

## Jim Rittman

Manufacturers' Representative

## Supporting:

Michigan Indiana Western Ohio



## ASYS GROUP

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



Select Soldering, N2 Gens, Wave Solder Machines, Slide Lines, Thru Hole Handling



Radial & Axial Lead Prep BGA & Sphere Placement



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



Smart SMT Storage, MODI Receiving Table, MSD Storage, Smart Stencil Storage



PCB Reverse Engineering, Stencil Inspection, Automated Inspection & Measurement



3D Solder Paste Inspection Component Inspection Semiconductor Inspeciton



X-Ray Inspection & Component Counting Systems



Flying Probe, In-circuit Test, Boundary Scan, Funtional Test, Device Programmers

## Aligned Solutions











BGA Rework Solutions, Through Hole Rework, SMT Rework

Fluid Dispensing, Conformal Coating, Hot Bar Soldering

Video Microscopes, Bench Top & Conveyor Mounted Vision Systems

Pb & Pb Free Paste, SMT Adhesive, Liquid & Tacky Flux, Flux Cored Wire

PCB Deflux & Clean. Stencil & Misprint Clean, Maintenance Cleaning





**NathanTrotter** 





Measure Cut & Strip Machines, Tube cutters, Magnet Wire Strippers

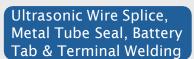
MID AMERICA



Wire Bond Test, Wedge Bar Solder, Wire Solder, Bond Test, Ball Shear Leaded & Lead Free Test



SMT Printer Paper, Production Supplies, **Router Bits** 



Tape & Reel Services, Flash Programming, Lead Tinning



Tooling, Fixtures, **Humidification Control** Stencils & Coatings



Multi Axis Robots & Cobots



Real-time supply chain data, systems integrations & automation in one GUI