

# 2011 LABORATORY EQUIPMENT DIRECTORY LISTING FORM

Complete the form below to ensure your FREE listings in the *2011 LABORATORY EQUIPMENT Directory*. **Note: the person signing this form should be the contact person if any questions arise regarding the listing. This name is for internal use only and is not published.**

Name \_\_\_\_\_ Title \_\_\_\_\_

Email (this will not be published) \_\_\_\_\_

Signature \_\_\_\_\_

**Corporate Information:** Please review your corporate listings below and make any necessary changes to ensure the accuracy of your listing in the *2011 LABORATORY EQUIPMENT Directory*. If you are a Subsidiary/Division, indicate the name that takes precedence.

Company Name:  
Division:  
Address 1:  
Address 2:  
City/State/ZIP:  
Country:

Corporate Phone:

Toll Free:

Fax:

URL:

**Online Sales Leads Email Address:** You will receive sales leads via the online presence you establish through your directory listings, which are accessible through key word searches on, [www.laboratoryequipment.com](http://www.laboratoryequipment.com). Please provide the email address to which we should forward these leads:

Email: \_\_\_\_\_

Check here  if you would like information about linking your home page through [www.laboratoryequipment.com](http://www.laboratoryequipment.com).

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**Product Listings:** Your company is entitled to receive 5 FREE product listings (display advertisers are allowed 25 listings). Please refer to the Product/Services Index to find the code letter/number and description of any products/services you provide to the research and development market and list them in the spaces provide below. There is a charge of \$10 per listing if you would like to include your company in additional product categories. (Refer to the next page for more information on purchasing additional listings.)

\_\_\_\_\_

<p><b>NOTE: YOUR COMPANY IS ENTITLED TO RECEIVE 5 FREE PRODUCT LISTINGS IN THE 2011 LABORATORY EQUIPMENT DIRECTORY. IF YOU PROVIDE MORE THAN 5 PRODUCT CATEGORY LISTINGS, YOU WILL BE BILLED AT THE CORRESPONDING AMOUNT INDICATED ABOVE.</b></p>
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**Additional Listings:** Additional product category listings are reasonably priced at \$10 per listing to give your company greater exposure and awareness for each of your products. Use the space provided below to list the code letter/number for any additional product category listings you wish to purchase. To discuss advertising opportunities in the *2011 LABORATORY EQUIPMENT Directory*, contact Ana DaCosta at 973-920-7126 or [ana.dacosta@advantagemedia.com](mailto:ana.dacosta@advantagemedia.com).

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METHOD OF PAYMENT: COMPANY CHECK     MASTER CARD     VISA     AMERICAN EXPRESS

Credit Card Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Print Name (as it appears on card) \_\_\_\_\_

Authorized Signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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Note: Although every attempt will be made to process all listings, we cannot guarantee the accuracy of information submitted after the deadline date indicated below. Return this completed form and your check for additional listings, if applicable to: Advantage Business Media, 100 Enterprise Drive, Suite 600, Box 912, Rockaway, NJ 07866-0912.

Questions? Contact the Directories Department at 973-920-7488; Fax: 973-607-5681.

**DEADLINE FOR ALL INFORMATION: November 12, 2010**

<p><b>NOTE: YOUR COMPANY IS ENTITLED TO RECEIVE 5 FREE PRODUCT LISTINGS IN THE 2011 LABORATORY EQUIPMENT DIRECTORY. IF YOU PROVIDE MORE THAN 5 PRODUCT CATEGORY LISTINGS, YOU WILL BE BILLED AT THE CORRESPONDING AMOUNT INDICATED ABOVE.</b></p>
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## ANALYSIS INSTRUMENTS

### Analysis Instruments

32745 Air  
32865 Coal Analyzer  
**Elemental Analyzers**  
140 Inorganic  
145 Mercury  
165 Organic  
170 Organometallic  
**Moisture Analyzers**  
205 Moisture, General  
**Other Analyzers**

250 Aerosol  
265 Amino Acid  
285 Assay Instruments  
300 Biochemical Oxygen Demand  
312 Biofuels Analyzer  
330 Chemical Oxygen Demand  
30650 Chlorine Residual  
355 Combustion  
32740 Cyanide  
390 Density/Specific Gravity  
30785 Discrete  
412 Elemental Analyzer  
460 Fat  
470 Flow Injection  
475 Fluorescence  
480 Frequency  
485 Gas  
580 Microwave  
585 Molecular Weight  
620 Oil  
625 Oil-In-Water  
640 Oxidation Reduction Potential  
655 Ozone  
670 Plant Analysis  
710 Remanufactured/Rental/Lease  
715 Rheological/Rheometers  
730 Signal  
755 Synthesizers  
30945 Tapped Density  
765 TOC  
780 Ultrasonic  
785 VOC  
790 Water  
795 Water Pollution Analysis Equipment  
825 Zeta Potential

### Particle Analyzers

832 Cytometer  
835 In-Line Analyzers  
845 Particle Count  
860 Particle Size  
870 Pore Size  
885 Porosimeters

### Surface Analyzers

900 BET Surface Area Analyzers  
905 Contact Angle  
925 Microscopic  
935 Profilers  
945 Surface Area  
955 Surface Tension

### Thermal Analyzers

975 Calorimeters, Bomb  
985 Calorimeters, Differential Scanning  
990 Calorimeters, Differential Thermal  
1030 Dielectric Analyzers  
1035 Differential Thermal Analyzers  
1040 Dynamic Mechanical Analyzers  
1055 Isothermal Titration Calorimeter  
1095 Thermogravimetric  
1100 Thermomechanical

## BASIC LAB EQUIPMENT

### Balances

2075 Analytical Balances  
2105 Explosionproof  
2115 Mechanical  
2125 Moisture  
2130 Parts Counting  
2135 Portable  
2150 Scales  
2155 Semi Micro  
2170 Toploading  
2175 Ultra-Micro  
2180 Weights

### Baths

2190 Calibrating  
2195 Circulators/Recirculators  
2210 Dry Heat  
2225 Oil  
2230 Refrigerated  
2235 Shaking

2240 Ultrasonic  
2250 Water

### Centrifuges

24170 Benchtop Centrifuges  
24175 Centrifuges, Floor Models  
24180 General Purpose Centrifuges  
24185 Micro Centrifuges  
24190 Refrigerated Centrifuges  
24195 Ultra Centrifuges

