



## MAROX SEMINAR INOVATIVE SOLUTIONS FOR ELECTROTECHNICS



**February 20, 2020**  
08.00 h



**Hotel\*\*\* Vinársky dom**  
Pezinok, Slovakia

### Program

08.00 - 08.20	<b>Registration</b>	13.20 - 14.00	<b>ALPHA® Argomax® - High Reliability Sinter Technology</b> <i>Daniele Perico (ALPHA)</i> The sintering solution; The new frontier of electrical connection; Soldering versus Sintering; Typical Argomax® Application
08.20 - 08.30	<b>Introduction of the Company</b> <i>Jakub Vach (MAROX)</i>	14.00 - 14.40	<b>Selective soldering</b> <i>Corné Hoppenbrouwers (ALPHA)</i> Selective Soldering Performance of Alpha Fluxes with SACX Plus alloys, Low Solids & SACX, Mid Solids & SACX, High Solids & SACX
08.30 - 09.10	<b>The Importance of a Stencil</b> <i>Corné Hoppenbrouwers (ALPHA)</i> How 2 do it Right? Example from the field. How 2 solve issues with Stencil. Void Reduction Stencils. Tombstoning. Eliminate Solder balls.	14.40 - 14.55	<b>Break</b>
09.10 - 09.30	<b>Aquanox A4727 - Product Awarded at Productronica 2019 Munich - Global Technology Awards, Category Cleaning Materials</b> <i>Marko Navijalić (KYZEN)</i> Compatibility, Bath Performance, Cost Effective	14.55 - 15.35	<b>Automotive and PCB cleaning</b> <i>Martin Kubiček (PBT WORKS)</i> Challenges for PCB kit cleaning for Automotive; PBT Works solution for fully automated washing; Traceability of the washing process; Comparison of flux cleanability
09.30 - 10.00	<b>Technometal PCBs</b> <i>Guglielmo Martinelli (TECNOMETAL)</i> SEMIFLEX™ - a new low cost technology of Flexible PCB, Thermal Management on PCB, Surface finishes for PCBs	15.35 - 16.10	<b>Next Generation Electronic Assembly Cleaning Agents for Cleaning Highly Dense Circuit Assemblies</b> <i>Marko Navijalić (KYZEN)</i> Designing Today's Cleaning Agents. Clean Highly Dense Electronics. Not Attack Assembly Components. Remove Ionic Contamination. Bath Life. Other Factors. Process Acceptance
10.00 - 10.15	<b>Break</b>	16.10 - 16.50	<b>Pin in paste</b> <i>Corné Hoppenbrouwers (ALPHA)</i> Stencil Types. Options to increase solder volume, Additional Solder Volume from not printing and by Preforms
10.15 - 10.55	<b>POP Technologies</b> <i>Corné Hoppenbrouwers (ALPHA)</i> POP assembly directly on PCB	16.50 - 17.00	<b>Discussion</b>
10.55 - 11.30	<b>Robot soldering, Jett printing, SMD adhesives and manual soldering</b> <i>Norbert Süli (ALPHA)</i> How could we increase the volume soldering alloys: dispensing methods, preforms; Methods of the heat transfer; Hand soldering basics; Robotic soldering; Field of applications of SMT adhesives nowadays.	17.00	<b>End of the seminar</b>
11.30 - 12.00	<b>Validation process</b> <i>Martino Taddei (GEST LABS)</i> Time 0, Accelerated Tests and Post stress analysis to validate materials, processes, technology and products	17.15	<b>Dinner with wine degustation.</b>
12.00 - 12.45	<b>Lunch-break</b>		
12.45 - 13.20	<b>Stencil and maintenance cleaning</b> <i>Marko Navijalić (KYZEN)</i> Why clean the stencil? Importance of clean stencils. Understencil wiping. Automatic stencil cleaning. Why is Maintenance Cleaning Important? Cleaning Methods		

You are warmly welcome!  
Workshop organizations are looking forward to your participation!



**Radoslav Holíčka**  
Marox, s.r.o.  
Sales Manager

**Jakub Vach**  
Marox, s.r.o.  
Sales Manager



**The seminar is free for participants.** The seminar will be in English without a translation. Seminar includes refreshment, lunch, raut dinner and wine degustation. Accommodation is paid by each participant himself. The price for a 2-bed room is from 51-57€/night. Hotel room reservation is provided by MAROX. The hotel room cancellation fee is covered the participant. Information about CANCELLATION FEES can be found here: <http://www.vinarskydom.sk/wp-content/uploads/2015/03/ubytovac%C3%AD-poriadok.pdf>



In case of interest, please submit application form **until January 24, 2020** to e-mail address: [maria.kovacova@marox.sk](mailto:maria.kovacova@marox.sk)



**The seminar location**  
Hotel \*\*\* Vinársky dom  
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