

BUYERS GUIDE PRODUCT CATEGORIES

Adhesives, Coatings, Tapes, Sealants and Lubricants

	Adhesives:
00300	Adhesives, Acrylic
00400	Adhesives, Anaerobic
00500	Adhesives, Conductive
00600	Adhesives, Cyanoacrylate
00700	Adhesives, Epoxy
00800	Adhesives, Fastener Retention
00900	Adhesives, Hot-Melt
01000	Adhesives, Silicone
01100	Adhesives, Urethane
01200	Adhesives, IR & UV Curable
01300	Adhesive Tapes, Conductive
01400	Adhesive Tapes, Pressure Sensitive
01500	Conformal Coatings
01600	Encapsulating and Potting Material
01700	Formed-In-Place Gasket Material
01800	Lubricants, Assembly
01900	Sealant Material

Assembly Hardware and Machine Components

02100	Bearings
02200	Cabinets and Enclosures
02300	Castings and Stampings
02400	Clamps, Manual and Powered
02500	Couplings, Mechanical
02600	Machine Bases, Tables and Platforms
02700	Machine Mounts
02800	Modular Structural Framing Components
02900	Shock Absorbers, Mechanical and Gas

Automated Assembly Machines and Systems

03100	Assembly Machine Chassis
	Assembly Machines:
03300	Assembly Machines, Carousel
03400	Assembly Machines, Continuous Motion
03500	Assembly Machines, In-Line
03600	Assembly Machines, Non-synchronous (Power-and-
	Free)
03700	Assembly Machines, Rotary
03800	Assembly Machines, Walking Beam Transfer
03900	Assembly Machine Dial Plates
04000	Flexible Assembly Systems
04100	Nutrunning Machines, Single- and Multiple-Spindle
04200	Screwdriving Machines, Single- and Multiple-Spindle

Auto ID, Bar Coding, Product Marking and Labeling Equipment

04400	Bar Code Printers and Readers
04500	Engraving and Stamping Machines
04600	Ink Jet Printers
04700	Labels
04800	Label Printers and Dispensers
04900	Laser Marking Machines
05000	Marking and Printing Machines
05100	RFID Systems
05200	RFID Tags

Autonomous Vehicle Technology

Automated Systems and Services:		
05500	Sensors	
	Electrification Systems and Services:	
05700	Batteries	
05800	Capacitors	
05900	Fuel Cells	
06000	Motors	
06100	Power Electronics	
Vehicle Systems and Services:		
06300	Electrical	
06400	Electronic	
06500	Electrical & Electronic Semiconductors	
06600	Electrical & Electronic Sensors	
06700	Materials	
06800	Manufacturing	
06900	Powertrain/Propulsion	
07000	Powertrain/Propulsion, Engines	
07100	Powertrain/Propulsion, Transmissions	
07200	Test & Measurement	

Brazing, Soldering and Welding Equipment

07500	Fume Extractors
07600	Soldering Irons and Controllers
	Soldering Machines:
07800	Soldering Machines, Induction
07900	Soldering Machines, Iron
08000	Soldering Machines, Laser
08100	Soldering Machines, Microflame
08200	Ultrasonic Welding Machines, Metal
08300	Ultrasonic Welding Machines, Plastic
08400	Ultrasonic Welding Machine Horns

Brazing Systems

07400

Welders: 08600 Welders, Friction 08700 Welders, Hot Plate Welders, Induction 08800 Welders, Plastic, Hot Air 08900 Welders, Laser 09000 09100 Welders, Spot Welders, Stud 09200

Cleaning Equipment and Supplies

Cleaning Machines:

09500	Cleaning Machines, Aqueous
09600	Cleaning Machines, Plasma
09700	Cleaning Machines, Solvent Bath
09800	Cleaning Machines, Ultrasonic
09900	Cleaning Materials

Contract Assembly and Assembly-Related Services

10100	Contract Assembly and Manufacturing
10200	Contract Engineering Services
10300	Contract Inspection and Testing
10400	Contract PCB Assembly
10500	Contract R&D Services
10600	Contract Wire Harness Assembly
10700	Rapid Prototyping Services
10800	Training Services:
10900	Advanced Technical Training and Certifications

Conveyors and Handling Systems

11100	Automatic Guided Vehicles (AGVS)
11200	Automated Storage and Retrieval Systems (ASRS)
11300	Bins, Totes, Trays and Containers
11400	Carts
	Conveyors:
11600	Conveyors, Accumulating
11700	Conveyors, Belt
11800	Conveyors, Carousel
11900	Conveyors, Magnetic Belt
12000	Conveyors, Overhead
12100	Conveyors, Power-and-Free or Towline
12200	Conveyors, Roller
12300	Conveyors, Vacuum
12400	Overhead Cranes and Lifting Devices
12500	Returnable Packaging
12600	Tray and Pallet Transfer Systems
12700	Tray Stackers and De-stackers
12800	Lift Tables and Lift Assist Devices

