

TECHNICAL DATA SHEET**KT-7176 STEEL STENCIL CLEANER****OVERVIEW**

KT-7176 Steel Stencil Cleaner is an environmentally friendly water-based cleaner specifically developed for cleaning solder paste stencils in SMT printing machines. It uses deionized water as the main solvent, combined with various surfactants and other additives. It is primarily used for automatic inline cleaning and offline manual cleaning of SMT stencils, as well as cleaning solder paste residues from squeegees.

The cleaner exhibits excellent solubility and wetting properties for solder paste residues and is effective in cleaning fine-pitch and small holes in stencils, preventing bridging and reducing solder beads during the soldering process. It has a short cleaning time, leaves no residue after cleaning, and dries quickly when wiped, without negatively impacting subsequent printing processes. KT-7176 has improved cleaning capability and speed. It is non-flammable, making it an ideal replacement for traditional solvent-based cleaners. It does not volatilize during use and has a long service life.

As electronic products become smaller, lighter, and more precise, the importance of cleaning in the manufacturing process grows. KT-7176 water-based cleaner eliminates fire hazards associated with traditional cleaners and meets ever-increasing environmental standards, aligning with the future direction of the cleaning industry.

Advantages:

1. Uses deionized water as the solvent, non-flammable, safe to use, with no need for additional explosion-proof measures.
2. Complies with environmental standards: ROHS & REACH.
3. Mild odor, easily acceptable for operators.
4. High cleaning load capacity with a long service life.
5. Low VOC content, meeting low-VOC cleaner standards.

Product Specifications:

Product Model	Water-Based Cleaner KT-7176
Appearance	Pale yellow, semi-transparent liquid
Density (25°C) g/cm ³	1.01 ± 0.05
pH Value	7.0 ± 0.5
Flash Point (°C)	None
Water Solubility	Easily soluble
Usage Concentration %	100
Packaging Specification	20kg & 25kg/barrel



Cleaning Test Implementation:

We can recommend suitable cleaning agents based on the client's parts, contaminants, and cleaning requirements and conduct relevant cleaning tests to confirm a reasonable cleaning process. We provide valuable cleaning test reports and offer efficient and thorough cleaning solutions to our clients.

Optimal Usage Temperature:

40 ~ 50°C

Usable Processes:

Ultrasonic cleaning, spray cleaning, soaking. (Different cleaning processes provide different cleaning parameters)

Usage Process Requirements:

After cleaning, rinse thoroughly with pure water.

