

# 2022 Equipment Directory

### ENVIRONMENTAL EQUIPMENT

- 00200 **Adsorption Equipment**
- 00300 **Air Makeup/Exhaust**
- 00400 **Air Pollution/Effluent Control**
- 00500 **Air Scrubbers**
- 00600 **Building/Clean Rooms**
- 00700 **Dust Collectors**
- 00800 **Engineering**
- 00900 **Environmental Controls**
- 01000 **Environmental Test Equipment**
- 01100 **Explosion Protection Systems**
- 01200 **Explosion Relief Venting**
- 01300 **Exposure Testing**
- 01400 **Hazardous Materials Handling Equipment**
- 01500 **Hazardous Materials Testing**
- 01600 **Industrial Vacuum Cleaners**
- 01700 **Odor-Control Equipment**
- 01800 **Paint Overspray Recovery/Recycling**
- 01900 **Safety/Health Services**
- 02000 **Sludge-Handling Equipment**
- 02100 **Sludge Treatment**
- 02200 **Solvent-Recovery Equipment (Also in Manufacturing Equipment)**
- 02300 **Ventilation**
- Waste Disposal:**
- 02500   Recycled
- 02600 **Wastewater Treatment**

### MANUFACTURING EQUIPMENT

- 02800 **Agitators**
- 02900 **Batch Controllers**
- 03000 **Batch-Weighing Equipment**
- 03100 **Beads, Ceramic**
- 03200 **Beads, Glass, Small Media Mill**
- 03300 **Blenders**
- 03400 **Blenders, Conical**
- 03500 **Blenders, Cylinder**
- 03600 **Blenders, Portable**
- 03700 **Blenders, Ribbon**
- 03800 **Blending Tanks**
- 03900 **Blunger**
- 04000 **Centrifuges (Also in Test/Measurement Section)**

### **Cleaning:**

- 04200 **Blasting/Supplies**
- 04300 **Cleaners/Solvents**
- 04400 **Cleaning Equipment (Systems, Tub, Etc.)**
- 04500 **Industrial Vacuum Cleaners**
- 04600 **Ultrasonic Cleaners**
- 04700 **Color Cards**
- 04800 **Color Control Systems**
- 04900 **Color Displays**
- 05000 **Color Flushing Equipment**
- 05100 **Color Merchandising Aids**
- 05200 **Color Meters, Color-Match Instruments**
- 05300 **Control Systems**
- 05400 **Crushers (Can, Drum, Etc.)**
- 05500 **Curing Systems**
- 05550 **Degassing Equipment**
- 05600 **Dispersal Blades**
- 05700 **Dispersal Media**
- 05800 **Dispersers**
- 05900 **Distillation Equipment**
- 06000 **Dust-Collection Equipment**
- 06100 **Film Applicators**
- 06200 **Films**
- 06300 **Filter Presses**
- 06400 **Filter/Pressure Vessels**
- 06500 **Filtering Bags/Strainers**
- 06600 **Filtering Cartridges**
- 06700 **Flexible Screw Conveyors**
- 06800 **Fork Lifts**
- 06900 **Gauges - Pressure**
- 07000 **Glossmeters**
- 07100 **Gluing Machines**
- 07200 **Grinding Equipment**
- 07300 **Grinding Media**
- 07400 **Heat Boilers - Waste**
- 07500 **Heat Exchangers**
- 07600 **Heat-Recovery Systems - Waste**
- 07700 **Heat-Transfer Fluids**
- 07800 **Holding, Mixing Tanks**
- 07900 **Holiday Detectors (Also in Test/Measurement Section)**
- 08000 **Hoses**
- 08100 **Humidity Chambers**
- 08200 **Impellers**
- 08300 **Infrared-Curing Equipment**
- 08400 **Level Controls**
- 08500 **Level Sensors**

08600 **Level Sensors, Ultrasonic**  
08700 **Light Booth**  
08800 **Liquid Level Indicators**  
08900 **Machines**  
09000 **Mechanical Conveyors**  
09100 **Metering Equipment - Electronic**  
09200 **Meters**  
09300 **Meters, PH**  
09400 **Microprocessors**

**Mills:**

09600 Attrition  
09700 Ball  
09800 Basket  
09900 Bead  
10000 Centrifugal Mills  
10100 Colloid  
10200 Horizontal  
10300 Impact  
10400 Jar and Jar Rolling  
10500 Laboratory  
10600 Misc. Mills  
10700 Pebble  
10800 Peg  
10900 Roller  
11000 Sand  
11100 Shot  
11200 Small Media  
11300 Vertical