### Environmental Chambers

2260 Environmental Chambers  
2265 Refrigerated Environmental Chambers  
3685 Plant Growth Chambers  
2270 Test Chambers, Accelerated Weathering

### Heating and Cooling Equipment

2280 Chillers/Cooling Devices  
30020 Cleaning Ovens  
3095 Cryogenic Accessories  
3225 Dry Ice Makers  
2295 Freeze Dryers and Lyophilizers  
2300 Freezers  
2305 Ultra Low Freezers  
2325 Furnaces, Assaying  
2335 Furnaces, Box  
2340 Furnaces, Calibration  
2360 Furnaces, Crucible  
2375 Furnaces, General  
2385 Furnaces, High Temperature  
2405 Furnaces, Microwave  
2410 Furnaces, Muffle  
2460 Furnaces, Tube  
2480 Heat Exchangers  
2510 Heat Transfer Fluids  
2525 Heaters and Accessories  
2555 Heating Mantles  
2560 Heating Tapes  
2575 Hot Plates  
2595 Incubators  
2655 Ovens, Clean-Room  
2660 Ovens, Drying  
2665 Ovens, Explosion-Proof  
2680 Ovens, High Temperature  
2685 Ovens, Infrared  
2692 Ovens, Vacuum  
2705 Refrigerant Recovery Equipment  
2720 Refrigerators and Refrigeration Systems

### Microbiology

2855 Anaerobic Equipment  
3260 Fermentation Equipment

### Mixers, Stirrers, Shakers

2785 Blenders  
2790 Blenders, Gas  
3645 Mills  
2800 Mixers  
2805 Mixers, Drum Bung Entering  
2810 Mixers, Gases  
2815 Shakers  
25105 Flask Shakers  
25115 Gyrotory Shakers  
25120 Incubator Shakers  
25125 Reciprocating Shakers  
25130 Rotating Shakers  
25135 Test Tube Shakers  
25140 Water Bath Shakers  
2830 Stirrers  
25145 Stirrers, Explosion-Proof  
25150 Fixed Speed Stirrers  
25155 Magnetic Stirrers  
25160 Ultra-High Speed Stirrers  
25165 Variable Speed Stirrers

### Other - Basic Lab Equipment

2835 Actuators  
2865 Animal Handling/Control  
24235 Autoclaves and Accessories  
2900 Bar Code Inventory Systems  
2910 Bar Code Printers  
2915 Bar Code Readers  
2925 Bioreactors  
2945 Briquetters  
30710 Calculators  
3035 Clamps  
3040 Clean Rooms/Accessories  
3045 Clothing & Apparel  
3070 Compressed Air Dryer  
3100 Crystal Growing Apparatus  
3110 Cutting/Polishing Machines  
3115 Cylinders  
3135 Desiccants and Desiccators  
30645 Dewars  
3155 Digestion Apparatus  
3165 Dispensers  
3180 Dissolution Test Apparatus  
3185 Distillation Apparatus  
3235 Dryers

3245 Evaporators  
3255 Fans/Blowers  
3285 Fume Hoods  
3300 Gears  
3335 Glove Boxes  
3345 Grinders  
3360 Homogenizers  
3405 Jacks, Lab  
3420 Labeling and Identification Systems  
3585 Magnets & Accessories  
3620 Micromanipulators  
3665 Mortars & Pestles  
3670 Motion Control/Positioning Equipment  
3675 Motors  
3705 Positioning Equipment  
3715 Presses  
3765 Radiography Equipment  
3775 Reactors  
3805 Rental/Lease  
30940 Riffles  
3830 Seals/Sealants  
3845 Spray Dryer  
3855 Steam Generators  
3870 Sterilizers  
3895 Tapes  
3915 Timers and Timing Devices  
3920 Tissue Culture Apparatus  
3965 Tools  
4075 Labware Washing Machines  
4105 Welding Apparatus

### Pumps

4110 Pumps, Acid  
4115 Pumps, Air Pressure  
4120 Pumps, Booster  
4125 Centrifugal Pumps  
4135 Pumps, Circulating  
4140 Pumps, Cryogenic  
4150 Diaphragm Pumps  
4165 Dispensing Pumps  
4170 Pumps, Drum  
4180 Pumps, Filtering  
4195 Gradient Pumps  
4215 Pumps, Ion  
4220 Pumps, Liquid  
30655 Pumps, Magnetically-Driven  
4235 Metering Pumps  
4240 Mixing Pumps  
4250 Peristaltic Pumps  
4260 Pumps, Plastic  
4285 Pumps, Rotary  
4305 Pumps, Submersible  
4310 Syringe Pumps  
4315 Vacuum Pumps

### Reconditioned/Used Equipment

29460 Reconditioned Equipment  
29455 Used Equipment

### Tubing/Fittings/Piping

4330 Components  
4335 Connectors  
4340 Couplings  
4375 Fittings, Metal  
4390 Fittings, Plastic  
4405 Hose, General  
30640 Transfer Lines  
4465 Tubing, Capillary  
4470 Tubing, Ceramic  
4475 Tubing, Corrosion Resistant  
4495 Tubing, Fused Silica  
4510 Tubing, Glass  
4560 Medical Grade Tubing  
4565 Tubing, Metal  
4580 Plastic Tubing  
4600 Tubing, Quartz  
4605 Tubing, Rubber  
4610 Tubing, Stainless Steel  
4620 Tubing, Teflon

### Ultrasonic Equipment

3980 Cleaning Ultrasonic Equipment  
3985 Disintegrators Ultrasonic Equipment  
4000 Ultrasonic Equipment, Instrumentation

### Valves

4650 Valves, Air Control  
4655 Valves, Ball  
4660 Valves, Butterfly  
4665 Valves, Check  
4675 Valves, Corrosion Resistant  
4680 Valves, Cryogenic  
4690 Valves, Diaphragm  
4710 Valves, Gas Sampling  
4730 Valves, High Pressure  
4745 Valves, Instrumentation  
4750 Valves, Isolation  
4755 Valves, Liquid Sampling  
4760 Valves, Metering

4765 Valves, Needle  
4770 Valves, Piezoelectric  
4775 Valves, Pinch  
4780 Valves, Plastic  
4785 Valves, Pneumatic  
4805 Valves, Relief  
4810 Valves, Remote Control  
4815 Valves, Safety  
4820 Valves, Sampling  
4830 Valves, Shut-Off  
4835 Valves, Solenoid  
4845 Valves, Switching

