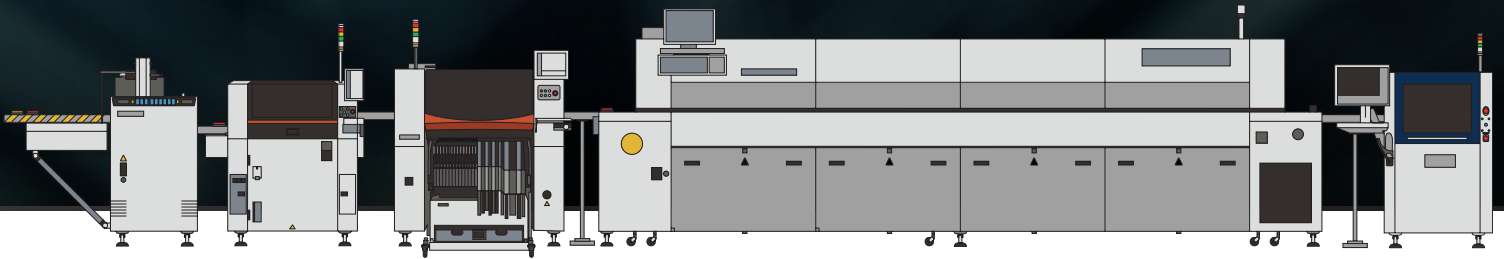




Murray Percival

From Capital Equipment to Consumables

everything for your electronics manufacturing and repair needs



www.murraypercival.com

"We know how..."

Capital Equipment

Batch, In-Line and Software Solutions

"We know how..."



Akrometrix manufactures, sells, and services equipment for thermal warpage & strain measurement and analysis on whole wafers, wafers on film frame (whole & diced), die on package, sockets, molded die in package, bare boards, substrates and die/package on pcb.



Engineered material handling systems and ergonomic lifts that move, maneuver and hold objects too heavy or cumbersome for the unaided human.



Automated point to point soldering systems including desktop solder robots, in-line soldering robots, laser soldering robots and selective soldering systems.



3D solder paste inspection, automated optical inspection and Statistical Process Control (SPC) tools.



Manual and automated component programming systems.



Wire harness and cable assembly and testing equipment.*



Fully wireless and portable SMT reel storage solutions.



Thermal monitoring and analysis technology devices and dry storage cabinets. The MOLE temperature profiler is used in setup and control of soldering system, baking processes and many other thermal processes.*



Wire cutting, stripping, and marking equipment.*



SimpleCoat conformal coating machines.



Component SMT placement equipment and turn key production lines including screen printing, reflow ovens and conveying systems.



Economic and individual solutions for every need in the region of reflow soldering including batch and inline through vapor phase reflow.



Selective soldering systems, SMT rework and inspection systems.



Wave soldering, cleaning, printing and reflow systems for the SMT industry.*



Automated dispensing systems for electronic assembly.



Wave soldering and cleaning systems.



Automated printers for electronics assembly.



Reflow wave soldering systems.



Manufacturing software solutions supporting Industry 4.0 and IOT.



The global leader in inspection technology including 3D AOI and SPI equipment for inline and batch as well as standalone table top systems.



PCB Handling equipment including loaders, conveyors and unloaders as well as inspection stations and laser PCB markers.



On Site Gas designs and manufactures oxygen and nitrogen PSA and membrane gas generation systems to replace costly tanks and nitrogen farm systems.



X-Ray SMD counting and 2D inspection.



Wave solder pallets, SMT process carriers, conformal coating fixtures, press fit support fixtures and precision machined parts.



Automatic circuit board support tooling for stencil printers and pick and place systems.



Fully integrated water purification and effluent management equipment. Batch, inline, heat exchange and heavy metals filtering.*



PCB dpaneling and routing.



Ultra sonic spray fluxing systems for wave soldering machines as well as dross recovery systems.



Ultra-low humidity drying and storage solutions for Moisture Sensitive Devices.

