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Scott Specialty Gases

Headquarters—Plumsteadville, Pennsylvania U.S.A.; Breda, the Netherlands
Regional Operations
Distributors / Agents
Scott Specialty Gases is an international producer and supplier of specialty gas products, equipment and related information services. With manufacturing facilities strategically positioned throughout the United States and in Europe, the company serves customers worldwide with mixed and pure specialty gases. Scott manufactures a broad range of specialty gases including high-purity research gases, EPA protocol gases, calibration standards, application specific gas mixtures, custom gas mixtures, electronic gases and medical gases. Scott also offers its customers a diverse line of gas handling equipment, gas delivery systems, and high-pressure, nonrefillable compressed gas cylinders. All Scott products can be purchased online at www.scottgas.com.

The company is comprised of numerous operating groups:

 Playstation Gases—leading global producer of specialty gases and the equipment, distribution systems and accessories used with these gases.

 PlayStation Semiconductor Materials—supplier of high-purity electronic gases and equipment for semiconductor manufacturing and other electronic applications.

 PlayStation Medical Products—FDA-approved manufacturer of medical diagnostic gases, active pharmaceutical ingredients and related gas handling equipment for the health care industry.

 PlayStation Advanced Specialty Gas Equipment—provider of gas handling equipment to industrial gas distributors.

 PlayStation High Pressure Technology—manufacturer of high-pressure refillable and non-refillable compressed gas cylinders.
Locations
Scott’s Corporate Headquarters are located in Plumsteadville, Pennsylvania, a suburb of Philadelphia. This campus houses corporate staff groups including Administration/Financial Services, Research and Development, Technical Services, e-Commerce, Management Information Services, Marketing, and Executive Management. Operations of the Medical Products Group, Scott High Pressure Technology and the Specialty Gas Eastern Region are also headquartered at this location.

Scott also has sales, manufacturing and laboratory facilities in Fremont, California (San Francisco area); San Bernardino, California (Los Angeles area); Longmont, Colorado (Denver area); Troy, Michigan (Detroit area); South Plainfield, New Jersey (North Jersey area); and Pasadena, Texas (Houston area). In addition, Scott maintains numerous other sales and stocking locations throughout the United States.

The company’s European Headquarters are based in Breda, the Netherlands, and include sales, manufacturing and laboratory facilities. A second facility in Shefford, United Kingdom, serves the United Kingdom market with specialty gas products and equipment.
The origin of Scott Specialty Gases is rooted in atmospheric monitoring. In the late 1950’s, Scott's founder, William E. Scott, was studying atmospheric photochemical reactions at the Franklin Institute Research Laboratories in Philadelphia. His team made important contributions to this field including the isolation and identification of peroxyacetylnitrate (PAN), a powerful eye irritant and plant toxicant.

Mr. Scott formed a company to continue this and other air pollution related studies in his barn on Elephant Road in Bedminster Township, Pennsylvania when the Institute discontinued their studies. The company, incorporated in 1960, was named Scott Research Laboratories, Inc. In 1974, the name was changed to Scott Environmental Technology, Inc. The company's environmental services business was spun off into a separate company in 1989, and continued operations as Scott Environmental Technology, Inc. At that time, the name Scott Specialty Gases, Inc. was adopted.

**The Eastern Region**

During the period of 1961–1965, Scott was primarily oriented to research and testing. The Eastern Region of Scott was involved in extended environmental studies on diverse subjects such as diesel odor and eye irritation, aerosol formation in photochemical systems, home oil burner emissions, and atmosphere evaluations in New York's Lincoln Tunnel. Such projects provided Scott's staff with the background and expertise to address a broad range of air pollution problems for government and industry.

Because Scott was heavily involved in gas analysis, Scott scientists saw the need for reliable calibration gases. Scott's initial venture into the specialty gas business was unsuccessful. The product was peroxyacetylnitrate (PAN). Scott produced, purified, and sold this product at concentrations of 1000 ppm in stainless steel cylinders for research purposes. PAN, however, is highly unstable in the liquid state and because of this, Scott discontinued its production.

