AMETEK BUSINESS	SOLUTIONS
AMETEK	Amptek Inc, and its subsidiary AMETEK Finland, are the world leader in silicon diode based X-Ray Fluorescence Detectors which enable non-destructive identification of the elements in a material sample. These are used for quality control in the semi-conductor industry, enabling accurate identification of dopants and impurities in silicon wafers to ensure the end product meets specification.
AMETEK	Electronic and electric products are affected by sunlight, heat, and water, causing degradation and finally product failure. Atlas accelerated weathering instruments help to identify failure modes and determine service life of products such as cell phones, cameras, displays, screens, and sensors.
AMETEK	Instrumentation used in research and design to measure micron to nanometer level material composition.
AMETEK	AMETEK Cardinal UHP's electro-polished (EP) coiled tubing is used to transport ultra-high-purity gases to critical semiconductor equipment, ensuring contamination-free operations in applications like etching, lithography, and chemical vapor deposition.
AMETEK	High-performance electronic components, including solder preforms, bond pads, and bonding wire and ribbon, are engineered to provide electrical conductivity, thermal management, and structural integrity in semiconductor applications.
AMETEK	High-resolution imaging products for transmission electron microscopy for semiconductor analysis with incredible clarity.
AMETEK	As a leader in temperature measurement solutions, LAND's non-contact solutions provide accurate, reliable results without interfering with the highly-sterile conditions required for semiconductor manufacture. Advanced signal processing solutions compensate for emissivity and other factors which may affect accuracy. LAND recommends the Cyclops 100L portable thermometer for semiconductor processing applications.
AMETEK	The BASELINE® 9100 Gas Chromatograph for airborne molecular contamination uses a best-in-class high sensitivity photoionization detection (HS-PID) that allows parts-per-billion (ppb) detection levels of VOC (Volatile Organic Compounds) contaminants that can disrupt semiconductor production.
AMETEK	Powervar offers power conditioned Uninterruptible Power Supplies (UPS) and Power Distribution Units (PDUs) for the global semiconductor market. These products comply with SEMI-S2 standards and feature multi-layer safety integration and are customizable for applications ranging from 2 kVA to 300 kVA.
AMETEK	AMETEK Process Instrument's analyzer solutions provide highly sensitive and cost-effective monitoring, reliably detecting gas impurities, such as hydrogen, carbon monoxide, carbon dioxide, methane, and non-methane hydrocarbons in ultra-high purity gases, to reduce defects and minimize process disruptions.
AMETEK	AMETEK Programmable Power designs and manufactures programmable power supplies that serve a variety of frontend and backend semiconductor manufacturing and test applications. Supplies can power ion-implantation equipment and support burn-in, reliability and final functional test applications.
AMETEK	AMETEK Rotron provides highly reliable AC fans with extended temperature ranges for semiconductor process tool cooling.
AMETEK	Molybdenum-Copper and Tungsten-Copper composites used in semiconductor pedestals to dissipate heat and prevent electronic failure by enabling highly controlled and customizable thermal expansion.
AMETEK	Precision analytical instrumentation designed to precisely quantify trace level impurities in semiconductor materials.
AMETEK	Taylor Hobson designs and manufactures industry-leading metrology instruments dedicated to measuring optical surfaces with nanometric accuracy.
AMETEK	Vibration control solutions designed to minimize vibration levels in semiconductor production to enable extreme precision and high yield.
AMETEK	Zygo provides metrology systems for high precision optics characterization, OEM position sensors for precise stage control, and best-in-class optical components and optical assemblies.