

Our Vision

3M Technology Advancing Every Company 3M Products Enhancing Every Home 3M Innovation Improving Every Life



A Century of Innovation

1921

3M patented and introduced Wetordry™ waterproof sandpaper -- the world's first water-resistant coated abrasive

1925

Scotch[™] masking tape introduced



1930

Scotch™ Cellulose tape introduced

1931

3M began producing Colorquartz[™] roofing granules



1939

First traffic sign featuring Scotchlite™ reflective sheeting erected in Minneapolis



1945

Scotch TM vinyl electrical tape introduced



1954

RCA used Scotch™ magnetic tape to record TV programs for the first



1960

1967

Scotch™ Brand Magic transparent tape introduced



3M developed the first disposable facemasks and respiratory protection products



1991

chlorofluorocarbons.

1995

1996

New products include flexible circuits

for electronic products and HFEs (hydrofluoroethers), replacing ozone

depleting chlorofluorocarbons

3M introduced the first metered dose

asthma inhaler, free of ozone depleting

3M introduced Scotchshield™ window film, shatter-resistant, heat-and cold resistant window protection.



1985

Academy of Motion Picture Arts and Sciences gave 3M a Scientific Engineering Award for magnetic film, improving audio capabilities of movie sound tracks



1980

3M introduced Post-it® Notes, greatly enhancing office communication



2000

3M introduced the Vikuiti™ brand for light management products that make electronic displays easier to read



2005

bottlenecks



3M[™] MPro pocket-sized projector for mobile presentations and sharing photos on the go



2010

3M™ Cubitron™ II using precision shaped abrasive granules creating the future of the abrasives industry



3M LED advanced light. most energy efficient,



3M developed Aluminum Conductor Composite Reinforced (ACCR) as a solution to thermally constrained transmission



2009



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2012

longest-lasting light bulb



1947

Scotch ™ magnetic

audiotape introduced

1952

Scotchlok™ electrical

Scotchkote™ insulation

connectors and

introduced

3M debuted its first surgical

drape

3M's first nonwoven productdecorative ribbon for gifts introduced















1969

3M products were used in the first moon walk on July 20. Astronaut Neil Armstrong left a footprint in the lunar dust in boots made from Fluorel™ synthetic rubber from 3M



Thinsulate™ thermal insulation introduced



3M Confidential

"Innovation is our biggest competitive advantage and the heart of 3M."

- Inge Thulin 2012
Chairman, President & CEO

Connecting Customers to Technology

1925







Two-tone cars were in demand ...

... but a clean paint line was very hard to achieve.

3Mer Dick Drew observed this dilemma in action while visiting customers to sell sandpaper ...



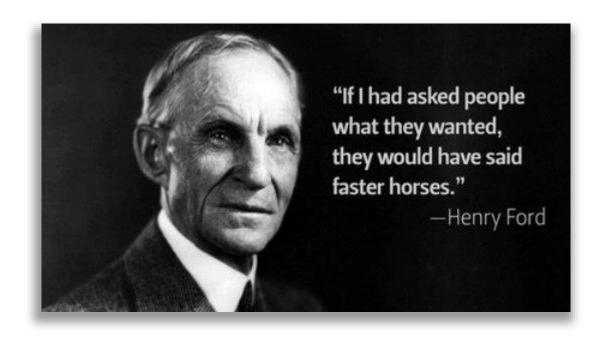
... and he remembered some stuff he'd seen in the laboratory...

