



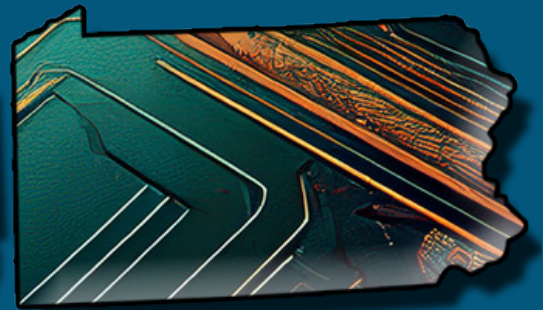
# MurrayPercival

*The Percivalized Experience*



# 65

- Est. 1960 -



# Assembly Equipment

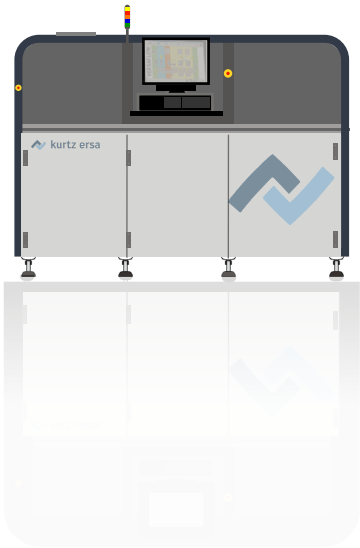


\*Equipment not available in all areas.\*



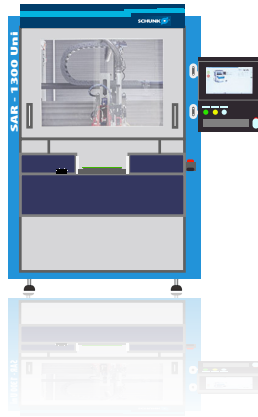
## Selective Soldering

kurtz ersa



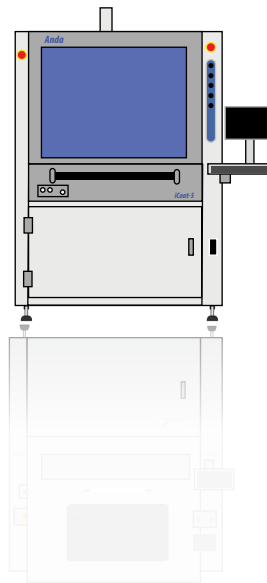
## Board Routing

SCHUNK



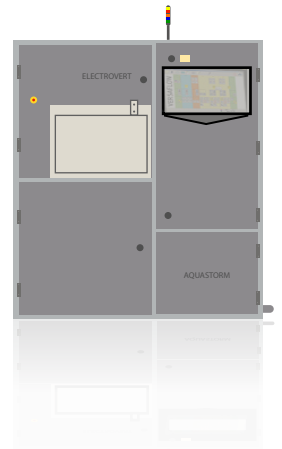
## Conformal Coating

ANDA



## Cleaning

**Electrovert**  
IT - ESE  
 **KYZEN**  
 **RESys**  
INC  
 **pbt works**  
**MAGNALYTIX**

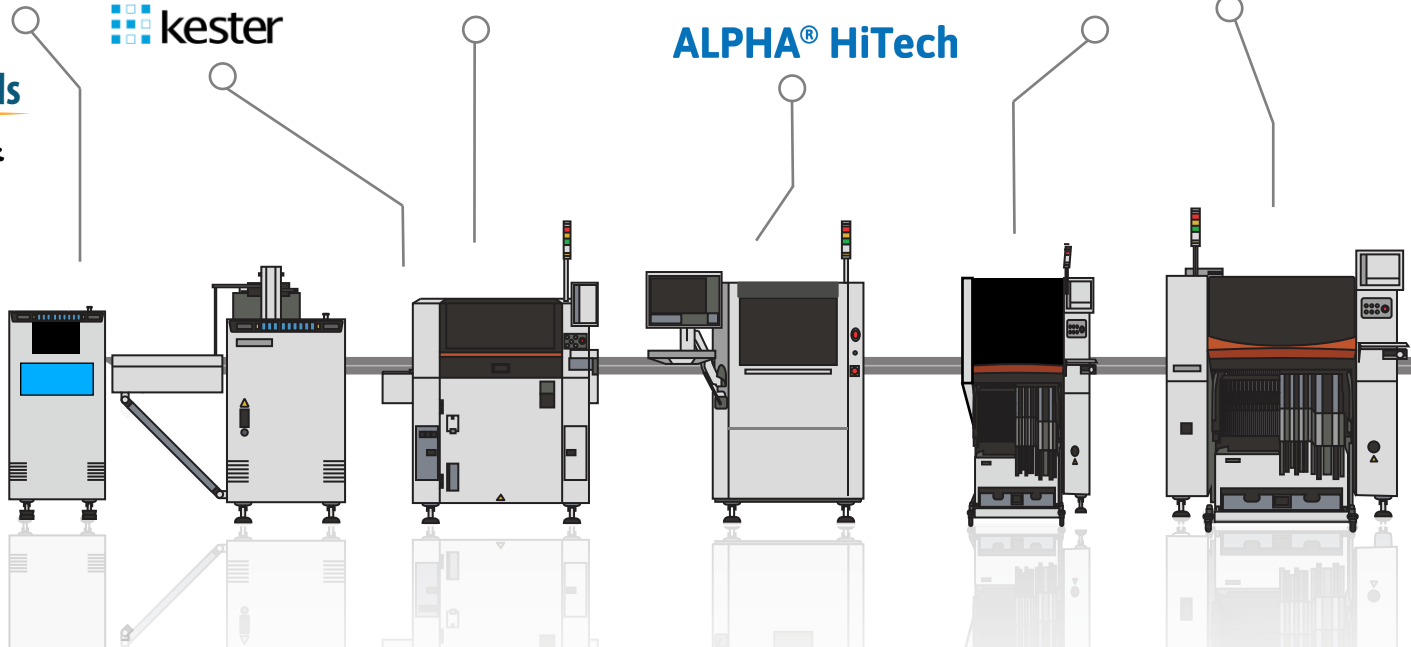


## Bare Board Cleaner

**teknik**  
An ITW Company

## Bare Boards

**Board Shark**



## Solder

**alpha**  
ASSEMBLY SOLUTIONS  
 **kester**

## Printing

**MPM**  
Electronic Assembly Printers ITW EAE

## Dispensing

**Camalot**  
Electronic Assembly Dispensers ITW EAE  
**ALPHA® HiTech**

## Component Placement

**Hanwha**

# Other Processes



## Robotic Soldering



## Nitrogen Generation



## Processes Control / Traceability



## Vapor Phase



## Thermal Profiling



## Component Management



## Automated Rework



## Wire Processing & Stripping



## X-Ray



## Board Support



## Programming & Testing



## Wave/Reflow Soldering



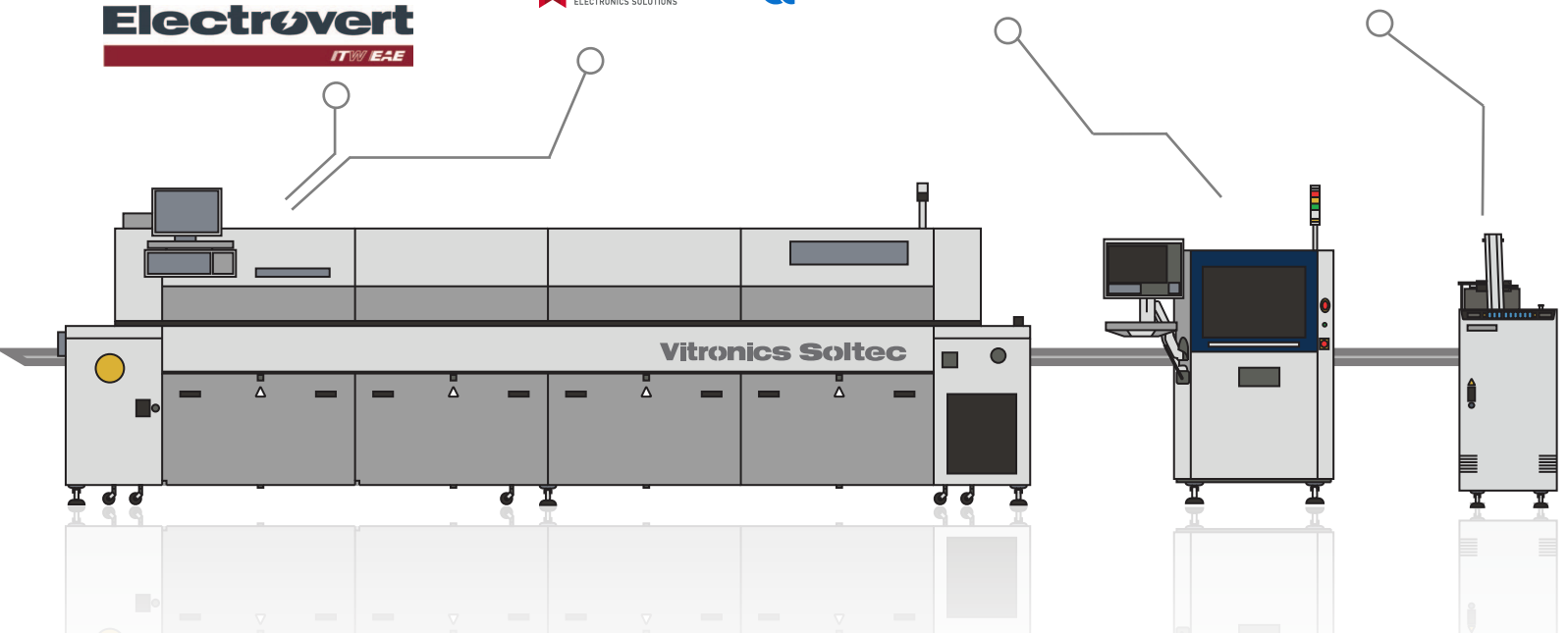
## Fluxing



## SPI/AOI



## PCB Conveyance

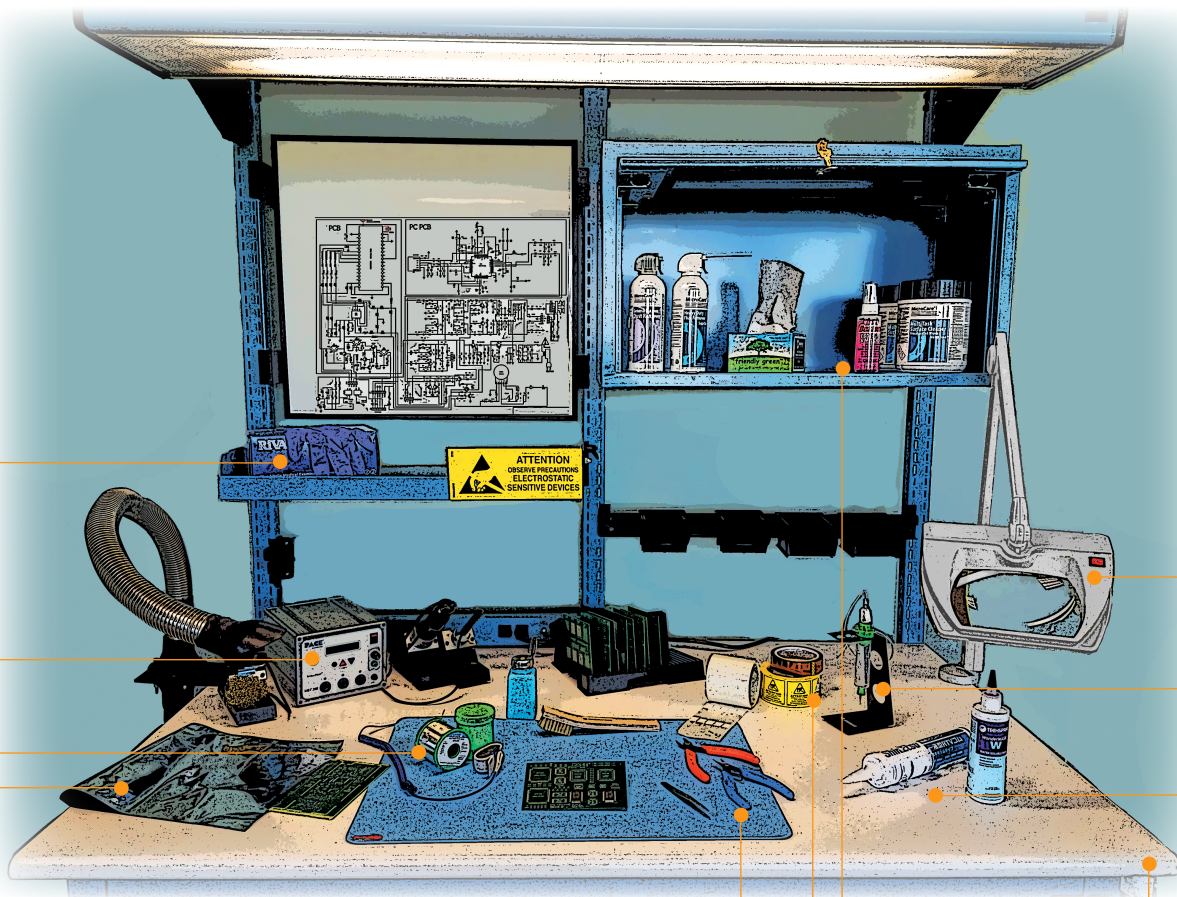


# Production Supplies



	Pneumatic and electric screwdrivers, screw feeders, and torque measuring systems.		Cleaning solutions for all parts of the SMT process including stencil cleaners, reflow cleaners, wave solder finger cleaners, pallet cleaners and more.
