

Spectra-Tech Partners with MIRTEC to Provide the Highest Quality EMS Services

What do you get when you combine technical expertise, state of the art equipment, and a hardworking team of customer-service dedicated employees? The answer is Spectra-Tech, a World-Class Electronics Manufacturing Service Provider based in Batavia, Ohio.

Founded in 1998, Spectra-Tech's core employees have a significant amount of experience in PCB manufacturing. This expertise provides their customers the insight to resolve manufacturability issues and product solutions that result in lower cost and higher quality than other PCB manufacturers.

Besides Superior Quality, Spectra-Tech also prides themselves on a team with a 'do what it takes' attitude to deliver each product on time to a satisfied customer, starting with assigning a Program Manager to each new order. The Program Manager is responsible for interfacing with the customer, and helping them customize specific needs for their individual product lines by tracking costs, schedules, and deliveries daily. Changes are managed with timely communication, documentation, and by being highly responsive to all customer requirements.



Spectra-Tech takes pride in providing the Highest Quality EMS Services to their valued Customers

Spectra-Tech continues to invest in the latest technology to provide the highest level of accuracy and quality of assembled products. As part of our commitment to continuous quality improvement, Spectra-Tech recently acquired a total of five (5) new MIRTEC MV-6 OMNI 3D AOI systems," commented Craig Wilson, Vice President of Spectra-Tech. "After evaluating several leading 3D AOI vendors, we selected MIRTEC as the best solution to meet our ongoing quality initiatives."

"At MIRTEC we believe in quality, and Spectra-Tech's quality standards are some of the highest I've ever seen," added Brian D'Amico, President of MIRTEC's North American Sales and Service Division. "We are extremely pleased to partner with Spectra-Tech and are equally committed to their goal of continuous quality improvement. We look forward to a long and prosperous relationship between our two organizations."

MIRTEC's award-winning MV-6 OMNI 3D AOI machines are configured with the company's exclusive OMNI-VISION® 3D Inspection System which combines 15 Mega Pixel CoaXPRESS Camera Technology with MIRTEC's revolutionary Digital Multi-Frequency Quad Moiré 3D System to provide precision inspection of SMT devices on finished PCB assemblies.

This proprietary system yields precise height measurement used to detect lifted component and lifted lead defects as well as 3D solder fillet inspection post reflow. Fully configured these systems features four (4) 10 Mega Pixel Side-View Cameras in addition to the 15 Mega Pixel CoaXPress Top-Down Camera as well as an Eight (8) Phase **COLOR** Lighting System.



“Our MIRTEC MV-6 OMNI AOI machines have performed extremely well. The defect detection capability has proven to be outstanding!” - Craig Wilson, Vice President, Spectra-Tech

“Our MIRTEC MV-6 OMNI AOI machines have performed extremely well!” continued Wilson. “The defect detection capability has proven to be outstanding for both SMT and Through-Hole inspection. We are equally pleased with the level of customer service and after sales support. Any questions or issues we have had were handled both quickly and efficiently.”

The sale of the MIRTEC machines was facilitated by Mr. Fred Binggeli of The Murray Percival Company, which represents MIRTEC in the regions of Michigan, Ohio, Indiana, Kentucky and West Virginia.

Murray Percival Company is a third-generation family owned business that was founded in 1960, and will be celebrating their 60th year in business in 2020. Customers and peers alike attribute the company’s longevity to their integrity and trustworthiness. Murray Percival Company is currently the leading supplier to the Midwest’s electronics industry, offering thousands of capital and distribution products as well as the industry’s leading process enabler.

Whether prototypes, mixed assemblies, low or high volumes, Spectra-Tech is ready to take on the challenge. Their ISO certified processes include qualification of suppliers, incoming and in-process inspections, automatic optical inspection, planned maintenance, failure analysis, and IPC certified personnel.

Spectra-Tech only uses ERP and ISO certified quality systems to deliver the highest quality products at the best

Being committed to continuous improvement, Spectra-Tech has developed a Quality Management system which provides the framework for measuring and improving their performance. Furthermore, to attain customer satisfaction and continuous improvement the following systems are in place:

- Periodic audits of their internal processes
- Training and development of all employees (IPC-A-610 & J-STD-001)
- Selection and monitoring process of suppliers
- Measurable quality objectives
- Management reviews of quality objectives
- Internal audits and improvement opportunities
- Customer satisfaction reviews



MIRTEC focuses heavily on continual improvement with the purpose of constantly increasing the value of the products and services they provide to their customers.

As stated in their core business philosophy: "We provide our customers with the highest quality products and services at competitive pricing. We recognize that our customers are the source of our future growth and as such we strive for a strong, reliable and long-term partnership based on trust and respect. We listen to their needs and deliver prompt service. We consistently work to meet and try to exceed their expectations. We aim to bring positive changes to their business. In short, our ultimate objective is the absolute success of our customers."

Boasting 35 industry awards, MIRTEC is the undisputed Global Leader in Inspection Technology.

"We understand that Electronic Manufacturers are becoming ever more selective in purchasing equipment that will add value to their business and provide them with a much needed edge in this highly competitive industry", continued D'Amico. "With this in mind, an increasing number of manufacturers are relying upon 3D Automated Inspection equipment to help increase profitability by improving production yields and reducing costly rework."

For more information about Spectra-Tech's Outstanding Electronic Manufacturing Services, please visit www.spectratechmfg.com.

For more information about MIRTEC's Technologically Advanced 3D Inspection Systems, please visit: www.mirtec.com.

For more information about Murray Percival Company, please visit www.murraypercival.com.