Scott's second attempt at entry into the specialty gas market was more successful and led to Scott's current position of leadership in the specialty gas industry. The DuPont Company had been having a problem involving the discoloration of their spandex yarns when exposed to smog-laden atmospheres, specifically when garments made of this material were on display in stores. DuPont needed a means of creating accelerated rates of discoloration that correlated with actual Los Angeles smog exposure. They turned to Scott for help.

Scott demonstrated that a simulated smog atmosphere produced by irradiation of pollutant mixtures provided an excellent correlation. Scott then designed and manufactured the Scott Controlled Atmosphere Tester (SCAT), delivered it to DuPont, and recommended that DuPont purchase the necessary gases for the system from a specialty gas supplier.
Scott found itself in the same position as many instrument manufacturers. The SCAT did not perform properly for DuPont. Scott determined the problem was due to a contaminated NO₂ gas mixture and showed DuPont how to analyze incoming cylinders for acceptable contents. Some months later, the gas supplier refused to continue to deliver any more cylinders of gas to DuPont due to their rejection rate. The question from DuPont became, “Now what do we do?” There seemed to be only one answer: Scott could supply the necessary gases. Scott had also been experiencing difficulty finding reliable calibration gases for its own environmental studies, and had been routinely preparing calibration mixtures in stainless steel cylinders. Using this knowledge and experience, Scott purchased fifty “A” size cylinders, set up a manifold system, and began producing highly accurate gas mixtures in high-pressure cylinders. Thus began Scott’s specialty gas business.

In these early days, Scott was often asked to deliver complex mixtures that were difficult for clients to obtain from other suppliers. Scott’s ability to do precise trace analyses and meet their difficult requirements led to the growth of Scott’s reputation and business volume.

As Scott’s specialty gas business grew, the old barn was no longer able to accommodate operational demands. In 1968, Scott constructed a new building on Route 611 in Plumsteadville, PA. Today, there are five buildings on the campus, housing Specialty Gases Corporate offices, Medical Products, High Pressure Technology, Research and Development, and Scott’s Eastern Regional manufacturing facility.

The Western Region
In 1961, Scott purchased its San Bernardino facility from the Ethyl Corporation and converted this fuels research laboratory into an automotive emissions test facility. During the early days of the Western Region (1961–1965), it was primarily involved with automotive emissions testing. A large amount of work was being done by companies developing catalysts to meet California’s proposed auto emissions standards, and Scott obtained a major share of the testing work.

As was the case in the Eastern Region, Scott and many clients had difficulty finding accurate calibration standards. The available hexane standards used for automotive emissions testing were not reliable, and Scott was frequently asked to re-analyze these mixtures for its clients. It was logical for Scott to make and sell reliable hexane standards rather than re-analyze those made by other gas suppliers. The business quickly spread to the production of all gases needed for automotive exhaust measurements.
In 1974, Scott entered into an acquisition agreement with Olson Laboratories who were also involved nationally in auto emissions testing and specialty gas manufacturing. Scott purchased Olson’s specialty gas business and sold its vehicle emissions testing business to Olson.

**The Midwest Region**

Encouraged by San Bernardino’s success in vehicle emissions testing, Scott decided to capitalize on its expertise in this area by expanding to the Detroit area. A Scott facility was established in Madison Heights, Michigan in 1967. It became clear there was a greater need in the Detroit area for high quality gas standards than for an automotive emissions testing laboratory. This location quickly became the gas supplier for major automobile manufacturers and related industries.

The Scott Midwest team recognized their customers’ need for batches of cylinders with identical gas compositions at specified concentration levels. Scott developed a new gas blending method to meet this need. The process required considerable investment in equipment and developmental research. When Scott was satisfied that it could deliver the desired product, the process was patented under the name Acublend®. The use of this technology was a boon to Scott’s specialty gas business as the name Acublend became synonymous with high quality gas blended to specified concentrations. Acublend systems were installed at all Scott facilities. In 1978, the Midwest facility was moved to a new plant built by Scott in Troy, Michigan. It was expanded in 1991 to meet increasing production demands.