	Bar solder, cored wire solder, solder paste, solder preforms, fluxes, cleaners, potting, conformal coating and dross recycling services.		Dispensing pump bottles, ESD brushes, ESD document holders and work station organizers.
	Soldering solutions including soldering pots, irons and accessories.		Carts, storage racks, and PCB material handling systems.
	Vacuum sealers and assisted thermal bag sealing systems.		PCB cleaning solutions that are fast, efficient, safe and cost effective during rework, repair and assembly.
	Tapes and masking boots for industrial manufacturing processes.		Illuminated magnifiers, microscopes and industrial lighting.
	High performance and industrial tools for microscopy, inspection, and precision assembly.		Production soldering irons, SMT repair systems, solder training and fume extraction equipment.
	ESD, laboratory and clean room chairs/stools.		Soldering iron tips, sponges, desoldering wick and accessories.
	Bare Printed Circuit Boards including rigid, rigid-flex, and aluminum circuit.		Static protective storage containers for PCBs and components.
	Polyimide adhesive tapes and films.		Fume extraction solutions for numerous processes including; hand soldering, cleaning systems, conformal coating, reflow ovens, wave and selective soldering, adhesive applications and laser marking.
	ESD control products including grounding devices, mats, smocks, shielding bags, floor finish, ionizers, monitors and testers.		Plastic storage containers as well as bin and wire shelving systems.
	Stencil roll wipes, desoldering braid & solder accessories.		Precision dispensing equipment including robots, valves, dispensers, tips, syringes and more.
	Smart ESD process control including monitors, ionization, test & measurement equipment and software.		RTV Silicone based materials for gluing, sealing, potting and conformal coating.
	Cleaners for electronic circuit assemblies and components for both batch and inline cleaning systems.		Universal splicing products and equipment including, covertape leader tape extenders, double splice tape, carrier tapes, bulk splicing shims, splice tools and more.
	Electropneumatic dispensing systems, two-part mixing systems, syringes and needles.		Static control garments including lab coats, smocks, polos and aprons.
	Durable industrial workstations, workbenches, packing tables, lab furniture and seating.		Cleaners, coatings & other chemicals and tools that improve efficiency, safety and performance in PCB assembly.
	Labeling solutions including blank thermal transfer labels, printers, pre-printed labels, screen-printed overlays, die cut parts and wire marking solutions.		Products that detect, protect, eliminate and monitor electrostatic charges.
	Economical digital and stereo microscope solutions.		Precision, U.S. made, high performance cutting tools and pliers for electronics and wire harness manufacturing.
	Soldering stations, rework, hot air, handpieces irons, cartridges and tips.		Cleanroom supplies including; gloves, wipers, apparel (lab coats, coveralls, shoe covers, face masks), adhesive mats and documentation.
	Environmentally responsible cleaning solvents, presaturated wipes, and understencil roll wipes		Unique ergonomic stereo microscopes and non-contact measuring systems utilizing eyepiece-less optical technology.
			
	Soldering stations, BGA inspection, solder baths and rework systems.		





## 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

## Solder 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

## 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 & illuminators, microscopes, video inspection

# Meet Our Team



- **Rooted in Loyalty** - Our reputation, dedication and long history of serving our customers and vendors remains deeply rooted by our loyalty and dedication.
- **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.



We're Responsive with Definitive Answers



We Take Personal Responsibility



Authentic Team Support

## The Percivalized Experience



## 225+ Years of Combined Experience

**Dave Meert** *Western MI, Northern IN*  
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### Core Value #11 of 30



#### Find a Way

Take personal responsibility for making things happen - somehow, someway. Respond to every situation by looking for how we can do it, rather than explaining why it can't be done. Be resourceful and show initiative.

Find All Murray Percival Core Values Here!