Dispensing and Curing Equipment

13000	Adhesive Cartridges
13100	Adhesive Dispensers, Automatic
13200	Adhesive Dispensers, Manual
13300	Adhesive Mixing and Metering Equipment
13400	Adhesive Packaging Systems
13500	Dispensing Needles and Tips
13600	Dispensing Valves

13700	Encapsulating and Potting Equipment
13800	IR & UV Curing Equipment
13900	Lubricant Dispensing Equipment
14000	Solder Paste Dispensing Equipment

Cable Assemblies and Cord Sets

14200

15900

Bolts

Electrical, Electronic and Fiber Optic Components and Supplies

14300	Component Carrier Tape
14400	Connectors, Splices and Terminals
14500	Electric Power Distribution Equipment
14600	Fractional Horsepower Motors
14700	Heat Shrink Tubing
14800	Printed Circuit Boards (Bare)
14900	Pushbuttons and Switches
15000	Signal Lights and Status Displays
15100	Static Control Material
15200	Stencils and Squeegees for Screen Printing
15300	Uninterruptible Power Supplies
15400	Wire and Cable
15500	Wire and Cable Ties
15600	Wire Wrap
15700	Wire Marking Labels

Fasteners and Precision Formed Parts

16000	Fasteners, Tamper-Proof
16100	Fasteners, Torque-Limiting
16200	Inserts
16300	Nuts
16400	Pins, Coiled Spring
16500	Pins, Solid
16600	Precision Formed Parts
16700	Quick-Operating Fasteners
16800	Retaining Rings
16900	Rivets, Blind
17000	Rivets, Self-Piercing
17100	Rivets, Solid
17200	Screws
17300	Threaded Studs
17400	Weld Nuts and Studs

Forming and Riveting Machines

17600	Clinching and Staking Machines
17700	Impact Riveting Machines
17800	Orbital Forming and Riveting Machines
17900	Radial Forming and Riveting Machines
18000	Spin-Rolling Machines

Inspection Equipment: Acoustic, Optical and X-Ray

18200	Acoustical Inspection Machines
18300	Automated Optical Inspection (AOI) Machines
18400	Magnifiers
18500	Microscopes
18600	Optical Comparators
18700	X-Ray Inspection Machines

Motion Control, Positioning and Indexing Equipment

18900	Actuators, Linear
19000	Actuators, Rotary
19100	Ballscrews
19200	Cam and Dial Indexers
19300	Couplings
19400	Encoders, Linear
19500	Encoders, Rotary
19600	Laser-Guided Positioning Devices
19700	Linear Motors
19800	Linear Slides
19900	Motion Control Systems
20000	Multi-axis Actuators
20100	Nano-positioning Devices and Systems
20200	Rotary Indexing Tables
20300	Servo Drives and Systems
20400	Servo System Controllers
20500	Stepper Motors and Controls
20600	X-Y Tables
20700	X-Y Positioning Stages

Parts Feeders and Positioning Equipment

20900	Guidance Devices for Manual Parts Picking
21000	Part Counters
21100	Part Feeder Controls
	Part Feeders:
21300	Part Feeders, Centrifugal
21400	Part Feeders, Conveyor-Based
21500	Part Feeders, Elevator
21600	Part Feeders, Hopper
21700	Part Feeders, Magazine
21800	Part Feeders, Robotic
21900	Part Feeders, Vibratory Bowl
22000	Part Feeders, Vibratory Linear
22100	Part Positioners and Manipulators
22200	Part Tracks and Escapements
22300	Parts Trays and Pallets
22400	Pick-and-Place Machines
22500	Screw Feeders
22600	Sorting and Separating Machines
22700	Spring Feeders
22800	Vacuum Part Pickups and Suction Cups

PCB Assembly Machines, Equipment and Tools

23000	Component Placement Machines, Surface Mount
23100	Component Insertion Machines, Through-Hole
23200	Component Taping Machines
23300	Lead Forming and Clinching Machines
23400	Flux Application Machines
23500	Hand Tools for Electronics Assembly
23600	Odd-Form Parts Insertion and Placement Machines
23700	PCB De-paneling Machines
23800	PCB Handling and Feeding Machines
23900	Reflow Ovens
24000	Screen and Stencil Printing Machines
24100	Solder Ball Placement Machines
24200	Static Control Devices

24300	Stencil Cleaning Machines
24400	Wave Soldering Machines

Pneumatic and Hydraulic Equipment and Components

24600	Controls, Hydraulic
24700	Controls, Pneumatic
24800	Couplings, Hydraulic and Pneumatic
24900	Cylinders, Hydraulic
25000	Cylinders, Pneumatic
25100	FRL Units
25200	Hose, Compressed Air
25300	Hydraulic Pumps
25400	Lubrication Equipment
25500	Motors, Hydraulic
25600	Vacuum Pumps
25700	Valves. Hydraulic and Pneumatic

