

Jim Rittman

Manufacturers' Representative

Supporting
N Indiana, Michigan, NW Ohio
With the Following Products:















- Bar Solder
- Wire Solder
- Leaded
- Lead Free

- Lead/Leadfree
 Solder Paste
- Flux core Wire
- SMT Adhesive
- Liquid Flux
- Tacky Flux

- Adhesives
- Underfills
- Conductive Adhesives
- Thermal Adhesives

- PCB Chemistry
- Pallet Clean
- > Stencil Clean
- Defluxing
- MaintenanceCleaning
- Testing Lab

- Stencils
- Advanced
 Nanocoat
- Wave Fixtures
- Process
 Carriers

- SMT Reel
 Splicing
 Materials
- Splicing Tools
- ESDEquipment

- Technical Workstations
- Storage
 Solutions
- Lab & R&D
 Workstations















- Laser Markers
- SMT Printers
- PCB Handling
- PCB Routers
- Palletizing

- > Solder Paste
- Inspection
 Automatic
 Optical
 Inspection
- Automatic Pin
 Inspection

- Complete Line Solutions
- SMT Printers
- SM Dispensers
- Pick and Place
- AOI Inspection

- Surface MountAdhesiveDispenser
- Conformal
 Coating
 Dispenser

(MI & OH Only)

- Stencil Cleaners
- PCB Batch Cleaners
- PCB In-Line
 Cleaners

- Surface Mount Rework
- Through Hole Rework
- Die Placement

- Flying Probe
 - Test Program
 Services

In Circuit Test



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With the Following Products:















- Smart SMTStorage
- MSD Storage
- Stencil Storage
- StorageSoftware

- Radial Thru-
- Axial Thru-Hole Lead Prep
- DIP Lead
 Formers &
 Cutters

- Tape & Reel Services
- FlashPrograming
- Lead Tinning
- Axial & Radial Taping

- FHD Video Inspection
- Measurement Software
- > Image Comparison Software

- Wire Processors
- Cable Strippers
- Wire Strippers
- Tube Cutters
- Heat Shrink
 Cutters

- PCB Reverse Engineering
- Stencil
 Inspection
- Automated
 Inspection &
 Measurement

- Software For:
- Traceability
- Work Instructions
- Scheduling
- QualityManagement















- Ultra SonicWelding
- Heat Staking
- Ultra SonicWire Splicing

- Robots
- Cobots
- Work CellAutomation
- Integration

- Planetary Mixers
- SyringeChargers
- Nano Premix & Pulverize

- Humidification
- Industrial Cooling
- Outdoor &Indoor Cooling

- Wafer Dicing
- Wafer
 Mounter
- Wafer Cleaner
- WaterRecycling

- Bond Test
- Wafer Bond Testing
- Micro Material Testing
- AutomatedBond Testing

- Vacuum Reflow System
- High Vacuum Furnaces