



Metal Fabrication

Gas purity can play an influential role in a number of metal fabrication applications. Praxair's *LaserStar™* gases are produced to meet or exceed the stringent requirements of the laser processing industry and help maximize the return on investment of very costly systems. Available as pure gases or as pre-blended mixtures of helium, nitrogen, and carbon dioxide, *LaserStar™* gases help assure optimum laser performance, maximum operating duty cycle, and minimum maintenance costs.

Please refer to pages E19-E21 (section E – Products for Special Applications) for in-depth information on *LaserStar* and other high purity gases for metal fabrication.

Life Sciences

By focusing on the needs of life science companies, Praxair provides a total capabilities resource for all gas-related requirements. For biotech and pharmaceutical companies, Praxair's products and services support critical areas such as:

- Research
- Clinical trials
- Cell cultures
- Cryopreservation - repositories
- Regulatory compliance

Praxair's experienced marketing, sales and operations staff, including strategic alliances with equipment vendors, provides life science companies with superior gas and equipment expertise. Whether the need is for specialized equipment or full turn-key systems, Praxair provides one point of contact and one point of accountability. Application specific products include:

- Biological Equipment - Freezers, Dewars
- Cryogenic Gases and Delivery Systems
- Controlled Rate Freezers
- USP Grade Gases
- Instrumentation Gases
- Dry Ice

Please refer to pages E22-E23 for more information about Praxair's life science products.

Laboratories/Research/Healthcare

The wide variety of applications for specialty gases in these markets makes Praxair an excellent choice. Our full product line, wide selection of containers and excellent distribution network meets the needs of busy research scientists and laboratory technicians. Our experience with major universities, research laboratories and hospitals throughout North America provides insight into the specific needs of these markets:

- Carrier Gases
- Calibration Gases
- Technical Support
- Specialty Equipment
- Cylinder Management
- Therapy Gases (Medical Drug Gases)
- Diagnostic Gases (Medical Device Gases)
- Pulmonary Functions Mixtures (Lung Diffusion)
- Anaerobic and Aerobic Mixtures
- CT Scanning Mixtures
- Sterilant Gases
- Instrument Gases

For details, please refer to pages E24-E30, (Section E – Products for Special Applications) for additional information.

Food

Praxair offers gases for freezing, chilling, carbonation and preservation. After extensive shelf life testing, gas mixtures are developed to increase the shelf life of some foods. Praxair's *Extendapak(r)* line of controlled atmosphere packaging (CAP) and modified atmosphere packaging (MAP) gases are available to help you add value to your food products.

Please refer to the Products for Special Applications (section E - pages E31-E34) of this catalog for in-depth information on Praxair products for the food industry.

Semiconductor

Praxair is a world leader in the supply of semiconductor process gases for the electronics industry. We offer a full product line including silicon source materials, dopants, etchants, and bulk products. The continuous drive to increase device performance means that specialty gases and chemicals must reach higher purity levels; containers and equipment must be free from contamination and analyses must be precise.

For more details, please refer to the section E – Products for Special Applications, pages E35-E37, for additional information on semiconductor product line.

Regardless of industry or application, Praxair is your total solutions provider for a full spectrum of specialty gas products and services to meet your needs!