## CHEMICALS AND BIOCHEMICALS

### Biochemicals

5520 Dyes and Stains  
5475 Other Biochemicals

### Chemicals

5680 Absorbents  
5695 Acids/Bases  
5720 Adsorbents  
5735 Alloys  
5740 Amino Acids  
5750 Analytical  
5490 Buffers  
5835 Catalysts  
5905 Compounds  
5920 Desiccants  
6155 Inorganic  
6215 Nanomaterials  
6250 Organic  
6405 Reagents  
6470 Specialty Organic  
8090 Water/HPLC Grade

### Solvents

16610 High Purity  
16615 HPLC  
16605 Other Solvents  
16625 Recovery Systems  
16630 Solvent Extraction  
16635 Spectrochemical

## CHROMATOGRAPHY, GAS AND SFC

### Columns

6545 Capillary  
6565 Packed

### GC Data Handling

6580 Databases  
6590 Integrators  
6595 Software  
6600 Workstation

### GC Detectors

6610 Chemiluminescent  
6615 Coulometric  
6620 Electrolytic Conductivity  
6625 Electron Capture  
6630 Flame Ionization  
6635 Flame Photometric  
6640 Helium Ionization  
6645 Infrared  
6655 Ion Trap  
6665 Mass Selective  
6670 Mass Spectrometer/GC  
6675 Nitrogen/Phosphorus  
6680 Photoionization  
6690 Thermal Conductivity  
6705 UV-Vis

### GC Systems

6755 GC Systems, General  
6760 GC/FTIR  
6765 GC/MS  
6770 GC/TA  
6805 Micro  
6815 Portable  
6820 Preparative  
6830 Process  
6845 Remanufactured/Rental/Lease  
6865 Single Column

### Other GC Equipment/Supplies

6890 Autosampler Vials & Accessories  
6895 Autosamplers  
6910 Compressed Gas Manifolds  
6915 Filters  
6920 Fittings  
6925 Flow Programmers  
6935 Gas Purifiers  
6945 Injectors  
6955 Pumps  
6960 Purge & Trap Apparatus  
6965 Pyrolysis Apparatus  
6970 Supports  
6985 Temperature Programmers  
32750 Thermal Desorption  
7000 Valves

# Products/Services Index

## Supercritical Fluid Chromatography

- 7005 Columns
- 7010 Detectors
- 7015 SFC Systems, General
- 7020 SFC/FTIR
- 7025 SFC/MS
- 7030 SFE

## CHROMATOGRAPHY, HPLC AND IC AND SEPARATION SYSTEMS

### Accessories

- 7835 Autosampler Vials
- 7840 Autosamplers
- 7845 Calibration Standards
- 7855 Chiral HPLC
- 7860 Column Chillers and Heaters
- 7870 Column Selectors
- 7880 Degassing Equipment
- 7895 Chromatography Filters
- 7900 Chromatography Fittings
- 7910 Flow Controllers
- 7915 Fraction Collectors
- 7920 Gradient Controllers
- 8040 Refrigerators
- 8045 Sample Injectors
- 8055 Solvent Delivery Systems
- 8060 Solvent Recycling
- 8065 Solvents and Reagents
- 25215 Syringes, HPLC
- 8070 Tube Connectors
- 8075 Tubing
- 8080 Valves, Motorized
- 8085 Valves and Fittings

### Columns

- 7380 Adsorption
- 7385 Affinity Columns
- 7390 Analytical Columns
- 7395 Biomolecular
- 7400 Capillary Chromatography
- 7405 Cartridge Columns
- 7415 Chiral
- 7450 Custom
- 30660 Flash
- 7470 Guard
- 7475 Hydrophilic
- 7480 Hydrophobic
- 7490 Ion
- 7505 Microbore Columns
- 7515 Nonporous Silica
- 7520 Normal Phase Columns
- 7530 Polymeric
- 7535 Preparative Columns
- 7545 Process
- 7555 Reverse Phase Columns
- 7565 Solid Phase Extraction Columns

### Data Handling Systems

- 7705 Data Systems/Handling
- 7715 Dedicated Workstations
- 7725 Integrators
- 7730 Interfaces

### Detectors

- 7580 Amperometric
- 7585 Chemiluminescent
- 30665 Chiral
- 7590 Conductivity
- 7600 Diode Array Detectors
- 7610 Electrochemical
- 7625 Fluorescence Detectors
- 7630 Infrared Detectors
- 7615 Light Scattering
- 7640 Laser Light Scattering
- 7660 MS
- 30670 Photodiode
- 7670 Radioactivity
- 7680 Refractive Index
- 7690 UV-Vis Detectors

### Pumps

- 7990 Diaphragm
- 8000 Gradient
- 8005 Isocratic
- 8010 Low Flow Rate
- 8015 Metering
- 8020 Microbore
- 8025 Peristaltic
- 8030 Piston
- 8035 Syringe Pumps

### Systems

- 7035 Affinity
- 7045 Capillary Electrochromatography
- 7050 Capillary Electrophoresis
- 7120 Countercurrent
- 7130 Electrophoresis
- 30675 Flash
- 7150 Gel Permeation
- 7195 HPLC and FTIR Systems
- 7200 HPLC and MS Systems
- 7215 Ion Systems
- 7225 LC Systems, General

- 7175 Other Systems
- 7285 Preparative Systems
- 7300 Process HPLC
- 7320 Remanufactured and Rental and Lease
- 7345 Size Exclusion

### Thin Layer Chromatography

- 8110 Chromatography Densitometers
- 8115 Developing Apparatus
- 8095 Other Thin Layer Chromatography Accessories
- 8135 Plates
- 8100 Reagents
- 8125 Thin Layer, General

## COMPUTER HARDWARE AND SOFTWARE

### Artificial Intelligence

- 9480 Expert Systems
- 9490 Neural Networks

### Bioinformatics Software

- 9500 Bibliographic Citation
- 9505 Bioinformatics
- 9520 Bioinformatics Databases
- 9530 Biological Simulation
- 9550 Data Acquisition and Analysis
- 29540 Data Mining
- 9560 Drug Discovery
- 9575 Genomics
- 28815 High Throughput Informatics
- 9580 Molecular Biology
- 9540 Molecular Design
- 28820 Proteomics
- 23255 Sequencing Software