**Mixers:**

11500 Bottom-Entry  
11600 Change-Can  
11700 Cone Screw  
11800 Counter-Rotating  
11900 Direct-Drive Agitators  
12000 Double-Planetary  
12100 Drum  
12200 Dual-Shaft  
12300 High-Shear Batch  
12400 High-Speed  
12500 High-Speed Dispersers  
12600 High-Speed Rotor Stator  
12700 High-Viscosity  
12800 Homogenizers  
12900 Horizontal Paddle-Type  
13000 IBC  
13100 In-Line Mechanical  
13200 In-Line Motionless  
13300 Jacketed Half Pipe or Dimple  
13400 Jet (Powder Dissolving)  
13500 Kneader Extruder  
13600 Laboratory  
13700 Low-Shear  
13800 Misc. Mixers  
13900 Pipe Line  
14000 Reactor  
14100 Rotary Batch  
14200 Rotor Blade  
14300 Side-Entry  
14400 Spiral Blade  
14500 Static  
14600 Top-Entry

14700 Triple-Shaft  
14800 **Mixing Equipment**  
14900 **Mixing Equipment - Air Powered**  
15000 **Mixing/Dispersion Blades**  
**Ovens:**  
15200 Microwave  
15300 Misc. Ovens  
15400 Thermal  
15500 Vacuum  
15600 **Oxidizers, Catalytic**  
15700 **Oxidizers, Thermal**  
15800 **Paint Shakers**  
15900 **Paint Strippers**  
16000 **Pallet Conveyor**  
16100 **Pallet Dispensers**  
16200 **Palletizers**  
16300 **Particle Characterization**  
16400 **Paste Mixers, Horizontal**  
16500 **Pigging Systems**  
16600 **Pneumatic Conveyors**  
16700 **Portable Display System**  
**Powder Coating Equipment:**  
16900 Cleaners/Strippers  
17000 Curing Systems  
17100 Extruders  
17200 Filter Belts  
17300 Fluidized Beds  
17400 Mills  
17500 Misc. Powder Equipment  
17600 **Proportioning Systems and Components**  
**Pumps:**  
17800 Air-Operated  
17900 Carboy  
18000 Centrifugal  
18100 Diaphragm  
18200 Drum  
18300 Hand  
18400 High-Pressure  
18500 Metering  
18600 Misc. Pumps  
18700 Positive-Displacement Rotary  
18800 Proportional  
18900 Pulsation Dampeners  
19000 Reciprocating  
19100 Turbine Rotary  
19200 Vacuum  
19300 **Ram Discharge**  
19400 **Reactor & Recovery Systems**  
19500 **Reduction Equipment**  
19600 **Reflectometers**  
19700 **Registers - Electronic & Mechanical**  
19800 **Robots**  
19900 **Rolls - Sets**  
20000 **Safety Equipment**  
20100 **Screening**  
20200 **Separators**  
20300 **Separators - Magnetic**  
20400 **Shakers**  
20500 **Sieving Equipment**  
20600 **Size Reducers**

- 20700 **Solvent-Recovery Equipment (Also in Environmental Section)**
- 20800 **Special Design Machinery**
- 20900 **Spray Booth**
- 21000 **Spraying Equipment**
- 21100 **Static Control**
- 21200 **Straining Equipment**
- 21300 **Temperature Compensators**
- 21400 **Temperature Equipment/Controls**
- 21500 **Thickness Gauges (Also in Test Section)**
- 21600 **Tubular Conveyors**
- 21700 **Turn-Key Processes**
- 21800 **Used Equipment (Buying/Selling)**
- 21900 **UV-Cure Systems**
- 22000 **UV Lamps**
- 22100 **Valves**
- 22200 **Viscometers**
- 22300 **Waste Combustion Equipment**

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## PACKAGING AND MATERIAL HANDLING

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- 22500 **Barcode Scanners/Printers**
- 22600 **Can Clips**
- 22700 **Can/Label Orientors**
- 22800 **Can & Pail Closers**
- Containers/Cans:**
- 23000 Aerosol Packaging
- 23100 Aluminum/Shipping
- 23200 Bags, Bulk
- 23300 Bags, Multiwall
- 23400 Bags, Polypropylene
- 23500 Cartridges
- 23600 Composite (Fiber)
- 23700 Corrugated
- 23800 Disposable, Paperboard
- 23900 Intermediate Bulk
- 24000 Metal
- 24100 Misc. Containers/Cans
- 24200 Plastic
- 24300 Reconditioned and Repaired
- 24400 Recyclable
- 24500 Stainless Steel
- 24600 Steel
- 24700 Steel Shipping
- 24800 **Depalletizers**
- Dispensing:**
- 25000 Colorant
- 25100 Computerized
- 25200 Equipment
- 25300 Nozzles
- 25400 Pneumatic
- Drums:**
- 25600 Fiber
- 25700 Interior Linings
- 25800 Misc. Drums
- 25900 Plastic
- 26000 Reconditioned
- 26100 Removable Liners
- 26200 Steel
- 26300 **Drum Conveyor**