Scott’s reputation for high quality gases for automotive emission measurement spread throughout the world. By the early 1970’s, Scott was supplying gases to many of the European and Japanese auto manufacturers for use as primary calibration standards. Scott was recognized as the leader in standards for emissions measurement and other gases were referenced to Scott standards. Today, Scott continues to be the largest supplier worldwide of specialty gases to the automotive industry and the environmental monitoring industry in general.
In 1964, Scott began selling gas mixtures in low-pressure nonrefillable containers. These cylinders were of great benefit to those performing gas chromatography and other analyses requiring small volumes of gas. The cylinders were soon distributed around the world – and the SCOTTY® transportable product line was born.

At approximately the same time, Scott recognized the need for a worldwide cross-reference service so that all measurements in the U.S. and abroad could be compared to a common standard value. In this service, Scott furnishes identical gas mixtures to each subscriber on a quarterly basis, specifying the components to be analyzed in the unknown. The subscriber analyzes the unknown and reports a concentration value for each component. Scott subjects the total data base to statistical analysis and sends the data reports to each subscriber. Starting with a single service in 1964 (simulated auto exhaust), Scott’s Global Cross Reference™ Service activity has grown to eight regular services with as many as fifty participating companies and organizations in the most popular services. Scott’s facilities also participate in this service on a quarterly basis. Awards of recognition are given to the Scott laboratories producing the most accurate cross-reference data.

From 1965 through 1975, Scott was involved in the instrument and instrument system business. First in San Bernardino, and after 1970 in Plumsteadville, Scott designed and built instrument systems for measuring emissions from automotive and other exhaust sources. Scott also developed its own hydrocarbon analyzers (FID) and chemiluminescent NOx analyzers. Large laboratory trailers were designed and built for General Motors (ambient measurements) and VW of North America (auto exhaust).
The Southwest Region

As Scott expanded its specialty gas operations, the company opened a fourth facility in 1983 in the Houston, Texas area. With the opening of this facility, Scott became better able to serve the needs of its customers in the Southwest. Since much of industry in the area is petroleum and petrochemical related, there was a pressing requirement for high accuracy hydrocarbon standards – both gaseous and liquid. Utilizing the expertise of its staff, Scott’s Texas facility quickly became one of the leading producers of highly reliable hydrocarbon mixtures in the United States.

This facility increased its position of leadership when, in 1999, Scott acquired the chromatographic blend business from Phillips Chemical Company, a division of Phillips Petroleum. The acquisition gave Scott’s Texas facility the exclusive rights to produce proprietary calibration standards that include GPA natural gas blends, hydrocarbon mixtures, ASTM blends and custom synthetic mixtures.

The Medical Products Group

In 1980, Scott acquired the medical gas operation, Gardner Cryogenics, from Air Products and Chemicals, and moved the production equipment from Cherry Hill, New Jersey to Plumsteadville. Initial products consisted of blood gas standards in nonrefillable ‘E’ cylinders and instrument grade propane for flame photometry in small 400g ‘PD’ cylinders.

As business progressed, Scott recognized the opportunity to become a leader in the field of medical diagnostic gases. In 1984, the medical business was separated from the Specialty Gas Division and established as the Medical Products Group. In 1986, the first Scott Medical Products catalog was published and included hundreds of products that had been added to Scott’s product line. New products are developed continuously to accommodate a variety of emerging medical diagnostic applications. Today, Scott products include anesthesia standards, pulmonary function gases, respiratory monitor standards, surgical support gases, ophthalmic gases, nitric oxide calibration gases, and laser gases. Scott also manufactures and distributes Active Pharmaceutical Ingredients (API’s) for many leading pharmaceutical companies worldwide.

