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## SEHO Soldering Expert to Discuss Resource & Cost Efficient Wave Soldering at SMTAI

SEHO North America, Inc. is pleased to announce that Arne Neiser, Product Manager, will present “Resource-efficient and Cost-effective Wave Soldering - Plasma fluxing, Pulsar Preheating and Lead-free Low Temperature Soldering” during the Spotlight Series of the technical conference at SMTA International on Wednesday, Sept. 20, 2017 at 8 a.m. The SMTA International Technical Conference is scheduled to take place Sept. 17-21, 2017 at the Donald E. Stephens Convention Center in Rosemont, IL.

In this paper, the latest technologies for wave soldering are presented, along the process chain. Starting with plasma fluxing, an alternative to liquid based fluxing is described, that offers low cost (100 percent solids) while being environmentally friendly (no VOCs). The latest soldering results using this technology will be discussed and basic conditions when this process can be efficiently introduced into a factory environment will be presented.

Concerning preheating, previous heaters like infrared heaters were not usable for mixed production without long delays for switching between different settings. To resolve this limitation, pulsar heaters can be used for preheating that offer a quick response while having a radiation wavelength that is very well absorbed by PCB materials. Using these preheaters, high mix and high volume production is possible within the limits that were identified by test series using massive and slim assemblies.



Additional methods will be discussed to even further reduce power consumption. For further information, please visit SEHO in booth #1325 at SMTA International or online at [www.seho.de](http://www.seho.de).