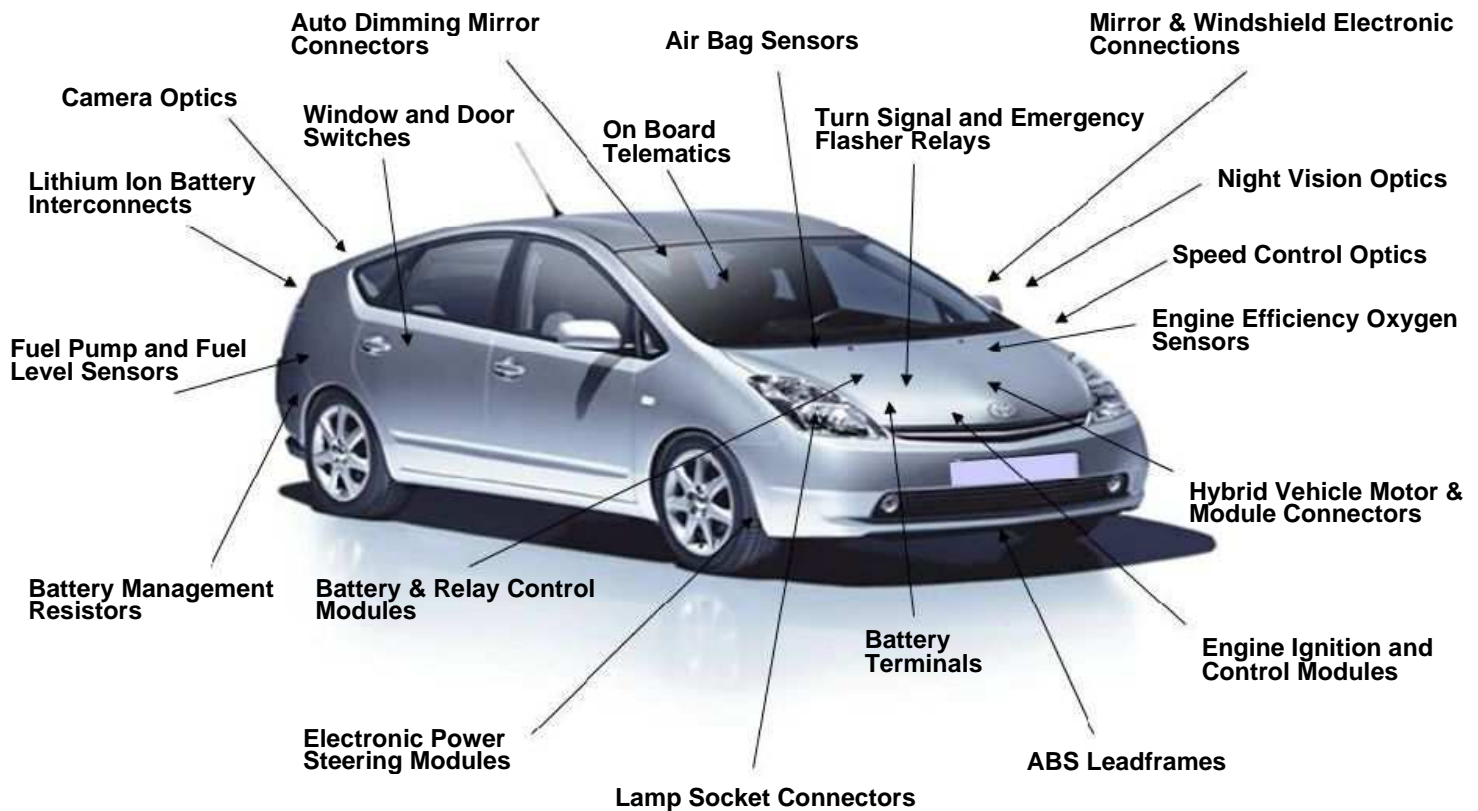
- Shielding
- Modular Jacks
- PCB Sockets
- Processor Sockets

## **Other Telecommunications Infrastructure Applications**

- Undersea Repeater Housings



# Applications: Automotive Electronics



- 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