Scott Medical Products sells products to medical device manufacturers for international resale to their hospital customers, and also sells products directly to healthcare and research facilities as well as to pharmaceutical companies. Scott Medical Products is registered with the U.S. Food and Drug Administration as a device and drug establishment.
SGP Acquisition
In 1986, Scott acquired the business and assets of Scientific Gas Products (SGP), a division of Ashland Chemical Company. Like Scott, SGP was recognized for supplying reliable specialty and medical gases, as well as gas handling equipment. SGP added to Scott expertise in producing certain gas mixtures, including those used in the manufacture of semiconductors.

Recognized for its advanced engineering of semiconductor products, SGP had been one of the first manufacturers of high-purity semiconductor gases, most notably 10,000 ohm silane. They also designed storage cabinets and purge systems to safely deliver gases to the semiconductor process without contamination. They had pioneered the two-point dilution system and had developed a passivation process which, in combination with advanced system components, provided the cleanest gas storage cabinet control system in the industry.

The acquisition of SGP added three specialty gas manufacturing locations: Fremont, California; Longmont, Colorado; and South Plainfield, New Jersey. It has been important to Scott’s long-term growth and leadership position in the specialty gas industry.

Scott High Pressure Technology
Recognizing the role of nonrefillable cylinders in a variety of industries, Scott acquired the high pressure compressed gas cylinder business of Amtrol, Inc. in 1991. Scott remains one of the largest producers of high-pressure nonrefillable cylinders, with service pressures of up to 2200 psig (152 bar) and height ranges from six inches (152 mm). High-pressure refillable cylinders are also produced by Scott High Pressure Technology.
Advanced Specialty Gas Equipment Corporation
Advanced Specialty Gas Equipment Corporation was acquired in 1992 from Union Carbide Industrial Gases. ASGE supplies specialty gas equipment products globally to industrial gas distributors. The addition of this equipment business added depth to the already comprehensive product line of gas handling equipment supplied by Scott Specialty Gases and expanded Scott’s channels of distribution.

Scott Specialty Gases B.V.
Focusing on global expansion, Scott established a European Headquarters in 1992 through the acquisition of Intermar B.V. from the Solvay Group, a major chemical and pharmaceutical company. Located in Breda, the Netherlands, the company was renamed Scott Specialty Gases B.V. and now services the European, Near Eastern and Middle Eastern markets. Scott increased its industry presence in the United Kingdom in 2000 by acquiring Intergas, a British manufacturer of specialty gases. A seconded facility was added in Shefford, United Kingdom, to support an expanding customer base in the U.K.

Scott Semiconductor Materials
Scott plays an important role in helping customers achieve increasingly more difficult technological advances in the semiconductor industry. Scott Semiconductor Materials is a separate operating group of Scott Specialty Gases that supplies ultra-pure gases, specialized gas mixtures and equipment for semiconductor manufacturing and other semiconductor applications. While the group focuses on North America (Silicon Valley and New England) and Asia, it distributes etchant products worldwide.
Research and Development

Recognizing ever increasing needs for new products and technology, Scott established a formal Research and Development (R&D) Department in 1979. It has been instrumental in the growth of Scott’s business and has kept Scott on the cutting edge of specialty gas technology. The R&D Department also includes the engineering and quality assurance organizations.

In the early 1970’s, Scott developed “golden” gas standards for the automotive industry. Subsequently, Scott’s R&D Department worked with such groups as the Environmental Protection Agency, National Institute of Standards and Technology (NIST), and Research Triangle Institute developing protocol gases and Certified Reference Materials. Scott continues to expand it’s international influence and reputation by continued partnering with NIST, as well as with leading European metrology institutes such as the Netherlands Measurement Institute (NMi).

Especially significant developments by the R&D Department include MICROGRAV® and Aculife®. MICROGRAV is used to prepare gas mixtures containing components at parts-per-trillion (ppt) levels by highly accurate gravimetric techniques. Scott is the only supplier of gravimetric ppt standards. In order to maintain the integrity of these gas standards, R&D developed Scott’s proprietary Aculife processes, a series of cylinder inerting treatments that minimize chemical interaction between gases and cylinder interior walls, results in enhanced stability for many low concentration gas mixtures.