... and went on to invent 3M Scotch Masking Tape



Customer Insights Drive Innovation

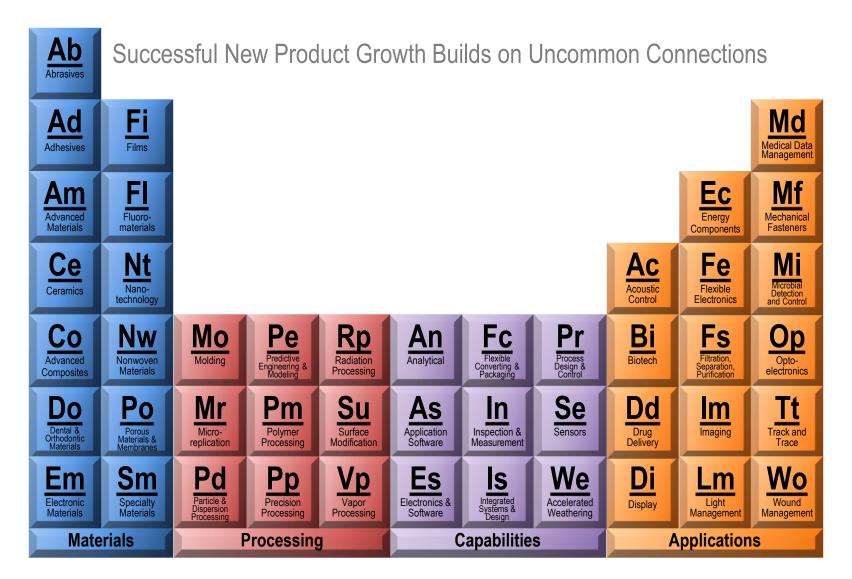
- Customers can be challenging to understand ...
 - They think within the context of what they know today
 - Simply asking people what they want (VOC) rarely yields important insights





