

DEK Electroform Variable Aperture Height Technology (VAHT)

DEK VAHT technology offers a unique alternative to multi-level stencils for non-homogeneous assemblies that call for larger, area-specific paste volumes to accommodate bigger components.



Electroform stencils can be produced with modifications to accommodate specific applications. One such adaptation is a technique called Variable Aperture Height Technology (VAHT), whereby a gasket overgrowth is created around apertures to create more aperture height to allow for increased paste volumes to be deposited.

VAHT is ideal for PCBs that incorporate both small and large components that require varying amounts of solder material. Aperture gasket height can be 1 to 2 mils higher than the base stencil thickness.

Benefits:

- Ideal for heterogeneous assemblies, allowing printing of various solder paste volumes with a single stencil
- Improved throughput

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