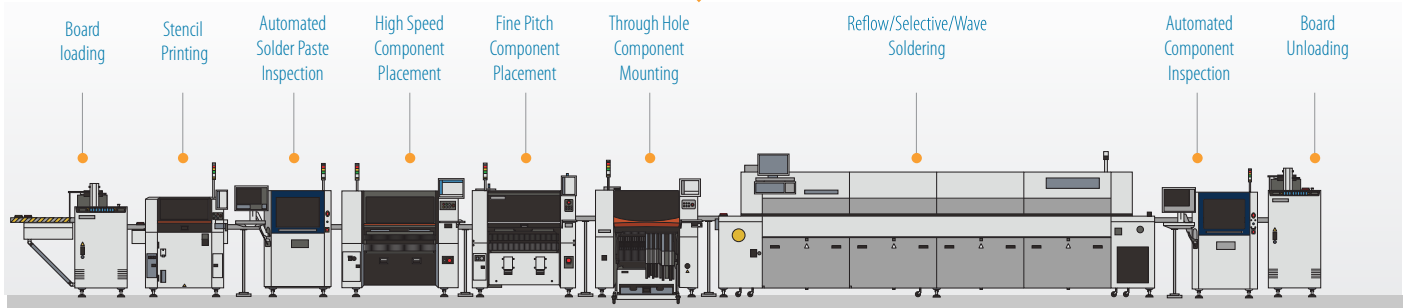


Conformal coating, micro-spray coating and curing systems.



Industrial X-ray inspection and 3D-CT inspection systems.*

The Murray Percival company supplies equipment for all of the automated processes involved in PCB assembly



*Not available in Pennsylvania

Distributed Products

PCB assembly, cleaning and storage solutions

"We know how..."



Pneumatic and electric screwdrivers, screw feeders, and torque measuring systems.



Bar solder, cored wire solder, solder paste, solder preforms, fluxes, cleaners and recycling services.



Tapes and masking boots for industrial manufacturing processes.



High performance and industrial tools for microscopy, inspection, and precision assembly.



IPC training, BGA rework products, solder paste stencils and circuit board repair services.



Polyimide adhesive tapes & films.



ESD control products including wrist straps, foot grounders, mats, smocks, shielding bags, floor finish, ionizers, monitors and testers.



Circuit board cleaning, conformal coating, potting, thermal management, benchtop cleaners and lubricants.



Smart ESD process control including monitors, ionization, test & measurement equipment & software.



Circuit board assembly, handling and storage racks.



Cleaners for electronic circuit assemblies and components for both batch and inline cleaning systems.



Assembly benches, work stations and seating.



Labeling solutions including blank thermal transfer labels, printers, pre-printed labels, screen-printed overlays, die-cut parts and wire making solutions.



Soldering tools—stations, rework, hot air, handpieces, irons, cartridges and tips.



Environmentally responsible cleaning solvents, presaturated wipes, stencil roll wipes and squeegee blades.



Soldering stations, BGA inspection, solder baths and rework systems.



Cleaners for all areas of the SMT process including stencil cleaners, reflow oven cleaners, wave solder finger cleaners, pallet cleaners and much more.



Dispensing pump bottles, ESD brushes, ESD document holders and work station organizers.



Carts, storage racks, and PCB material handling systems.



PCB cleaning solutions that are fast, efficient, safe and cost-effective during rework and repair on the SMT assembly line.



Illuminated magnifiers, microscopes and industrial lighting.



Production soldering irons, SMT repair systems, solder training and fume extraction equipment.



Soldering iron tips, sponges, desoldering wick and accessories.



Static protective storage containers for PCBs and components.



Fume extraction solutions for numerous processes including; hand soldering, cleaning systems, conformal coating, reflow ovens, wave and selective soldering, adhesive applications and laser marking.



Plastic storage containers as well as bin and wire shelving systems.



Precision dispensing equipment including robots, valves, dispensers, tips syringes and more.



RTV Silicone based materials for gluing, sealing, potting and conformal coating.



SMD Splicing products, cover tape extenders, tape splicing and cutting tools.



SMD splicing products, cover tape extenders, tape splicing and cutting tools.



Cleaners, coatings and other chemicals and tools that improve efficiency, safety and performance in PCB assembly.



Precision, U.S. made, high performance cutting tools and pliers for electronics and wire harness manufacturing.



Cleanroom supplies including; gloves, wipers, apparel (lab coats, coveralls, shoe covers, face masks), adhesive mats & documentation.



Anaerobic, cyanoacrylates, epoxies and ultra-violet adhesive technologies.