- 26400 **Drum-Handling Equipment**
- 26500 **Drum Pouring Equipment**
- Filling Equipment:**
- 26700 Feeders
- 26800 Fillers
- 26900 Lid-Closing Machines
- 27000 Lid Openers
- 27100 Lid Punch Closures
- 27200 Lid Punch - 5-Gallon Containers
- 27300 Misc. Filling Equipment
- 27400 **Hazardous Material Containers**
- 27500 **Label Machines**
- 27600 **Label Printing**
- 27700 **Labels**
- 27800 **Package Services - Custom**
- 27900 **Packaging Denesters**
- 28000 **Pail Conveyors**
- 28100 **Robots**
- 28200 **Sealing Equipment**
- 28300 **Shrink Wrap**
- Tanks:**
- 28500 Cleaning Equipment
- 28600 Cleaning Services
- 28700 Fiberglass
- 28800 Metal
- 28900 Misc. Tanks
- 29000 Plastic
- 29100 Polyurethane
- 29200 Portable
- 29300 Process
- 29400 Shipping
- 29500 Storage
- 29600 Thinning/Tinting
- 29700 Tote

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## TEST AND MEASUREMENT INSTRUMENTATION

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- 29900 **Accelerated Weathering**
- 30000 **Adsorption Equipment**
- 30100 **Air Makeup/Exhaust**
- 30200 **Air Pollution/Effluent Control**
- 30300 **Air Quality Monitoring Equipment**
- 30400 **Air Sampling and Analysis Equipment**
- Analyzers:**
- 30600 Biochemical Oxygen Demand (BOD)
- 30700 Chemical Oxygen Demand (COD)
- 30800 Elemental (CHN)
- 30900 Film Formation
- 31000 Headspace
- 31100 Kjeldahl Nitrogen
- 31200 Misc. Analyzers
- 31300 Moisture
- 31400 Particle
- 31500 Stability
- 31600 Suspended Solids
- 31700 Total Nitrogen
- 31800 Total Organic Carbon (TOC)

**Balances:**  
32000 Analytical  
32100 Misc. Balances/Scales  
32200 Moisture  
32300 Top-Loading  
32400 **Baths, Constant Temperature**  
32500 **Building/Clean Rooms**  
32600 **Calorimeters, Differential Scanning**  
**Centrifuges:**  
32800 Misc. Centrifuges  
32900 Table Top  
**Chromatography, GC:**  
33100 GC/MS Systems  
33200 Pyrolysis  
33300 **Chromatography, Gel Permeation**  
33400 **Chromatography, LC**  
33500 **Cleaning Equipment**  
33600 **Cleaning Supplies, Laboratory**  
33700 **Coating Application**  
33800 **Color Cards**  
33900 **Color Control Systems**  
34000 **Color Matching/Measuring**  
34100 **Density Cups**  
34200 **Desiccators**  
34300 **Differential Scanning Calorimetry (DSC)**  
34400 **Differential Thermal Analysis (DTA)**  
34500 **Drying Time Recorders**  
34600 **Dust Collectors**  
34700 **Dynamic Mechanical Analysis (DMA)**  
**Electrodes:**  
34900 Glassy Carbon  
35000 Graphite  
35100 Ion-Selective  
35200 Karl Fischer  
35300 Misc. Electrodes  
35400 pH  
35500 **Environmental Controls**  
35600 **Environmental Test Equipment**  
35700 **Explosion Protection Systems**  
35800 **Exposure Testing**  
35900 **Film Applicators**  
36000 **Filters**  
36100 **Flame Hoods**  
36200 **Flammability Testing Instruments**  
36300 **Flow Meters**  
36400 **Funnels**  
**Furnaces:**  
36600 Misc. Furnaces  
36700 Muffle  
36800 Vacuum  
36900 **Furniture, Laboratory, Benches, Tables, and Desks**  
**Gauges:**  
37100 Fineness of Grind  
37200 Grind  
37300 Misc. Gauges  
37400 Pressure  
37500 **General Laboratory Equipment**  
37600 **Glove Boxes**  
37700 **Hazardous Materials Handling Equipment**  
37800 **High-Speed Mixers**