### Chemistry Software

- 9605 Chemical Drawing
- 9610 Chemical Engineering
- 9615 Chemical Information Management
- 9620 Chemical Structure Analysis
- 9625 Cheminformatics
- 9630 Chemometrics
- 9635 Combinatorial Chemistry
- 9640 Computational Chemistry
- 9655 Elemental Analysis
- 9670 Molecular Modeling

### Chromatography Data Systems Software

- 10020 Chromatography Data Systems

### Chromatography Software

- 9685 Chromatography Databases
- 9690 Gas Chromatography
- 9695 HPLC Software

### Computer Boards and PC Cards

- 8170 Analog to Digital
- 8195 Data Acquisition
- 8205 Data Converters
- 8210 Digital to Analog
- 8240 I and O Interface
- 8265 Parallel Processors
- 8270 PC Expansion Boards
- 8290 Real-Time Interfaces

### Data Acquisition Software

- 9705 Real-Time Data Acquisition Systems
- 9710 Data Acquisition and Control

### Data Management Software

- 10370 Sample Management
- 10480 Weighing

### Databases

- 9720 Chemical Information Database
- 7710 HPLC Databases
- 10325 Patent Information
- 9750 Scientific Information
- 10535 Spectroscopy

### Electronic Laboratory Notebooks

- 29930 Electronic Laboratory Notebooks

### Engineering Software

- 9795 CAD and CAE
- 9800 Calculation and Math Libraries
- 9815 Computational Fluid Dynamics
- 9820 Computer Automated Measurement and Control (CAMAC)
- 9850 General Engineering
- 9865 Finite Element Analysis
- 9870 Heat Transfer Design and Analysis
- 9900 Personal Instrumentation
- 9905 Physics
- 9910 Plotting
- 9915 Rendering
- 9925 Simulation
- 9930 Structural Analysis

### General Productivity Tools

- 9945 Presentation Graphics

### Image Analysis and Image Processing Software

- 9960 3-D Imaging
- 9970 Gel Analysis

- 9980 General Image Analysis
- 9990 Image Processing
- 9995 Imaging Tools and Development
- 10000 Motion Analysis
- 10005 Spectral Analysis

### Instrument Calibration and Maintenance Software

- 10010 Instrument Calibration and Maintenance

### Instrument Control Software

- 10015 Instrument Control

### Internet

- 9370 E-Commerce and Online Purchasing
- 10220 Internet Access
- 9380 Online Instruction
- 9385 Online Scientific Information
- 9390 Server

### Laboratory Data Management Software

- 10575 Data Archiving
- 29950 Data Management, Other

### LIMS Software

- 10025 LIMS

### Machine Vision Software

- 10035 Machine Vision

### Mathematical Software

- 10175 Curve-Fitting
- 10045 Equation Solvers
- 9975 Graphics
- 10050 Mathematics, General
- 9895 Numerical Analysis
- 10055 Symbolic Languages

### Other Software

- 28825 Bar Coding
- 10180 Desktop Publishing
- 10585 Document Imaging
- 10195 Environmental Compliance
- 10225 Inventory Control
- 28830 Labeling
- 10250 Mapping
- 10255 Material Safety Data, Software
- 10320 Particle Analysis
- 10335 Quality Control
- 10355 Regulatory Software
- 10360 Robotics
- 10410 Statistical and Mathematical
- 10430 Structural Analysis
- 10435 Surface Analysis
- 10440 Test & Measurement
- 10445 Thermal Analysis
- 10470 Translation

### Output Devices

- 8645 Plotters
- 8650 Printers
- 8665 Thermal Printers

### Power Protection Devices

- 30185 Power Supplies
- 30180 Power Surge Suppressors
- 8675 Uninterruptible Power Systems

### Presentation Graphics Software

- 28845 Presentation Graphics

### Process Control Software

- 10495 Flow Analysis
- 10505 Machine Vision
- 10510 Process Control
- 10515 Process Development/Optimization
- 10520 Supervisory Control

### Programming Software

- 10525 Programming

### Scientific Data Management Software

- 9735 Database Management
- 9935 Enterprise Resource Management
- 28835 Knowledge Management

### Spectroscopy Software

- 10530 Spectroscopy Analysis
- 29955 Spectroscopy Databases
- 10540 Spectroscopy, Data Systems
- 10545 Spectroscopy, General

### Statistical Software

- 10550 Design of Experiments
- 10555 Exploratory Data Analysis
- 10560 General Statistics
- 10565 Quality Control/Quality Assurance

## COMPUTER PERIPHERALS AND RELATED PRODUCTS

### Input Devices

- 8470 Data Loggers
- 8795 Digital Signal Processors
- 8810 Filters
- 8815 Filters, Low Pass
- 8840 Keyboards
- 8850 LED Indicators
- 8900 Modems
- 8910 Monitors

- 9015 Recorders, Circular Chart
- 9020 Recorders, Data Loggers
- 9030 Recorders, Digital Readout
- 9035 Recorders, Event
- 9040 Recorders, Flow
- 9050 Recorders, High Speed
- 9090 Recorders, Oscillographic
- 9105 Recorders, Potentiometric
- 9125 Recorders, Servo
- 9245 Signal Conditioning Equipment
- 9255 Signal Processing Devices
- 9335 Television, Closed Circuit Systems

### Internet/Web-based Services

- 9375 Online Databases

### Peripherals

- 9405 Controllers
- 9415 Facsimile Equipment, High Speed
- 9420 I/O Devices
- 9435 Interfaces
- 9450 LAN

### Recorders

- 9130 Strip Chart Recorders
- 9150 Thermal Array Recorders
- 9170 X-Y Recorders

## CONTRACT RESEARCH, CONSULTING, EDUCATIONAL, TESTING SERVICES

### Consulting Services

- 10675 Analytical
- 10680 Architecture/Engineering Services
- 10700 Chemical/Hazard Waste Mgt
- 10725 Contract Instrumentation Services
- 10775 Engineering
- 10780 Environmental
- 10850 Metallurgists
- 10870 Microanalysis Services
- 10920 Pollution Compliance Sampling/Analysis Services
- 11030 Safety/Hygiene
- 11055 Surface Analysis Services
- 11070 Technology Transfer
- 11075 Thermal Analysis Services
- 11095 Water Analysis Services

### Educational Services

- 11175 Associations/Societies
- 11180 Audiovisual - Slide Programs
- 11185 Audiovisual - Slide storage & Viewing