Power and Hand Tools and Accessories

25900	Angle Attachments for Power Tools
26000	Drills, Pneumatic
26100	Drills, Electric
26200	Extensions
26300	Heat Guns
26400	Impact Wrenches, Pneumatic
26500	Impact Wrenches, Electric
26600	Material Handling Equipment
26700	Nut Drivers, Manual
26800	Nutrunners, Electric
26900	Nutrunners, Pneumatic
27000	Portable Rivet-Setting Guns and Tooling
27100	Pulse Tools
27200	Screwdriving Bits
	Screwdrivers:
27400	Screwdrivers, Cordless Electric
27500	Screwdrivers, Electric
27600	Screwdrivers, Manual
27700	Screwdrivers, Pneumatic
27800	Sockets for Power Tools
27900	Tool Balancers
28000	Torque-Absorbing Arms for Power Tools
28100	Torque Wrenches

Presses, and Seal and O-Ring Installation Machines

28400	Insert Drivers, Heat and Ultrasonic
28500	Pin Insertion Machines
	Presses:
28700	Presses, Electric
28800	Presses, Electromechanical
28900	Presses, Hydraulic
29000	Presses, Hydropneumatic
29100	Presses, Manual
29200	Presses, Pneumatic
29300	Seal and O-Ring Installation Machines

Eyeletting Machines

28300

Programmable Controllers, Software, Machine Controls and Data Acquisition Devices

29500	Computer-Guided Assembly Aids and Systems
29600	Data Acquisition Devices
29700	Design software (CAD, CAM, DFMA)
29800	Documentation Software
29900	Programmable Controllers
30000	Simulation Software
30100	Machine Controls
30200	MES & ERP Software
30300	Quality software (SPC, data analytics)

Robots and Robot Accessories

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30500	Collision Sensors and Crash Protection Devices
30600	Compliance Devices
30700	Control Systems for Robots and Vision
30800	End Effectors and Tool Changers
30900	Grippers, Mechanical
	Robots:
31100	Robots, 5- and 6-Axis
31200	Robots, Cartesian Coordinate
31300	Robots, Collaborative (Cobots)
31400	Robots, Dispensing
31500	Robots, Gantry
31600	Robots, SCARA
31700	Robots, Soldering

Solder, Solder Paste and Flux, Brazing Alloys and Flux

20500

31950 Solder, Solder Paste and Flux, Brazing Flux

Test, Measurement, Calibration and Motion Analysis Equipment

32100	Adhesion Testers
32200	Cable and Wire Testing Equipment
32300	Connector Crimp Monitors
32400	Electronic Circuit Test Systems
32500	Electrostatic Test Equipment
32600	Gauges, Force
32700	Gauges, Thread
32800	General Test Equipment and Systems
32900	Laser Measurement Equipment
33000	Leak Testing Machines and Systems
33100	Load Cells
33200	Motion Analysis Equipment
33300	Multimeters
33400	Press Fit Monitors
33500	Pressure Measurement Devices
33600	Productivity and Process Monitoring Systems
33700	Sensors, Force

33800	Sensors, Torque
33900	Thermal Profilers
34000	Torque Analyzers
34100	Torque-Tool Control Systems
34200	Torque-Tool Calibration Equipment
34300	Wirebond Pull Testers
34400	X-Ray Fluorescence Analyzers

Vision Systems, Sensors and Guarding Devices

34700	Guarding Devices, Electronic
34800	Guarding Devices, Mechanical
34900	Vision Systems
35000	Vision System Lighting Equipment
35100	Electro-Optical Sensors
35200	Proximity Sensors
35300	Torque Sensors

Cameras

34600

Wire Processing Machines and Tools

35500	Coil Winding Machines
35600	Connector Crimping Machines
35700	Wire and Cable Tie Installation Machines
35800	Wire and Cable Tie Installation Tools
35900	Wire Cutting, Stripping and Terminating Machines
36000	Wire Cutting, Stripping and Terminating Tools
36100	Wire Harness Assembly Boards
36200	Wire Harness Manufacturing Equipment
36300	Wire Marking Machines

Workstations, Seating, Work Lighting and Accessories

36600 Carts 36700 Chairs and Stools	
36700 Chairs and Stools	
36800 Mobile Tables	
36900 Protective Clothing and Gloves	
37000 Racks and Shelves	
37100 Safety Items	
37200 Work Lamps and Lighting	
37300 Workstation Components and Accessorie	S
Workstations:	
37500 Workstations, Adjustable Height	
37600 Workstations, Modular	

rev. 2-8-2024