



Millipore History and Milestones

In 1954 Jack Bush started a filtration company that would grow from a handful of employees to a multinational Life Science corporation with 6,000 employees and annual sales of \$1.6 billion by 2008.

This fledgling firm would pioneer the use of membrane technology in hundreds of applications and through strategic acquisitions, substantial R&D investments, and international expansion, would broaden its technology and market base to become a leader in the Life Science industry

Bold Beginning

In the early 1950s, Lovell Chemical Company, a small, privately owned business near Boston, won a contract from the U.S. Army Chemical Corps to develop and manufacture membrane filtering devices and systems used to separate the molecular components of fluid samples.

When the membranes were declassified in 1953 and offered for commercial use, Jack Bush, a Lovell employee, bought the company's right to the technology for \$200,000 and established the Millipore Filter Company, which later changed its name to Millipore Corporation to reflect its growing range of products.

Global Growth

As the demand for separations technologies grew among researchers, medical schools and hospitals, as well as in the pharmaceutical, chemical, plastics, food-and-beverage, and microelectronics industries, Millipore aggressively pursued new markets around the world. Soon after its founding the company had established distributorships and sub-agencies in Canada, Greece, Italy, Spain, Portugal, England, Australia, Switzerland and The Netherlands.

By 1970, following the success of its distributorships, Millipore had established subsidiaries in seven countries. To meet growing demand for its worldwide products, the company also opened manufacturing plants in Jaffrey, New Hampshire; Molsheim, France; Cork, Ireland; and several other locations.

Expanded Capabilities

Since its founding, Millipore has continually expanded its core capabilities through strategic acquisitions, targeted capital investments, and organic growth.

Millipore's 2006 acquisition of Serologicals Corporation gave the company leading positions in several high-growth markets, including drug discovery products and services, antibodies, cell biology reagents and stem cell research. Millipore is now the only company providing both upstream cell culture and downstream separations offerings for biopharmaceutical production.

Life Science Leader

Under the leadership of Millipore Chairman and CEO Martin Madaus, who joined the company in January 2005, Millipore has transformed from filtration business to leading Life Science corporation. The company has completed several acquisitions, nearly doubled its annual revenues and further expanded its global operations.

Today, Millipore employs nearly 6,000 people, maintains subsidiaries or offices in more than 30 countries and a vast network of distributors and dealers in many more. It provides cutting-edge tools, technologies and services for bioscience research and biopharmaceutical manufacturing, and collaborates with customers around the world to confront challenging human health issues.

Major Milestones

1950s

- 1954: Jack Bush purchases rights to new membrane production process from Lovell Chemical Company.
- 1954: Millipore Filter Corporation is officially incorporated.
- 1955: Millipore receives its first patent -- for micro-porous nylon film.

1960s

- 1964: Millipore establishes its first subsidiary, in France.
- 1967: Millipore introduces the Super-Q water purification system.
- 1967: Millipore establishes a subsidiary in Germany.
- 1968: Millipore establishes a subsidiary in Japan.
- 1968: Millipore introduces its Pellicon cassette product, for purifying biotherapeutics.

1970s

- 1971: Millipore introduces the Millex syringe filter -- the first disposable syringe filter.
- 1972: Millipore establishes a subsidiary in Spain.
- 1972: Millipore opens a manufacturing plant in Jaffrey, New Hampshire.
- 1973: Millipore starts manufacturing in Molsheim, France.
- 1973: Millipore introduces the Milli-Q water purification system, the world's first lab-scale ultra pure water system.
- 1978: Millipore reaches the \$100 million revenue milestone.
- 1978: Millipore opens a manufacturing plant in Danvers, Massachusetts.
- 1979: Millipore acquires Waters Associates Inc. a producer of chromatographic media and HPLC instrumentation.

1980s

- 1980: Millipore introduces its low-protein binding Durapore membrane.
- 1987: Millipore is listed on the New York Stock Exchange.
- 1987: Millipore reaches the \$500 million revenue milestone.
- 1988: Millipore opens a manufacturing plant in Cork, Ireland.

1990s

- 1994: Millipore divests its Waters Chromatography Division and focuses on its membrane business.
- 1996: Millipore acquires the Amicon separation sciences business from W.R. Grace and Co.
- 1997: Millipore acquires Tylan General, expanding its gas purification offerings for the microelectronics industry.
- 1999: Millipore acquires Bioprocessing Limited, a developer and manufacturer of chromatography.

2000s

- 2001: Millipore spins off its microelectronics business (Mykrolis).
- 2002: Millipore opens its Biopharmaceutical Technology Center in Billerica, Massachusetts – an innovative, customer-focused facility.
- 2002: Millipore expands its facility in Danvers, Massachusetts.
- 2004: Millipore breaks ground on a new European headquarters facility in Molsheim, France.
- 2005: Millipore acquires MicroSafe, a European contract testing laboratory.
- 2005: Millipore acquires NovAseptic, a worldwide supplier of aseptically designed components for biotech and pharmaceutical production.
- 2005: Millipore forms an alliance with Gen-Probe to develop, manufacture and commercialize products for rapid microbiological and virus monitoring.
- 2006: Millipore acquires Newport Bio Systems, a maker of process containers and systems used in biopharmaceutical production.
- 2006: Millipore acquires Serologicals Corporation (which includes the companies Chemicon, Upstate, Linco, and Celliance), expanding its drug discovery and development footprint.
- 2006: Millipore opens a new Research and Development Center in Bedford, Massachusetts.
- 2006: Millipore reaches the \$1 billion revenue milestone.
- 2007: Millipore launches its new brand, signifying the company's transformation as a Life Science leader.
- 2008: Millipore launches a global Sustainability Initiative with a goal of reducing the company's carbon footprint by 20 percent over five years.
- 2008: Millipore unveils a major expansion of its Drug Discovery and Development facility in St. Charles, Missouri.
- 2008: Millipore opens a new membrane casting manufacturing facility in Carrigtwohill, County Cork, Ireland.
- 2009: Millipore acquires Guava Technologies, a leading provider of bench top cell analysis systems.
- 2009: Millipore opens a state-of-the-art Biomanufacturing Sciences and Training Center in Singapore.
- 2009: Millipore opens new bioprocess manufacturing facility in Danvers, Massachusetts.
- 2009: Millipore acquires BioAnaLab, a European-based firm specializing in the analysis of biologic drugs and vaccines.



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Media Contact:
Karen Marinella Hall
Director,
Corporate Communications
978 - 715 - 1567
karen_hall@millipore.com