### Products

- 11195 Databases, CD-ROM
- 11200 Databases, On-Line
- 11225 Literature and Data Searches
- 11245 Publications - Books
- 11250 Publications - Journals
- 11260 Publications - Training Materials/Courses
- 11280 Safety Certification

### Testing Services

- 11895 Acoustic/Vibration
- 11900 Air Analysis/Testing
- 11915 Biological Testing
- 11920 Calibration/Repair
- 11925 Chemical Analysis
- 11935 Contract Research and Development
- 11955 Electrical Testing
- 11970 Environmental Testing
- 12010 Mechanical Testing
- 12015 Metallurgical Testing
- 12020 Mobile Labs
- 12025 Nondestructive Testing
- 12035 Optics/Photometry
- 12040 Particle Characterization
- 12050 Petroleum Testing
- 12055 Physical Properties Measurement
- 12065 Pipette Calibration
- 12070 Polymer Testing
- 12090 Temperature Calibration and Certification

## FILTERS AND FILTRATION, WATER PURIFICATION

### Filters

- 14065 Air Sampling
- 14070 Asbestos
- 14075 Bacteriological
- 14110 Centrifugal
- 14115 Ceramic
- 14125 Chromatography
- 14135 Compressed Air
- 14165 Electrostatic Air
- 14215 Glass Fiber
- 14170 Filter Media
- 14190 Fluid
- 14200 Gas
- 14220 HEPA
- 14240 Other Membranes
- 14250 Metallic
- 14265 Microfiltration

14285 Odor/Fume Air  
 14290 Paper Filters  
 14295 Plastic  
 14300 Plate & Frame  
 14310 Prefilters  
 14315 Process  
 14365 Solvent  
 14375 Syringe

**Filtration Apparatus**

14390 Cartridges  
 14415 Funnels  
 14420 Holders  
 14425 Housing  
 14430 Manifolds  
 14440 Paper  
 14445 Presses  
 14455 Testers

**Water Purification**

14460 Carbon Adsorption  
 14465 Deionization  
 14475 Distillation  
 14495 Multitechnology Systems  
 14500 Reverse Osmosis  
 14505 Ultrafiltration  
 14510 Ultraviolet

**GASES, MATERIALS, STANDARDS**

**Gas Generators**

14530 Aerosol  
 14535 Generators  
 14545 Hydrogen  
 14565 Nitrogen  
 14575 Oxygen  
 14580 Ozone  
 14590 TOC  
 14595 Zero Air

**Gas Handling**

14600 Cylinders  
 14605 Dilution Systems  
 14620 Gas Regulators/Purifiers  
 14630 Humidifiers  
 14635 Manifolds  
 14640 Monitor

**Gases**

14645 Calibration  
 14650 Compressed  
 14660 Gases, Specialty  
 14665 High Purity  
 14670 Laser  
 14675 Mixtures  
 14680 Rare

**Ion Exchange**

14685 Celluloses  
 14695 Resins

**Isotopes**

14705 Radioactive  
 14710 Stable

**Metals**

14740 Alloys  
 14880 High Purity  
 15155 Porous  
 15175 Precious  
 15190 Refractory  
 15220 Single Crystal

**Other Materials**

15260 Abrasives  
 15290 Adhesives  
 15370 Ceramics  
 15600 Culture Media  
 15645 Desiccants  
 15980 Lubricants/Oils  
 16100 pH Papers  
 16320 Polymers  
 16400 Resins  
 16490 Single Crystals  
 16600 Wire Cloth

**Standards**

16655 Analytical Reference Standards  
 16665 Calibration  
 16680 Chromatography  
 16690 Color Standards  
 16710 Electrochemical Standards  
 16715 Electron Microscopy  
 16720 Elemental Standards  
 16730 Environmental Standards  
 16745 Gas Standards  
 16780 Insecticide/Pesticide Standards  
 16800 Metal Analysis  
 16815 Microscopy  
 16845 Particle Size  
 16850 Petroleum Standards  
 16870 Precision Weight/Mass Standards  
 16875 QC Standards  
 16895 Soil Analysis Standards  
 16900 Spectroscopy  
 16930 Turbidity  
 16935 Viscosity

16940 Water Analysis  
 16945 Weight/Mass

**LABORATORY BUILDING AND DESIGN**

**Clean Rooms & Accessories**

30680 Clean Benches  
 16970 Equipment/Supplies  
 16990 Static Control

**Furnishings**

17020 Benches  
 17045 Cabinets  
 30685 Cabinets, Laminar Flow  
 17070 Carts  
 17080 Cases  
 17090 Cases, Transit  
 17100 Casework, Metal  
 17105 Casework, Plastic  
 17110 Casework, Wood  
 17115 Chairs/Stools  
 17125 Desks  
 17130 Display & Presentation Systems  
 17150 Electrical Service  
 17155 Emergency Lighting Equipment  
 17165 Enclosures/Rooms  
 17172 Faucets  
 17175 Flooring  
 17225 Lamps & Lighting  
 17235 Mobile Laboratories  
 17240 Modular Laboratories  
 17245 Plumbing/Fixtures  
 17250 Positioning Tables  
 17275 Tables  
 17310 Workbenches

**METERS, MONITORS AND ELECTROCHEMICAL EQUIPMENT**

**Detectors**

19440 Gas  
 19465 Helium Leak  
 19485 Metal  
 19500 Personal Dosimeters  
 19525 RF  
 19545 Toxic Gas

**Electrodes**

19570 General Electrodes  
 19590 Other pH  
 19610 Specific Ion

**Flow Meters**

19670 Flow Controllers  
 19700 Flow Meters, Gas  
 19705 Flow Meters, General

**Meters**

19730 Accelerometers  
 19735 Ammeters  
 19742 Analog-to-Digital Converter  
 19745 Anemometers  
 19770 Barometers  
 19775 Calorimeters  
 19795 Colorimeters  
 19800 Conductivity/Salinity Meters  
 19810 Coulometers  
 19835 Densitometers  
 19840 Density/Specific Gravity Meters  
 19850 Dilatometers  
 19865 Dissolved Oxygen Meters  
 19885 Electrochemical Systems  
 30690 Extensometer  
 20875 Flow  
 19905 Flux Meters  
 19925 Gauges, Level  
 19935 Gaussmeters  
 20030 Hydrometers  
 20040 Hygrometers  
 20070 Interferometers  
 20095 Ion Meters  
 20145 Load Cells  
 20150 Luminometers  
 20190 Manometers  
 20205 Metering Pumps  
 20210 Metering Valves  
 20295 Motion Controllers  
 20300 Multimeters  
 20325 Ohmmeters  
 20345 Oscilloscopes  
 20365 Osmometers  
 20420 pH Meters  
 20435 Polarimeters  
 20475 Potentiometers  
 20480 Potentiostats  
 20490 Probes, General  
 20495 Probes, High Voltage  
 20505 Probes, Thermal Activity  
 20515 Psychrometers  
 20525 Pycnometers  
 20540 Pyrometers, General  
 20560 Radiometers  
 20570 Rain Loggers/Gauges

