



No Such Thing as Too Much Inspection, Says Koh Young's Latest Case Study

Koh Young America, the world's leader in optical inspection for electronic manufacturing, is pleased to release a new case study with Matric, a world-class Pennsylvania based EMS with more than four decades of experience. In this latest of a series of case studies the Matric team explore their journey from one offline inspection solution to three inspection machines per line, including pre- and post-reflow AOI.

As an advanced manufacturer with multiple approvals, working in multiple high reliability industries, Matric is fully aware of the need for exceptional quality control, and having Koh Young SPI as well as pre and post-reflow AOI delivers that and more. In the case study, Manufacturing Engineer Doug Bevier, VP of Operations, Patrick Stimpert, and Director of Quality Assurance Liisa Maenpaa explain why these systems are fundamental to their success.

The Koh Young inspection equipment has not just delivered quality assurance and confidence in the manufacturing processes, it has delivered real improvements in performance and efficiency.

Patrick Stimpert joined Matric as VP of Operations to improve efficiency and make the business "quicker, faster, better - and all at the same time." In the time Patrick has been the Vice President of Operations, Matric has become increasingly sophisticated and continues to invest in what is needed to deliver on their promises to the customers. When it comes to the Koh Young equipment what stands out for Patrick, like Doug is the yield improvement. In his own words "it immediately moved us to between 80 and 85 percent yield. Then we looked at our root causes and quickly pushed our yields to 98+ percent, both final yields and first pass yields."

The team goes on to explore the additional value and efficiency achieved by adding KSMART to their multiple inspection machines. Matric has multiple Koh Young KY8030-2 SPIs and pre-reflow and post-reflow Zenith Series AOIs connected with KSMART smart factory solution software.



###



About Koh Young

Established in 2002, Koh Young pioneered the market by launching the first 3D Solder Paste Inspection (SPI) system using a patented dual-projection Moiré technology. Since then, it has become the global leader in 3D measurement-based SPI and Automated Optical Inspection (AOI) equipment for the electronics industry. Based on its True3D™ measurement-based inspection technology, Koh Young has developed new solutions for challenges with Machining Optical Inspection (MOI), Dispensing Process Inspection (DPI), and Semiconductor Packaging Inspection (MEISTER Series), as well as branching out to Medical Robotics for brain surgery (KYMERO). Through its technological innovations, Koh Young has secured thousands of global customers, and maintains the largest global market share in the SPI and AOI markets. Additionally, by adopting its user-centric R&D activities, it continues to leverage core competencies and develop innovative solutions for new and existing markets. Its activities stem from the corporate headquarters in Korea to its global sales and support offices in Europe, Asia, and the Americas. These local facilities ensure it keeps in close contact with the market, and more importantly, its growing customer base to provide access to an award-winning network of inspection and measurement experts. Learn why so many electronics manufacturers trust Koh Young for reliable inspection at kohyoung.com or the regional site at kohyoungamerica.com.

Koh Young America, 1950 Evergreen Blvd., Ste 200, Duluth, GA 30096 kohyoungamerica.com
Brent Fischthal, Senior Marketing Manager, Koh Young America Brent.Fischthal@kohyoung.com

About Matric

For 50 years, Matric Group has been a leader in electronics contract manufacturing, offering services throughout every stage of the product development process. From engineering, PCB assembly, box builds, cable, and harness assembly to aftermarket services, Matric provides turnkey and board-level assembly specializing in low-to-high volume, complex assemblies that other contract manufacturers can't handle. From the BOM, through production, to shipping the assembly, Matric Group works to ensure a high-quality, on-time delivered product. Certifications include AS9100, ISO 9001, ISO 13485, ISO 14001, Nadcap Accredited - Electronics, ITAR, RoHS Compliant, and HUBZone Certified. With over 300 associates between locations, the blend of size, experience, and industry knowledge Matric delivers quality products. Matric Group – "Electronics and People you can count on."

Matric Group, 2099 Hill City Road, Seneca, PA 16346 www.matric.com solutions@matric.com