

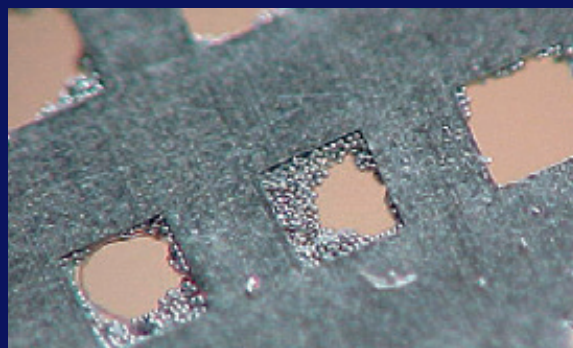


Introducing the Gensonic
a manually operated
ultrasonic transducer
unit for cleaning stencil
apertures.

Gensonic Stencil Cleaning

The Gensonic can be used either directly on the printer or the stencils can be taken to the Gensonic Stencil Cleaning Centre.

Screen printed solder pastes tend to compact and trap particles into aperture corners and Lead Free solder pastes, that are less dense, tend to demonstrate this tendency even more.



To clean effectively requires both cleaning chemistry and mechanical agitation. Direct Ultrasonic Contact cleaning is the ultimate way to clean SMT stencils. Employing a 40kHz ultrasonic generator, the single transducer head cleans with great efficiency even in tougher applications such as partially set glues.

Adhesive residues can be easily and effectively removed from laser cut stencils; misprinted boards can also be thoroughly and repeatedly cleaned.

Stencil cleaning using Gensonic typically demands less than 50ml of cleaning solution per stencil thereby reducing environmental impact and cost.

Features:

Safe & Simple to use

No risk of stencil damage

Typical 3 minute
cleaning cycle

Suitable for both stainless
steel & plastic stencils

Cleans Solder paste or
SMD Adhesives

Accepts both foils or
framed stencils

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E&OE



GENSONIC
Stencil Cleaning

Gensonic cleans stencils more effectively

“Solder pastes, especially lead-free pastes tend to become compacted and trap particles, blocking fine apertures and deforming aperture corners. Using proven industry cleaning solution and the Gensonic ultra-sonic transducer directly on the stencil, even the smallest tightest pitch apertures can be cleared and perfectly cleaned. Many users have found that their conventional cleaning systems are 80% to 90% effective, leaving the smallest most sensitive apertures partially occluded. Using the Gensonic these apertures can be cleared and renewed. This system is effective as a localised cleaner, applied during the print cycle while the stencil is in the printer, preventing expensive and time-consuming shutdowns required to clean problem apertures.”

Extract of a technical paper from Blackberry, Dr Beverley Christian entitled: Cleanliness of Stencils and Cleaned Misprint Circuit Boards – Précis:

Gensonic not only cleans – it polishes:

A Russian customer found that the Gensonic not only cleans with extreme efficiency, but it actually re-polishes his stencils making them easier and better to print with.

Gensonic cost effective cleaning:

In the USA, a customer who relocated into new premises left his floor-standing stencil cleaning system behind “because the Gensonic does a better job, quicker, easier and more economically”.

Using the Gensonic with the Stencil Cleaning Centre:

Stencil cleaning in 4 simple steps:

Step One

The stencil is placed into the SCC frame mounted over the special foam pad that is overlain with a disposable paper. Then simply spray on sufficient cleaning solution to dampen the under-screen paper.



Step Two

Place stencil into the support chase and spray fluid over image area.



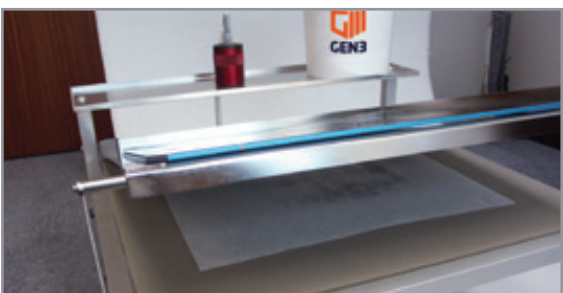
Step Three

Move GENSONIC Transducer over image area. Foot switch operated.

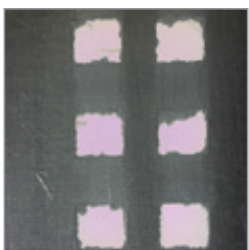


Step Four

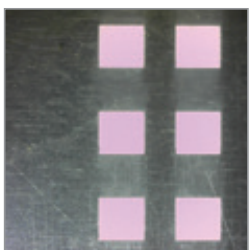
Secure chase to raised position allowing top and underside drying.



Under-screen paper on a “cleaned stencil” that was then Gensonic cleaned – a perfect print



Stencil before cleaning with Gensonic



Direct Ultrasonic Contact cleaning with Gensonic

Gensonic - The definitive stencil cleaning system

Gensonic can be used in-situ at the printer saving time and money!

Normally, production has to be halted to shutdown a printer that requires stencil cleaning. The standard routine is to then remove the stencil, clean it – or replace with another – re- install the stencil, re- align and re-start production. Overall, a downtime of at least 45 minutes.

Adhesive residues can be easily and effectively removed from laser cut stencils using the Gensonic, employing a very similar method for removing solder paste.

Gen3 has been working closely with Christian Koenen, the highly successful German stencil specialists. CK recently introduced their new M-TeCK stencils that feature micro- apertures that presented a major cleaning difficulty that was overcome, very successfully, using the Gensonic.

Technical Specifications:

Dimensions: 300mm x 210mm x 90mm (L x W x H)
Voltage: 220-240volt ac 50Hz ,1amp OR 110 volt ac 60Hz, 2amp
Weight: 3.7 Kgs

Gensonic Stencil Cleaning Centre:

Gen3 offer a Stencil Cleaning Centre that enables stencils to be placed in it for easier operation. These are offered in two sizes:

SCC24 - For 584 x 584 mm stencils
SCC29 - For 740 x 740 mm stencils



Gensonic with Transducer Head