Other significant developments by Scott’s R&D Department include Interference-Free™ multi-component protocol gases, ContinuPure® CO₂ delivery systems, Supercritical Fluids, 0.5 to 1.0 ppm low nitric oxide EPA protocol gases, and Title V Ammonia standards.

Corporate Marketing

The Corporate Marketing Group works to define needs for specialty gases and materials in a wide range of industries and to develop effective marketing programs. Marketing managers within the group work with sales and operations personnel to continuously improve and expand the offering of Scott products and services to satisfy the needs of our customers.
**Administration/Financial Support Group**

Encompassed within this group are the company's support activities, including the management information systems group, the accounting/financial services organization, and the cylinder management staff. These administrative responsibilities support the activities of the Operating Groups and are key to the company's ability to function smoothly.

**Technical Services Group**

Scott established a formal Technical Services Group in 2000 which customers may call 800-21-SCOTT toll-free to speak directly with a specialty gas engineer for fast answers to technical questions. Scott's Technical Services Group helps customers improve profitability with recommendations of products that will meet application requirements most cost-effectively. The Technical Services Group also provides same-day quotations for custom products.

**Scotttgas.com**

Scott pioneered the use of Internet technology in 1995 by introducing the Worldwide Web's first supersite for specialty gases and related equipment. Today, scotttgas.com offers more helpful services and information than any other similar web site. Customers find easy online purchasing of all of Scott’s products to reduce the cost of purchasing by over 80%, as well as technical and safety information, online Certificates of Accuracy and MSDS documentation.

**eScott® Online Supply Chain Management**

eScott is a unique Internet-based Information Management System for cylinder specialty gases and equipment. It streamlines the ordering process by allowing electronic ordering from a custom FOLIO™ of products and allows customers to access cylinder management reports and other critical information that can be tailored to meet individual operational requirements. Scott customers use eScott to access large archives detailing historical transactions that are invaluable for efficient cylinder inventory control. Automatic cylinder expiration notification eliminates regulatory noncompliance and process control errors while electronic reordering and invoicing eliminates paperwork errors and reduces the cost of purchasing. Online Certificates of Accuracy and MSDS documentation ensure accuracy, safety and regulatory compliance. Online pressure, usage and location information simplifies records keeping and also helps with regulatory compliance.
SCOTT SPECIALTY GASES

SCOTT ACCOMPLISHMENTS

- Worldwide reputation for producing highly accurate, complex gas mixtures and high-purity pure gases.

- World's largest supplier of EPA protocol gases for environmental measurements.

- In 1997, Scott introduced the world's most extensive portfolio of gas and liquid mixtures consisting of ten distinct product classes designed for a diverse range of application requirements.

- In 1995, introduced the specialty gas industry's first Internet web site offering online purchasing of gases and related equipment, online Certificates of Accuracy and MSDS documentation, and powerful e-tools that enable customers to reduce the cost of using specialty gases.

- In 1997, introduced eScott®, the world's first online supply chain management system that empowers customers to reduce purchasing costs, minimize on-site cylinder inventory and comply with environmental regulations.

- Partnered with the National Institute of Standards and Technology (NIST) to develop and manufacture 0.5 ppm and 1.0 ppm nitric oxide (Low NO) Standard Reference Materials (SRMs), the first Low NO SRMs to be commercially available.

- In 2002, introduced eScott Environmental Compliance Assurance to help acid rain utilities and other Scott customers more easily comply with environmental monitoring regulations as specified in the Federal Register.

- Notable achievements of Scott Specialty Gases, BV include:

  - Honored in 2000 by the European Industrial Gas Association (EIGA) by receiving the association's SILVER SERVICE AWARD for ten consecutive years of manufacturing specialty gases without a lost-time accident.

  - Established a partnership in 2001 with the Netherlands Measurement Institute (NMi) to supply and distribute Primary Reference Standards (PRMs).

