



a SunSource Company



Coolant Systems Solutions

www.k-and-s.com

K+S Services is committed to meeting your “Go Green” initiatives

“Go Green” is on the forefront of many organizations’ pursuit for environmentally friendly product development, promoting energy savings products, and activities. Green guidelines offer recommended measures for conserving natural resources, using water and energy wisely, improving indoor air quality, and planning for livable and vibrant communities. Manufacturing processes which meet these guidelines help reduce environmental impacts and often cost less to operate and maintain.

When it comes to manufacturing, “Go Green” is the right thing to do. K+S is dedicated to working with our supplier partners and customers to design and integrate the most efficient hydraulic, lubrication, process filtration and chip and coolant filtration systems. Focusing on creating more efficient systems, utilizing variable frequency drives (VFDs), along with improving filtration processes by reducing, or in many applications, eliminating disposable media is our mission.







Air Filters	Gravity Paper Systems	High Pressure Coolant
 <p>Mist, Smoke, Particulate</p> <ul style="list-style-type: none"> • All the models are ready for both pre-filtration and after-filtration • Directly installed on the machine tools • Filtering down to HEPA filtration • Electrostatic available 	 <ul style="list-style-type: none"> • Compact Design • Complete plug-n-play with full electrical panel • Optional pump • High flows for all types of fluids • Filtering down to 5 micron • Automatic indexing 	 <ul style="list-style-type: none"> • Compact design • Standard or custom units • Optional VFDs • Extend tool life and better part quality • Complete drawings and manuals • Wide range of flows and pressures
Magnetic Separator	Chillers	Valves
 <ul style="list-style-type: none"> • Engineered with high power ferromagnetic discs which trap solid contaminants present in coolants or lubricants • Low running costs • High Flows • Ease of installation • Low cost 	 <ul style="list-style-type: none"> • Complete line of oil and coolant coolers • Applications include linear motors, lasers, EDM, high speed spindles • Capacities from 2,000 to 360,000 BTU/HR • Quick delivery 	 <ul style="list-style-type: none"> • Sizes from 1/4" to 12" • Direct operated or pilot operated • Bubble tight shut off up to a ANSI class 6 • Pressures up to 7500psi • Any variety of fluids or gasses • 2/2 or 3/2 valves

QUALITY REPAIR OF MANUFACTURING EQUIPMENT

K+S Services is Keeping Industrial America Running

K+S Services associates provide technically sound, cost saving solutions to reduce operating costs and improve plant efficiency. With fluid power expertise in the technologies of hydraulics, pneumatics, industrial automation, lubrication, filtration and service and repair, our goal is to make your plant run more efficiently and improve your bottom line.

K+S Coolant Systems Solutions offers tailor-made solutions and service for the Automotive, Aircraft, Aerospace, Defense, Medical and Bearing manufacturing markets. We offer a complete range of coolant filtration systems, auxiliary equipment, swarf handling systems or stand-alone coolant filters for the individual CNC machine tools or central systems.

Conveyors/Filtering Systems	Centrifugal and Vortex Pumps	Liquid Bag Filters/Housings/Strainers
 <p>Vacuum/Cell Filtration, Standard Hing Belt, Drag-Out Conveyor</p> <ul style="list-style-type: none"> Wipers on belts clean bottom pan surface a minimum of two times per revolution Continuous operation Ball-detent clutch system 100% unattended machining operation No cartridges or bags to change 	 <p>High Pressure Pumps-Screw, Diaphragm, Piston Pumps</p> <ul style="list-style-type: none"> Flows up to 6000gpm Pressures to 10,000psi In-line or vertical mounted Self Priming High solids handling Chip breaking capabilities Variable frequency drives (VFDs) 	 <ul style="list-style-type: none"> Housing are engineered to effectively remove dirt, pipe scale and other contaminants from process liquids Strainer basket is available in various opening sizes Higher pressure ratings 100, 150, 300 to 3000 PSI Flows up to 4300gpm for a single housing
Tramp Oil Removal	Self Back Flushing Filters	Pump Back Systems
 <p>Floating Head/Coalescing Skimmer Disc Skimmers, Belt Skimmers</p> <ul style="list-style-type: none"> Extended tool life Improved parts finish Smoke & odor eliminated Multiplied coolant life Less machine downtime 	 <p>Barrier Type Media, Cyclonic Filtration, Magnetic</p> <ul style="list-style-type: none"> Low life cycle costs No filter material is consumed Cleaning without interrupting flow to process Efficient filter cleaning assures maximum process stability Filtering down to 5 micron 	 <ul style="list-style-type: none"> Capable of pumping full chip loads from machine to central coolant systems Easy change from single filter units to central coolant cleaning and supply No more expensive costly in-floor flumes Flexibility to relocate machine tools

3M Abbott Labs Accuride ADM AEP Aisin Automotive Akebono AK Steel Alcan Alcoa
 Allegheny Ludlum Amcor Ameren Amsted Rail Anchor Glass AO Smith Arcelor Mittal Armour
 Eckrich Arvin Meritor ATK Ball Metal BASF Baxter Labs Bay Valley Foods Bekaert Bemis
 Berry Plastics BF Goodrich Bimbo Bakeries Boeing Borg Warner Bosch Automotive Bridgestone
 Firestone Briggs & Stratton BWAY Canton Drop Forge Cargill Caterpillar Cerro Copper CNH
 America Coca-Cola Consolidated Container Constar Cooper Automotive Crown Cork & Seal
 Cryovac Cummins Engine Dana Dart Container Dean Foods Del Monte Domtar Dow Chemical
 Duke Energy DuPont Dynegy Eaton Electro-Motive Electrolux Emerson Electric Exxon
 Mobil Faurecia Federal Mogul Flex-N-Gate Freightliner Freudenberg NOK Frito-Lay Gardner
 Denver Gates Rubber General Dynamics General Electric General Mills General Motors Gerdau
 Ameristeel GKN Graham Packaging Graphic Packaging Grede Foundries Guardian Automotive
 Hamilton Sundstrand Harley Davidson Heinz Hershey Hillshire Farms Honda Honeywell
 Hormel Howco Hydro Aluminum IAC Ingersoll Rand Instron International Paper ITT ITW
 JBS Foods Jeld Wen John Deere Johns Manville Johnson Controls Kaiser Aluminum Kapstone
 Paper Kennametal Kraft Foods Leggett & Platt Lockheed Martin Luvata Magna Automotive
 Martinrea Martin Sprocket Masonite Masterbrand Cabinets MeadWestvaco Metso MillerCoors
 Mitsubishi Morton Salt Mueller Brass NASA Nestle NewPage Norandal Northrop Grumman
 NOV Novelis NTN Nucor Nypro Owens Brockway Pactiv Parker Hannifin PCA PCO
 PepsiCo Pinnacle Foods Plastipak PPG Printpack Proctor & Gamble Quad Graphics Quaker
 Oats Remington Arms Republic Engineered Steels Rexam Rexnord Rock-Tenn Rolls Royce RR
 Donnelley Rubbermaid Saint Gobain SAPA SCA Tissue Siemens Silgan SKF Smuckers
 Sonoco Southeastern Container Special Metals SPX Steel Dynamics Tecumseh Products Tenaris
 Tenneco ThyssenKrupp Timken Titan Wheel Tootsie Roll Toshiba Trane Trelleborg Automotive
 Trinity Industries Triumph Aerospace TRW TVA Tyson Foods UPS US Army US Steel Verso
 Paper Ventra Automotive Veyance Technologies Voith Paper Vought Aircraft Volvo Truck Wausau
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