



The EU Restriction of Hazardous Substances directive (RoHS) imposes as from 1 July 2006 a restriction to the Member States of the use of certain hazardous materials in electric and electronic devices.

LEAD-FREE SOLDERING....

CLOSER BY THAN YOU THINK!

It is a known fact that the European Union has forbidden the soldering with lead in most lines of business from July 2006.

This for the benefit of men and environment, but the industry faces an enormous challenge. Especially the soldering industry, with important applications in electronics assembly, is looking for a full substitute of the SnPb alloy.

For various reasons a large number of companies has not yet effected the change-over to leadless soldering. However, the day on which soldering with lead will be forbidden according European law, comes ever closer.

What can TwenTech do for you?

Besides the purchase of a lead-free soldering machine, TwenTech offers the possibility to adapt your current wave soldering machine. This adaptation can be carried out in situ or outside; moreover, it is also possible to exchange your current machine for an adapted one.

What does this adaptation imply?

The following modifications are carried out:

- A spray-fluxer is built onto the front of the machine and the existing fluxer is removed, thus creating space for an additional pre-heating element.
- Above the pre-heating zone a hood is installed, which prevents loss of heat.
- A new titanium double-wave tray is built in; the pumps can also be replaced by titanium pumps.
- A nitrogen hood is installed above the wave.
- The position of the pumps will be adjusted to reduce them to temperature exposure.

Because leadless solder alloys require higher soldering temperature than those with lead (some dozens of degrees Celsius), it is necessary to shield the waves and the surrounding area with nitrogen, in order to avoid oxidation.

Nitrogen aggregate.

In case a nitrogen supply is not available yet, TwenTech can offer you a solution as well:

a stand-alone filter-unit, in cupboard size, processes your compressed-air directly into the required nitrogen for your wave soldering machine.

The big advantage of this modular nitrogen system is that it can be placed directly within your manufacturing facility without the necessity of additional constructions and permits.

Furthermore, this system is cheap to maintain.



Contact us for questions or more info

Let's meet at



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