  - Significantly increased industry presence in the United Kingdom in 2000 by acquiring Intergas, a British manufacturer of specialty gases.

  - The leading source of chemically inert cylinders through the supply of Aculife® treated cylinders to nearly a dozen national metrology institutes throughout the world.
Notable achievements of Scott’s Medical Products Group include:

- Largest supplier of medical diagnostic gases to the healthcare industry.
- Produces the only intraocular retinal stabilizing gas product regulated by the FDA as a Class III device for use by surgeons while performing eye surgery.
- Using unique cylinder treatment concepts and custom product designs, produces calibration gases for an instrument that delivers a novel pulmonary therapy for the treatment of pulmonary hypertension of newborns (PPHN).
- Produces a cryogenic gas and delivery canister for numbing the epidermis prior to cosmetic laser procedures.
- Sole supplier of Blood Gas Standards to the National Institute of Standards and Technology (NIST), which were issued by NIST as the first gaseous Standard Reference Materials for the healthcare industry.
- Winner of the Leonard Poole Safety Award in 2001, 1998 and 1988 as a result of outstanding safety achievement and continuing emphasis and support for safety training programs.
- Acquired the chromatographic blend business in 1999 from Phillips Chemical Company, a division of Phillips Petroleum Company, gaining the rights to produce calibration standards that include GPA natural gas liquid blends, hydrocarbon mixtures, ASTM blends and custom synthetic mixtures.
- Scott Semiconductor Materials introduced exclusive 99.9999% pure hydrogen bromide (Sigma 6 HBr) enabling the manufacture of faster, more powerful semiconductors.
- Largest supplier worldwide of specialty gases to the automotive industry, provided reliable gas standards before the existence of Standard Reference Materials (SRM’s) through the National Institute of Standards and Technology (NIST).
- Assisted the U.S. Environmental Protection Agency (EPA) in defining procedures on analytical accuracy for automotive emissions Inspection and Maintenance (I/M) protocol gas standards.
- Supplier of calibration standards and cross reference services to safeguard contaminant-free supply of CO₂ to the worldwide beverage industry.
Supplier of world standards for the measurement of carbon dioxide in the atmosphere and supplier of Aculife® treated cylinders to the National Oceanic and Atmospheric Administration (NOAA) for high-altitude atmospheric sampling.

Key supplier of hydrocarbon mixtures to the petrochemical industry and producer of Acuphase® liquid mixtures, involving use of a piston cylinder for liquid hydrocarbon mixtures.

Leading producer of MICROGRAV® ppb and ppt gas mixtures and Supercritical Fluids for chromatographic applications.

Inventor of Acublend® dynamic gas mixing process, a patented process for producing and analyzing gas mixtures.

Originator and sole source of a Global Cross Reference™ Service for gas mixtures.

First manufacturer of parts-per-billion (ppb) and parts-per-trillion (ppt) level Standard Reference Materials (SRM’s) for the National Institute of Standards and Technology (NIST).

Supplier of carbon monoxide – 018 pulmonary function mixtures for National Aeronautics and Space Administration (NASA) space shuttle experimentation.

Scott Environmental Services evaluated the environmental impact of waste migration at the Nevada Federal nuclear waste disposal site for the U.S. Department of Energy.

Unique producer of high-purity gaseous products such as 99.9999% helium, 99.9999% argon, 99.9999% hydrogen, 99.9995% nitrous oxide, and 99.999% oxygen.

Scott Environmental Services developed U.S. EPA Modified Method 5 sampling system used in quantifying low level semi-volatile organic air pollutants.

Under U.S. EPA contract, Scott Environmental Services developed EPA Reference Test Methods 18, 23 and 110, which are designed for measuring trace level organic and hazardous organic pollutants.

Pioneered the implementation of multi-component protocol gases in Acid Rain applications by developing Interference-Free™ protocol gases (technology referenced in EPA Acid Rain division guidance to CEM operators).
Designed gas delivery systems for engine emissions testing laboratories at Saturn, Toyota and Harley-Davidson.