20580 Refractometers  
 30175 Relative Humidity  
 20590 Remanufactured/Rental/Lease  
 20600 Resistivity Meters  
 20605 Respirometers  
 20610 Rheometers  
 20680 Tachometers  
 20720 Thermocouples  
 21305 Thermometers  
 20725 Titration Apparatus  
 20730 Titrators, Automatic  
 20755 Torque Sensors  
 20760 Total Dissolved Solids Meter  
 20775 Turbidimeters  
 20800 Viscometers

**Monitors**

20840 Air  
 20855 Dust  
 20885 Gas and Vapor  
 20900 Liquid Level  
 20910 Noise  
 20930 Oxygen  
 20955 Radiation  
 20975 Vibration  
 20980 Water  
 21005 Weather Monitoring Equipment

**Pressure Equipment**

21010 Pressure Calibrators  
 21015 Pressure Controllers  
 21030 Pressure Regulators  
 21035 Pressure Sensors  
 21040 Pressure Switches  
 21045 Pressure Transducers

**Thermometers/Temperature Equipment**

21195 Temperature Calibrators  
 21205 Temperature Controllers  
 21245 Temperature Programmers  
 21250 Temperature Recorders  
 21255 Temperature Sensors  
 21260 Thermometers - ASTM Standardized  
 21265 Thermometers - Digital  
 21270 Thermometers - IR  
 21310 Thermometers, Mercury Free

**Voltage Meters/Equipment**

21340 Voltmeters  
 21385 Voltmeters, High Voltage

**MICROSCOPES, OPTICS, IMAGE ANALYSIS, LASERS, CAMERAS**

**Cameras**

21400 CCD  
 21415 Digital and High Resolution  
 21430 General Purpose  
 21435 High Speed  
 21450 IR  
 21475 Photomicrographic  
 21480 Television Cameras  
 21485 Video  
 21500 X-ray Cameras

**Fiber Optics**

21510 Attenuators  
 21525 Bundles  
 21530 Cable  
 21540 Components  
 21545 Couplers  
 21555 Illuminators  
 21575 Positioners  
 21600 Transmission Systems  
 21605 UV

**Image Analysis**

21640 Analyzers  
 21720 Intensifiers

**Lasers**

21765 Accessories  
 21845 Continous Laser Diode Systems  
 21905 Helium-Neon Systems  
 21785 Laser Cooling Systems  
 21865 Lasers, Diode Modules  
 21890 Lasers, Excimer  
 21900 Lasers, Helium Cadmium  
 21910 Lasers, Ion, Argon  
 21915 Lasers, Ion, Krypton  
 21945 Nd:YAG, Pulsed Flashlamp Pumped  
 21830 Other Laser Systems  
 21950 Power Supplies

**Microscope Supplies and Accessories**

22030 Comparators  
 22040 Crystals  
 30950 Detectors  
 22085 Filters  
 22210 Focusing Systems  
 22240 Illuminators  
 22250 Integrating Spheres  
 22260 Lamps and Light Sources  
 22320 Lenses, Precision  
 22345 Light Boxes and Tables  
 22360 Magnifiers and Accessories

22375 Microforges  
 22385 Micromanipulators  
 22395 Microtomes  
 22465 Mirrors, General  
 22480 Objectives  
 22490 Optical Cells  
 22495 Optical Coatings  
 22555 Optical Tables  
 22390 Other Microscope Supplies  
 22610 Photodiode Sensors  
 22620 Photoelectric Devices  
 22625 Photometers  
 22685 Prisms  
 21745 Film Processors  
 22725 Sample Prep and Liquid Handling  
 22750 Slides  
 22765 Stages  
 9275 Stepping Motors and Drivers  
 22810 Vibration Isolation Equipment

**Microscopes**

22840 Atomic Force  
 22865 Confocal  
 22870 Cryomicroscopes  
 30695 Digital  
 22920 Emission  
 22925 Environmental SEM  
 22935 Fluorescence  
 22945 Forensic  
 22965 Hot Stage  
 22970 Infrared  
 22975 Interference  
 22980 Inverted  
 23000 Metallurgical  
 23020 Multiviewing  
 23025 Near Field Scanning Optical  
 22955 Other Microscopes  
 23055 Photomicrographic  
 23060 Polarizing  
 23080 Raman  
 23085 Research  
 23095 Scanning Probe  
 23110 Scanning Tunneling  
 23115 SEM (Scanning Electron)  
 23120 Stereo  
 23125 Student  
 23130 TEM (Transmission Electron Microscope)  
 23140 Video Microscopes  
 23165 Wide Field  
 23170 X-ray Microscopes

**PITTCON**

**PITTCON**

31155 Filtration and Purification  
 31160 Flow Control Devices/Meters and Valves  
 31185 Gas Generators and Handling  
 31190 Gases, Specialty  
 31195 GC Columns/Detectors and Accessories  
 31200 GC/MASS  
 31205 High Throughput Screening  
 31210 ICP and DCP Spectrometers  
 31215 Image Analyzers  
 31220 Internet/Web Services  
 31225 Ion Chromatographs  
 31230 IR and FTIR Spectrometers  
 31235 Lab Furniture/Hoods  
 31240 Laboratory Design  
 31245 Laboratory Furniture, Related Supplies  
 31250 Laboratory Informatics  
 31255 Laboratory Services and Leasing  
 31260 Labware, Glass/Metal/Plastic  
 31265 LC Columns and Accessories  
 31270 LC-MS  
 31275 Leasing  
 31280 Life Sciences  
 31285 LIMS  
 31290 Liquid Chromatography Instrumentation  
 31295 Liquid Handling  
 31300 Mass Spectrometers  
 31305 Meters and Probes  
 31310 Microfluidics  
 31315 Microscope Accessories and Supplies  
 31320 Microscopes  
 31325 Moisture Analyzers  
 31330 Monitors  
 31335 NIR Spectrometers  
 31340 NMR Spectrometers  
 31345 Optics/Detectors/Lamps/Lasers/Sources  
 31350 Particle Size Characterization  
 31355 Petroleum Testers  
 31360 pH/Ion Meters  
 31365 Physical and Materials Testing  
 31370 Pipets/Pipettors  
 31375 Polarimeters  
 31380 Power and Voltage Equipment  
 31385 Pressure Equipment  
 31390 Process Control  
 31395 Pumps  
 31400 Raman Spectrometers  
 31405 Refractometers  
 31410 Refrigeration/Coolers/Freezers/Chillers