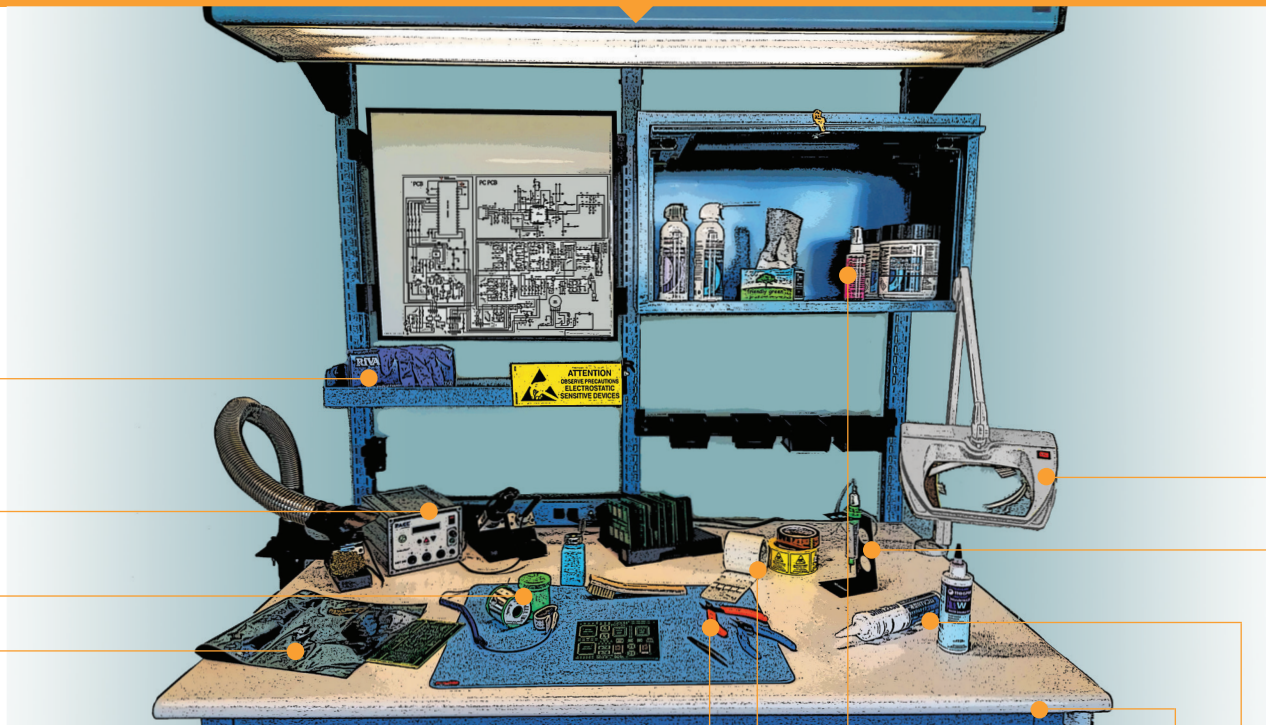
Unique ergonomic stereo microscopes and non-contact measuring systems utilizing eyepiece-less optical technology.

Distributed Products

PCB assembly, cleaning and storage solutions

"We know how..."

When it comes to MRO materials the Murray Percival Co. is your one stop shop!
See below to view our consumables offering



ESD Control

Wrist straps, heel grounders, testing equipment, smocks, bags, mats, hand lotion

Solder Materials

Bar solder, solder paste, wire solder, preforms, flux & flux paste, wave soldering aids

Soldering Equipment

Soldering & desoldering systems, tips, fume extraction, handpieces, desoldering braid

Clean Room & Safety

Gloves, face masks, smocks, adhesive floor mats, footwear protection, lab coats

Tools

Cutters, tweezers, pliers, bits, drivers, torque testers, heat guns, wrenches

Labels, Tapes & Masking

Blank labels, pre printed labels, ribbons, tapes, dispenser & printers, custom label solutions

Cleaning Supplies

Flux cleaners, degreasers, wipes & swabs, stencil cleaners, brushes, aerosols

Material Handling

Bins & storage, shelving, carts & racks, component handling, workbenches, assembly fixtures

Adhesives & Coatings

Conformal coatings, bonding & potting, gasketing, lubricants & sealants, thread lockers, thermal management

Dispensing

Robots, needles & nozzles, syringes & cartridges, manual & pneumatic dispensing, valves

Visual Inspection

Magnifiers, lighting & illuminations, microscopes, video inspection

Who Are We?

"We know how..."

We are the Murray Percival Company, we are a third generation family owned business that was founded in 1960 by Murray Percival Sr. Murray built the company off of the core business principles of honesty, integrity, loyalty and just plain doing what's right.

When you choose the Murray Percival Co, you benefit from a convenient and efficient resource for thousands of MRO products and equipment at the very best prices; a proven technical sales force to answer your questions and offer solutions; and most importantly, a partner with over 58 years of experience to save you time, reduce your costs and improve your processes.

www.murraypercival.com

www.mp-weknowhow.com

evp

Enhanced Vendor Partnership Through

Automated VMI

Our Vendor Managed Inventory program features a comprehensive range of services proven to eliminate MRO issues and positively affect bottom line. Ask us how today!