37900 **Holiday Detectors**  
38000 **Hoods, Fume**  
38100 **Hot Plates**  
38200 **Humidity/Condensation Chambers**  
38300 **ICP**  
38400 **Image Analyzers**  
38500 **Lab Carts**  
**Labware:**  
38700 Glass  
38800 Misc. Other Labware  
38900 Plastic  
39000 **Light Booths**  
39100 **Mechanical Testing Equipment**  
**Meters:**  
39300 Conductivity  
39400 Contact Angle  
39500 Micro Wave Scan  
39600 Misc. Meters  
39700 Moisture  
39800 pH  
39900 Wave Scan  
40000 Wood Moisture  
**Microscopes:**  
40200 Atomic Force  
40300 Infrared  
40400 Misc. Microscopes  
40500 Optical  
40600 Polarizing  
40700 **Microwave Digesters**  
40800 **Mixers/Mills/Grinders**  
40900 **Molecular Weight Determination**  
41000 **Odor-Control Equipment**  
41100 **Outdoor-Exposure Test Equipment**  
**Ovens-Laboratory:**  
41300 Microwave Ovens  
41400 Misc. Ovens  
41500 Thermal  
41600 Vacuum  
41700 **Paint Overspray Recovery/Recycling**  
41800 **Particle Measurement**  
41900 **Particle Size Characterization**  
42000 **pH Meters**  
42100 **Psychrometers**  
**Pumps:**  
42300 Misc. Pumps  
42400 Vacuum  
42500 **Reagents**  
42600 **Respirators, Chemical Cartridge/Filter/Disposable**  
42700 **Rheometers, Liquid**  
42800 **Rheometers, Powder**  
**Safety Equipment:**  
43000 Anti-Fatigue Floor Mats  
43100 Cans  
43200 Eyeglasses and Goggles  
43300 Eyewash Fountains  
43400 Flammable Materials, Storage Cabinets  
43500 Gloves  
43600 Misc. Safety Equipment  
43700 Protective Clothing  
43800 Spill Cleanup

43900 **Safety/Health Services**  
44000 **Sample Preparation**  
44100 **Sem**  
44200 **Shakers, Paint**  
44300 **Sifters**  
44400 **Sludge Treatment**  
44500 **Sludge-Handling Equipment**  
44600 **Software, Laboratory Information Management Systems (LIMS)**  
44700 **Solids Analyzers**  
44800 **Solvent-Recovery Equipment**  
44900 **Spatula, SS**  
45000 **Specific Gravity Cups (Pyknometer)**  
**Spectrometers:**  
45200 AA  
45300 GC/MS  
45400 ICP  
45500 IR, FT-IR  
45600 Mass  
45700 Misc. Spectrometers  
45800 Raman  
45900 UV-VIS  
46000 X-Ray  
**Spectrophotometers:**  
46200 Color-Measuring  
46300 Fluorescence  
46400 Infrared  
46500 Misc. Spectrophotometers  
46600 Ultraviolet  
46700 **Stirrers**  
**Surface Analysis:**  
46900 Atomic Force Microscopy  
47000 Auger Spectroscopy  
47100 Electron Microprobe  
47200 ESCA  
47300 Ion-Scattering Spectrometry  
47400 Misc. Surface Analysis  
47500 Scanning Tunneling Microscopy  
47600 Sims  
47700 Surface Area  
47800 **Temperature Instrumentation**  
47900 **Tensiometers**  
48000 **Test Charts**  
**Testing Instruments:**  
48200 Abrasion  
48300 Adhesion  
48400 Chromatographic Support  
48500 Chromatographs  
48600 Coefficient of Friction  
48700 Contact Angle  
48800 Cross Hatch Cutter  
48900 Densitometers  
49000 Distinctness of Image Meters  
49100 Flashpoint  
49200 Glossmeters (also in Manufacturing Equipment)  
49300 Hardness  
49400 Hazemeters  
49500 Holiday Detectors  
49600 Hygrometers  
49700 Impact Testers  
49800 Mandrel Bend

49900 Microbial/Bacteria/Fungi  
50000 Misc. Testing Instruments  
50100 Particle-Size Analyzers  
50200 Pencil Hardness  
50300 Permeability Cups  
50400 pH Meters  
50500 Pinhole Detectors  
50600 Reflectometers  
50700 Refractometers  
50800 Specific Gravity  
50900 Surface-Tension  
51000 Taber Abrasion  
51100 Tensile Strength and Elongation  
51200 Viscosity  
51300 Wet Abrasion  
51400 **Thermometers**  
51500 **Testing Panels**  
51600 **Thickness Gauges (Also in Manufacturing Equip. Section)**  
51700 **Titrators**  
51800 **Ultrasonic Cleaners**  
51900 **UV-Curing Systems**  
52000 **UV Measurement**  
52100 **Viscometers**  
52200 **Waterbath**  
52300 **Waste Combustion Equipment**  
**Waste Disposal:**  
52500 Misc. Waste Disposal  
52600 Recycling  
52700 **Wastewater Treatment**  
52800 **Weathering Chambers**  
52900 **Weighing Dishes**  
53000 **Weight Per Gallon Cups**  
53100 **Wood Tongue Depressors**  
53200 **X-Ray Diffraction Systems**