# Products/Services Index

31415 Research Services  
31420 Rheology Testing  
31425 Rheometers/Viscometers  
31430 Robotics/Lab Automation  
31435 Safety Apparatus/Equipment/Supplies  
31440 Safety Hazardous Materials Handling  
31445 Safety Personnel Protection  
31450 Sample Preparation Equipment  
31455 Sensors  
31460 Spectroscopy Accessories  
31465 Standards  
31470 Supercritical Fluid Chromatography  
31475 Surface Analyzers  
31480 Syringes  
31485 Temperature Equipment and Thermometers  
31490 Tensile Testing  
31495 Testing Services  
31500 Thermal Analyzers  
31505 Thin Layer Chromatography  
31510 Titrators and Titration Equipment  
31515 UV-VIS Spectrometers  
31520 Vacuum Equipment  
31525 Vacuum Pumps  
31530 Voltage Equipment  
31535 Water Purification  
31545 X-RAY Spectroscopy  
31540 XPS, SIMS, Auger Spectrometers

## SAFETY AND HYGIENE

### Apparel

30635 Aprons  
23695 Boots/Shoe Covers  
23705 Coats/Jackets - Disposable  
23710 Coats/Jackets - Protective  
23715 Coveralls - Disposable  
23720 Eyeglasses and Goggles  
23725 Face Shields  
23730 Gloves  
23735 Goggles  
23740 Hats/Caps/Hoods  
23745 Hearing Protection  
23700 Protective Clothing

### Cleaning Equipment and Supplies

23755 Brushes  
23770 Cleaning Equipment  
23775 Disinfectants and Decontaminants  
23785 Hand Conditioners  
23790 Hand Dryers  
23795 Hand Soap  
23800 Lab Cleaning Solutions  
23805 Labware Washers/Dryers  
23810 Odor Control Products  
23815 Steam Cleaners  
23820 Swabs  
23825 Towels - Disposable  
23830 Vacuum Cleaners - HEPA  
23835 Wipers

### Educational Materials

23840 Audiovisual Materials  
23850 Books  
23855 MSDS Materials  
23870 Training Programs  
23875 Wall Charts

### Hazardous Materials Handling

23890 Biological Safety Cabinets  
23895 Disposal Containers  
23900 Disposal/Removal  
23910 Hazardous Materials, Packaging and Disposal  
23930 Storage Buildings  
23935 Storage Cabinets  
23940 Storage Carts  
23945 Storage Containers

### Personnel Protection

3275 Fume Exhaust Systems  
23955 Fume Hoods/Workstations  
23965 Gas Handling Products  
23975 Protective Skin Creams  
23995 Static Control Products  
24005 Toxic Gas Detectors

### Safety Equipment

24010 Air Showers  
24015 Alarms and Alarm Systems  
24020 Biological Safety Enclosures  
24035 Eyewash Fountains  
24040 Fire Extinguishers  
24050 First Aid Equipment  
24055 Gas Cylinder Restraint/Storage  
24075 Magnetic Shielding Materials  
24085 Protective Matting  
24095 Radiation Shielding  
24100 Refrigerators  
24105 Safety Coated Labware  
24110 Safety Packaging/Mailers  
24130 Signs/Tags/Labels

24135 Spill Control Products

## SAMPLE PREP AND LIQUID HANDLING

### Extraction Equipment

24200 Accelerated Solvent Extraction  
24212 Extraction, Soxhlet  
24205 Extraction Equipment, General  
24210 Extraction, Microwave  
24215 Extraction, SPE  
24220 Extraction, SPME  
30965 Sample Containers  
24225 Supercritical Fluid Extraction

### General Equipment

24240 Automated Liquid Handling  
24250 Autosamplers  
24255 Autosamplers - Headspace  
24275 Cell Disrupters/Fractionators  
24280 Coaters/Laminators  
24285 Concentrators  
24290 Crystallization/Recrystallization  
24305 Digestion Apparatus  
24310 Diluters  
24330 Dispensers, Other  
24350 Dispensers  
24355 Evaporators  
24360 Filling Systems  
24365 Fraction Collectors  
24380 Fusion Apparatus  
24385 Gradient Mixers/Controllers  
24395 Homogenizers  
24400 Injectors  
24415 Metallurgical Specimen Prep  
24420 Microplates/Microplate Handlers  
24425 Microtomes  
24435 Mills/Grinders  
24440 Mixers  
24460 Presses  
24480 Reactors/Bioreactors  
24490 Robotic Systems  
24495 Sample Containers  
24505 Sample Injectors  
24510 Sample Injectors, Manual  
24555 Separators  
24575 Sieve Shakers  
24580 Sieves  
24600 Slides  
24605 Solvent Delivery System  
24615 Stirrers  
24635 Thermal Cyclers  
24640 Tools, Cutting  
24645 Ultrasonic Liquid Processor  
24655 Injection Valves  
24660 Metering Valves

### Labware

24695 Bottles  
24720 Ceramic  
24770 Custom  
24780 Disposable  
24800 Glassware  
24815 Safety Coated Glassware  
24850 Metal  
24865 Plastic  
24875 Quartz

### Pipets

24930 Glass Pipets  
24940 Micro Pipets  
24945 Plastic Pipets  
24955 Pipette Controllers  
24965 Calibrators Pipetters

### Pipettors

24960 Automated  
24975 Micro  
24910 Pipet Tips  
24915 Pipet Tips w and Filters

### Syringes

25185 Automated Syringes  
25190 Syringes, Autosampler  
25195 Syringes, Constant Rate  
25200 Syringes, Disposable  
25205 Syringes, Gas Tight  
25210 Syringes, General Purpose  
25220 Syringes, Inert  
25225 Syringes, Infusion  
25230 Syringes, Micro  
25235 Syringes, Precision