Contributions of Scott's Research and Development organization include:

- Development of ContinuPure® CO₂ delivery system for continuous supply of ultra high-purity CO₂ that is certifiable at point-of-use; thus, facilitating combinatorial chemistry for the extraction of pharmaceutical compounds used to rapidly increase the pace of drug discovery.

- Assisting U.S. EPA in writing original Protocols I & II and revisions of those documents on source and ambient air monitoring.

- Assisting National Institute of Standards and Technology (NIST) with the draft of Certified Reference Material (CRM) Protocols for oxygen.

- Working with National Aeronautics and Space Administration (NASA) to develop primary standards used to test for contaminants in fuels and purge gas (helium) for the space program.

- Working with U.S. EPA to develop stable hydrogen chloride standards needed for continuous air monitoring of toxic waste and municipal incinerators.

- Development of Aculife® cylinder treatment processes to enhance the stability of previously unstable gas mixtures.

- Development of first traceable Low Nitric Oxide (Low NO) and NO/CO blended EPA protocol gases.

- Development of first traceable Ammonia Standards for Title V permit, 27e and 7e tests for ammonia-slip.

- Chaired the EPA Gas Standards Subcommittee to provide technical and regulatory guidance for Enhanced Inspection and Maintenance programs and developed the first four-component standards for use in these programs.

- In cooperation with the National Institute of Standards and Technology (NIST), participated in the development of the Research Gas Material (RGM) program and produced the first RGM for ethanol.
Scott offers a comprehensive line of specialty gases, materials, services and equipment to meet a diverse range of customer requirements.

- **Specialty Gases**
  - High-Purity Gases
  - EPA Protocol Gases and Other Calibration Gas Standards
  - Gas and Liquid Mixtures
  - SCOTTY® Brand Transportable Products

- **Gas Handling Equipment**
  - Regulators, Manifolds, ChangeOver Systems and other Gas Handling Equipment
  - Gas Delivery Systems
  - Gas Storage Cabinets

- **Semiconductor Materials**
  - Pure Gases
  - Etching Gases
  - Ion Implantation Gases
  - Dopant Gases
  - Gas Mixtures

- **Medical Products**
  - Calibration Gases for Diagnostic Instrumentation
  - Surgical Support Gases
  - Breathable Gases for Testing Purposes
  - Active Pharmaceutical Ingredients

- **Gas Related Services**
  - Global Cross Reference™ Service
  - Analytical Services
  - Technical Services

- **High Pressure Cylinders**
  - Service Pressures up to 2200 psig (152 bar)
  - Custom and Standard Sizes from 6 inches (152 mm)

- **Scottgas.com**
  - Online Purchasing
  - Online Technical and Safety Information
  - Online Product Quotations and Documentation
  - eScott® Supply Chain Management

- **eScott® Information Technology**
  - Custom FOLIO™ Product Portfolios
  - Automatic Product Reordering and Electronic Invoicing
  - Online Certificates of Accuracy
  - Online MSDS Library
  - Automatic Cylinder Expiration Notification
  - Online Pressure, Usage and Location Data
  - Environmental Regulatory Compliance Assurance
Vision

Scott is a market-driven, technology-based company which aims to grow profitably by satisfying customers in selected markets around the world.

Mission

As members of the Scott team, our Mission is to fully utilize our talents to anticipate and completely satisfy our customers' needs for value-added specialty chemical products, calibration standards, and related equipment and information. We will be the standard for total performance in the markets we serve.

Goals

We commit ourselves to continuous improvement in all that we do. We will measure our progress against Scott's primary goals:

Management Philosophy

Our Scott management philosophy is to pursue our mission and annual plans through regional sales and manufacturing operations, with product and market development and technical support provided by the centralized corporate functions of Research and Development, Marketing, Data Processing, Finance, Technical Services and e-Commerce.
Scott Specialty Gases

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