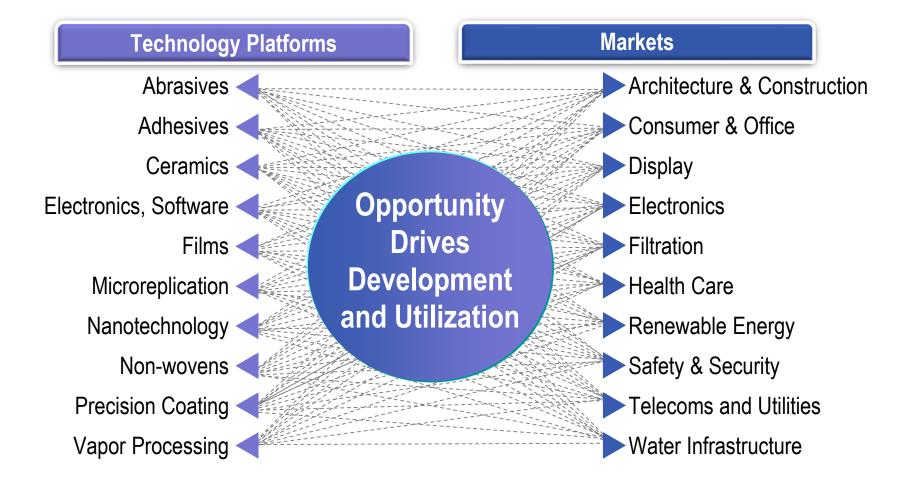


46 Core Technology Platforms





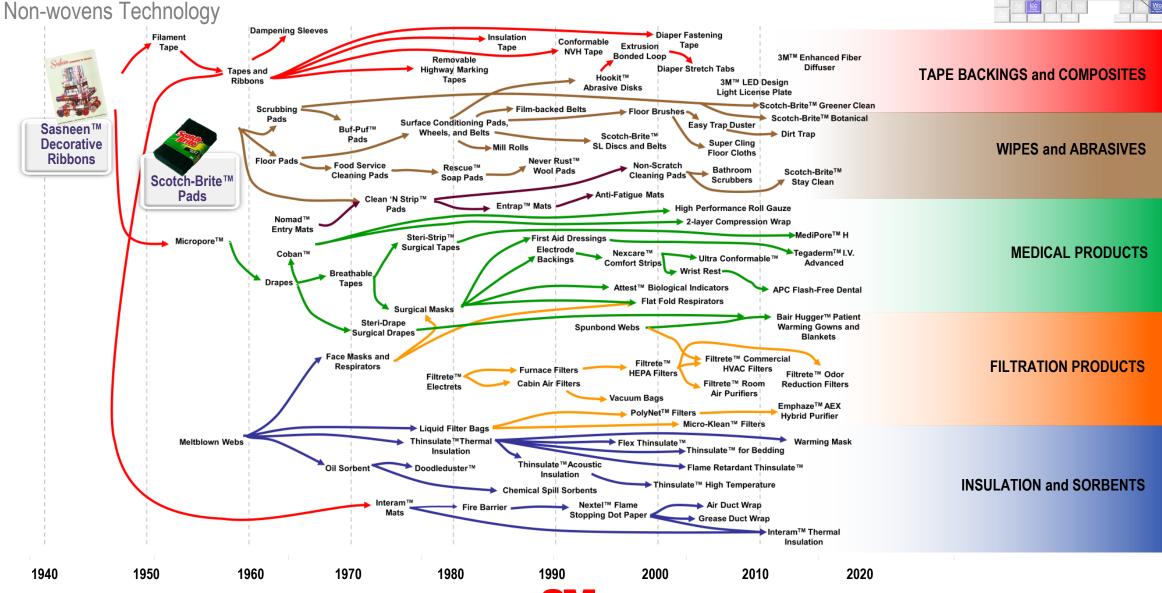
3M Innovation Model



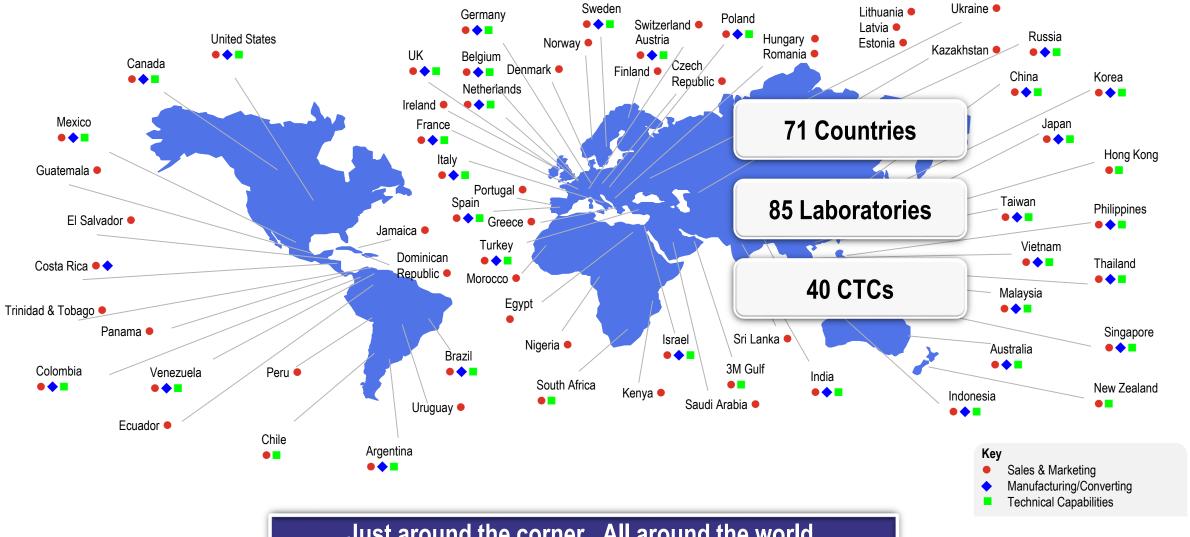


Product and Technology Migration





3M's Global Reach

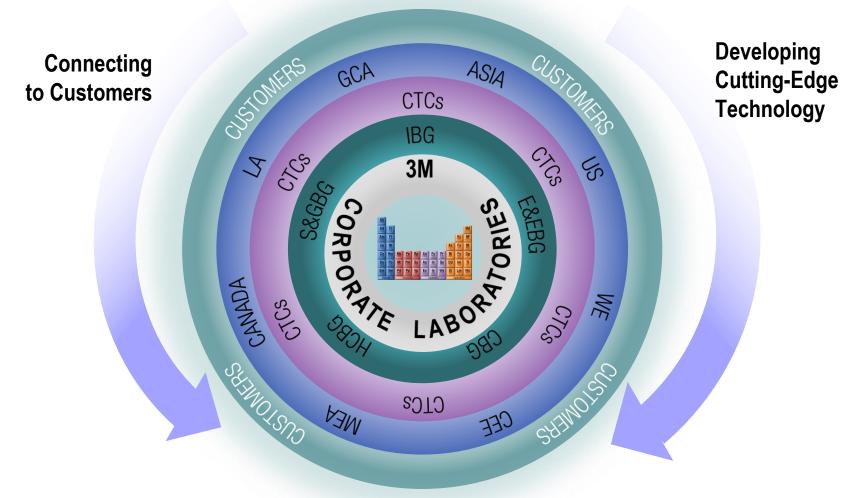


Just around the corner. All around the world.



Connecting Technology to Customers...

Anywhere and Everywhere

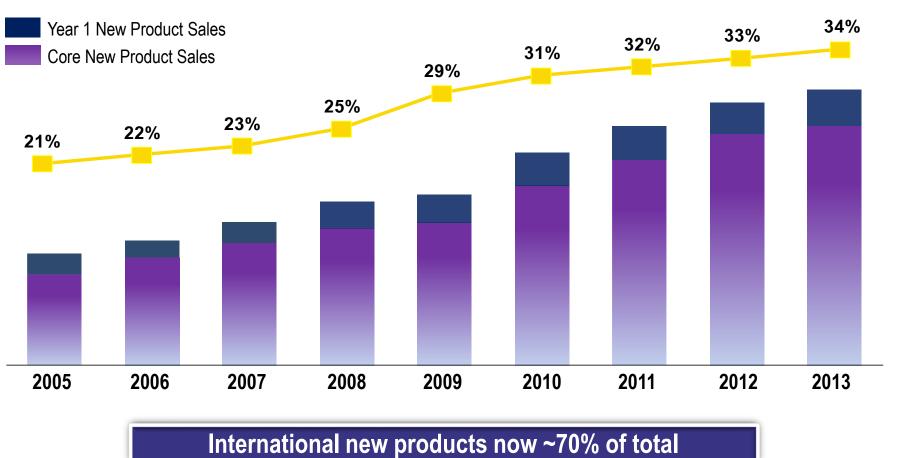


Driving Growth Through Innovation



New Product Sales as a Primary Business Metric

A new product is defined as being introduced within the past 5 years











Creating an Innovation Culture



As our business grows, it becomes increasingly necessary to delegate responsibility and to encourage men and women to exercise their initiative.

This requires considerable tolerance. Those men and women are going to want to do their jobs in their own way.

Management that is destructively critical when mistakes are made kills initiative. And it is essential that we have many people with initiative if we are to continue to grow.

William L. McKnight, 1948



Creating the space for Innovation

- It is a culture/philosophy not a time sheet measurement
- Enables employees to explore new technologies and/or new markets
 - Usually related to existing work
- Enables employees to leverage technical specialists
- Does not need management approval
- Teaches employees leadership and new skills
- Diversity in how employees utilize their 15% time



Display Protection Films



APC™ PLUS Color Change Adhesive



High Performance RFID Reader



Post-it® Notes



3M Scotchtint™ Auto Window Film



Structured
Abrasive Belts



Multilayer Optical Film



Transdermal Drug Delivery Adhesives



Post-it® Flag Highlighter

Many innovative 3M products were initially developed with 15% Time

A Connected Global Collaboration Community



11,000+ member "grass roots" technical organization

1,100+ Technical Forum Events Globally

3M's Annual Event – 3,300 participants

The Spring Technology Symposium

- 1,300 participants

Carlton Awards Symposium

- 500 participants

Inventor Recognition Ceremony

– 250 participants

Circle of Technical Excellence & Innovation

- 6,000 participants

Virtual Technology Information Exchange

- 1,700 participants

Hundreds of Chapter Events

 Sometimes as few as half dozen experts meeting on specialized topics such as dynamic molecular modeling



The Annual Event

Largest event; Everyone participates

"Internal 3M Trade Show"

Latest and greatest 3M technologies

Opportunities to help solve problems

Delivered electronically to Worldwide Labs





Innovation can be Planned, Purposeful and Global