## SPECTROMETRY AND SPECTROSCOPY

### Accessories

26530 Burets  
26540 Burets, Digital  
26555 Cell Positioning Equipment  
26565 Continuous Flow Cells  
26575 IR Cells  
26580 Cells, Liquid Transmission

26585 Cells, Long Path Gas  
26560 Other Cells  
26620 Collimating Lenses  
26630 Diffraction Gratings  
26635 Diffraction, X-Ray  
26645 Electron Multipliers  
26650 Spectrometer Filters  
26660 Gratings  
26710 Interfaces  
26715 Internal Reflectance Attachments  
30700 Ion Source  
26725 Light Sources  
26745 Monochromators  
26755 Nebulizers  
26770 Photomultiplier Tubes  
26785 Diffuse Reflectance Probes  
26790 NIR Probes  
26795 Sample Prep Accessories  
26810 Specular Reflectance Sampling  
26820 X-Ray Equipment, Spectrometers

### Spectrometers

25925 Arc/Spark  
25930 Atomic Absorption  
25945 Atomic Fluorescence  
25950 Auger  
25955 Circular Dichroism  
25975 Direct Reading  
25980 Electron  
25985 Electron Energy Dispersive  
25995 Electron Impact  
26000 Electron Paramagnetic Resonance  
26025 Electron Spin Resonance  
26030 Emission  
26035 Fiber Optic  
26050 Fluorescence  
26055 Fluorimeters  
26085 FT-IR  
26090 FT-Raman  
26080 FT/NMR  
26095 Gamma Ray  
26105 ICP  
26120 Infrared  
30530 Ion Mobility Spectrometry  
30925 LIBS (laser induced breakdown spectrometer)  
26150 Luminescence  
26155 Luminometers  
26180 Mass, FT - ICR  
26185 Mass, High Resolution  
30705 Mass, ICP  
26190 Mass, Ion Trap  
26200 Laser Desorption-TOF Mass  
26205 Mass, Low Resolution  
26235 MALDI-TOF Mass  
26160 Other Mass  
26215 Mass, Quadrupole  
26220 Mass, Scanning Auger  
26225 Mass, Secondary Ion  
26240 Microwave  
26280 NIR  
26300 Nuclear Magnetic Resonance  
26305 Nuclear Quadrupole Resonance  
26310 Phosphorescence  
26320 Photoacoustic  
26335 Plasma, DCP  
26340 Plasma, ICP  
26345 Plasma, ICP-MS  
26350 Raman  
26355 Rapid Scanning  
26360 Recording  
26370 Remanufactured/Rental/Lease  
26395 Spectrofluorimeters  
26410 Spectrophotometers  
26420 Spectropolarimeters  
26425 Spectroradiometers  
26440 Stopped Flow  
26465 UV-Vis-IR  
26470 UV-VIS-NIR  
26475 Visible Light  
26485 X-Ray Spectrometers  
26490 X-ray Diffraction  
26505 X-ray Fluorescence

## TESTING SYSTEMS AND EQUIPMENT

### Other Testing Equipment/Supplies

27795 Acoustic Test Facilities

### Petroleum Testing

26880 Petroleum Testing, General

### Physical/Materials Testing

26950 Abrasion Testing  
26955 Age Testing  
26990 Asphalt Testing  
26995 Auto Exhaust Emission  
27015 Battery Testing  
27020 Blade Adhesion Testing  
27030 Cable Testing  
27035 Calibration Services  
27050 Catalytic Reaction

27055 Cement Testing  
27080 Color Testing  
27085 Combustion Testing  
27095 Compression Testing  
27115 Contract Laboratory Services  
27120 Corrosion Testing  
27125 Creep Testing  
27130 Dairy/Milk Testing  
27140 Diamond Scratch Testing  
27160 Dynamic Contact Angle Equipment  
27170 Elasticity Testing  
27200 Fatigue Testing  
27210 Flammability Testing  
27215 Flash Point Testing  
27225 Force Testing  
27230 Fracture Testing  
27235 Friction Testing  
27260 Hardness Testing  
27280 Impact Testing  
27320 Melt Indexers  
27330 Metallurgical Instruments  
27335 Metals Testing  
27340 Metrology  
27345 Micro Indentation Testing  
27355 Moisture Determination/Testing  
30935 Moisture Sorption  
27385 Paint Testing  
27390 Paper/Pulp Testing  
27400 Particle Characterization  
27420 Plastics Testing/Analysis  
27445 Polymers Test Equipment  
27455 Powder/Solids Testing  
27495 Resistivity Testers  
27525 Sharpness Testing  
27530 Shear Testing  
27545 Soil Testing  
27570 Strain Testing  
27585 Surface Tension  
27600 Tensiometers  
27645 Testing Rooms  
27660 Textile Instrumentation  
27665 Texture Testing/Analysis  
27680 Thermal Properties Testing  
27690 Thickness Testing  
27700 Torque Instrumentation  
27705 Torque Testing  
27720 Vibration/Acoustics Testing  
27725 Viscosity Testing  
27735 Weathering Test Equipment

### Tensile Testing

27785 Tensile Testing, General

## VACUUM EQUIPMENT

### Evaporators/Evaporation

27985 Evaporators, Flash  
27990 Evaporators, General  
27995 Evaporators, Rotary Film

### Systems/Components

28015 Baffles  
28020 Bell Jars  
28030 Calibration Equipment  
28035 Chambers  
28055 Components/Supplies  
28065 Controllers/Regulators  
28070 Corrosive Gas  
28075 Desiccators  
28105 Electron Guns  
28110 Etchers  
28115 Feedthroughs  
28120 Filters  
28130 Fittings and Flanges  
28180 Furnaces  
28185 Gauges  
28235 Leak Detectors, General  
28280 Lubricants  
28310 Oils & Greases  
28320 Ovens  
28345 Purge & Trap Apparatus  
28360 Rate/Thickness Monitors, Optical  
28365 Regulators  
28370 Residual Gas Analyzers  
28390 Seals/Sealants  
28395 Sensors  
28430 Sputtering Systems  
28470 Switches  
28495 Thin Film  
28535 Traps  
28615 Valves

### Vacuum Pumps

28650 Belt Drive  
28655 Cryogenic  
28660 Diaphragm  
28665 Diffusion  
28670 Direct Drive  
28675 Getter Devices  
28695 Oil-Free  
28735 Rotary Vane  
28745 Turbomolecular