

PRODUCT INFORMATION



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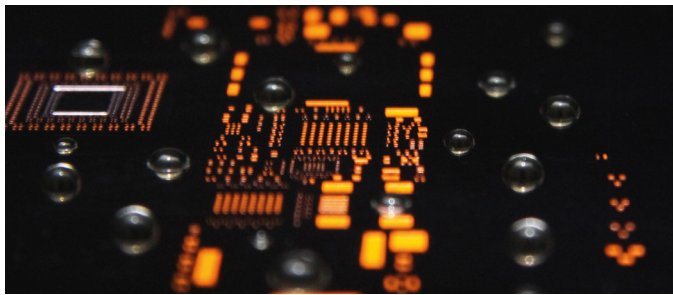
PLASMA COATING TECHNOLOGY

CK PLASMA COATINGS

Our **CK PLASMA** coating can help you make substantial savings within your electronics production processes, while increasing process reliability and, in turn, the profitability of your printing process. CK PLASMA is a functional surface coating that decreases the surface energy on the printing tool and in apertures. In other words, adhesion is significantly reduced.



Thanks to the coating, paste comes away much more readily, minimizing contamination. Our CK PLASMA coating therefore ensures that the volume of paste is consistent throughout the entire printing process. This leaves plenty of scope for many more prints before the underside needs to be cleaned again.



Our **CK PLASMA 3** coating is our latest development that has been designed to allow you to meet the printing requirements of the future with process reliability guaranteed, with a particular focus on ultra fine line & pitch applications.

OVERVIEW OF THE BENEFITS AND APPLICATIONS OF CK PLASMA COATING

CpK, process capability	++
Cleaning of the stencil underside	++
Chemical resistance	++
Mechanical resistance	++
Contact angle	++
Electropolishing (EP)	Not required
Stencil material	Stainless steel CK Nanovate™ Nickel
Component sizes	01005, 0201 met QFN 0.3 mm µBGA
Products	Stencil, screen, squeegee, tools

FAQS

- ✓ **Where exactly on the stencil is the PLASMA Coating?**
The coating is applied on the underside (circuit board side) and in the apertures using our PLASMA reactor. Coating the inner walls of the apertures ensures that paste comes away from them much more readily. The coating on the underside reduces the adhesion of flux and solder balls.
- ✓ **How resistant is the CK PLASMA coating?**
Over the years, we have managed to continually improve the resistance of our CK PLASMA coating. When used properly, our CK PLASMA 3 coating can be relied upon to deliver a consistently high level of process reliability.
- ✓ **Which cleaning media are suitable for the CK PLASMA coating?** Please get in touch if you would like us to send out a detailed list of the media we have already tested.

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