Our in person sales and process support team, with over 148 years of industry experience, is available throughout MI, OH, IN, KY and Western PA.

Call us today (800)-405-1730

The MurrayPercival Process™

Connect

Establish Trust

Supply Authenticity, Responsiveness & Knowledge

Our Purpose is to understand & improve the process

Identify the Real Problem

Determine the root cause and understand the impact

Provide smart solutions

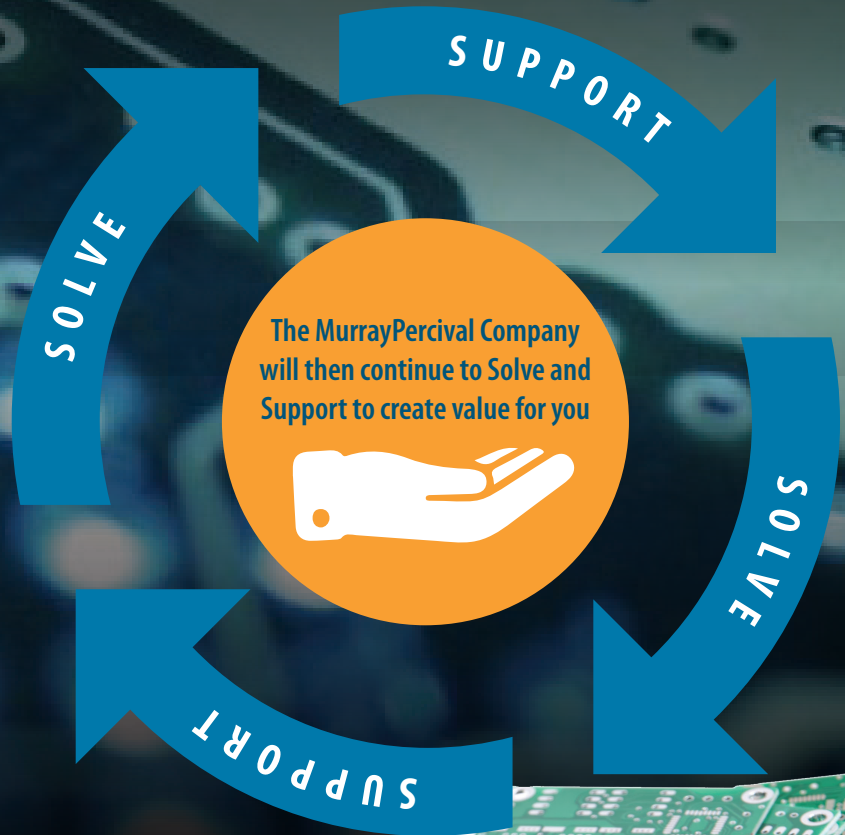
Agree on the desired outcome

Expected Outcome

On time delivery of provided solution

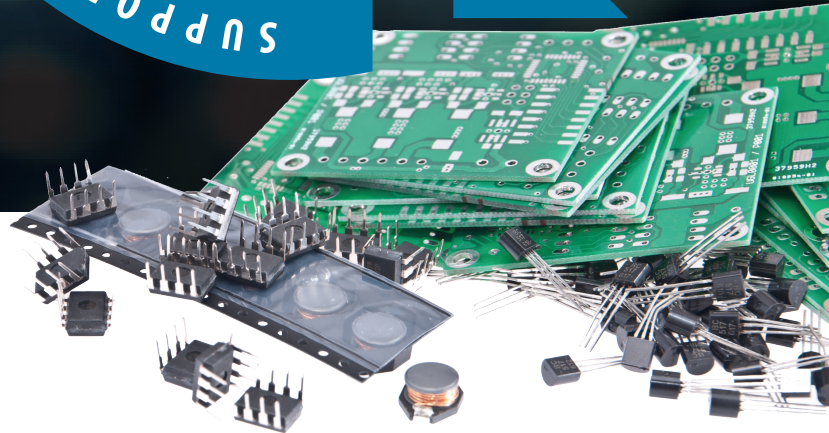
Positive impact on your process

Strong supporting follow up system



"We know how..."

www.mp-weknowhow.com



We make a difference *by living our core values*

- **Rooted In Loyalty** – Our reputation, dedication and long history of serving our customers, principals and industry remains deeply rooted by our loyalty and dedication towards making the difference and always doing the right thing, regardless of the outcome.
- **Driven to Believe** – We welcome adversity and are faithfully driven by the belief that working with and through others, we can conquer and solve most anything.
- **Connected Through Hard Work** – Our team is deeply connected through passion and hard work.



MurrayPercival

Discover it for yourself! Log on and look.

www.murraypercival.com