

Key Card sanitiser

key **CLEAN**



TLJ access control



Key cards are **bacteria** hotspots

How many different hands have your key cards passed through? A tricky question for most operators, but one which is particularly relevant in the 'new normal'.

Many studies have found that the cleanliness of hotel rooms has a major impact on guest satisfaction. Moreover, poor cleanliness of hotel room key cards is a source of contamination for guests' hands.

For years this area of hotel sanitation has been ignored; a key card is often the first thing a guest encounters upon check-in, and is touched regularly throughout their stay.

A recent American study used bioluminescence to measure the relative contamination of key card samples.

It was found that 3-week-old key cards showed contamination levels almost 5 times higher than new key cards. Even then, only 60% of new key cards were found to be 'clean'. *

It has been known for decades that high-energy UV light has tremendous germicidal properties when applied in the correct dosage to disease pathogens like bacteria, viruses and other microorganisms.

TLJ's innovative solution, like all great ideas, is simple: our keyClean® key card sanitiser oven is an easy to use, mains powered desk-top unit that uses UV-C light to quickly, safely and effectively destroy pathogens on the surface of the key card. It also uses ozone generation technology to enhance the cleaning process.

* Test details available on request.

How does it work?

'Dirty' key cards are loaded into the bespoke cleaning tray (supplied). This fits snugly into the oven with the spacing between cards carefully calculated to optimise the cleaning action. Up to 84 key cards can be cleaned at once.

The process takes no longer than 30 minutes, and the oven comes with an auto timer calibrated in convenient 15-minute steps.

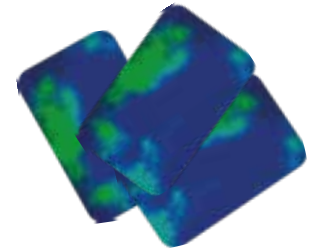
The interior of the oven is a highly reflective waveguide chamber that ensures the key cards are completely saturated with UV light. A bi-product of the process is ozone, which boosts the germicidal action of the oven.

Quality construction and a UV-opaque door ensure the oven is totally safe for the user. Power is automatically cut if the door is opened accidentally during operation.

The science

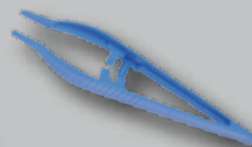
High energy UV-C light penetrates further into living tissue than less harmful UV-A and UV-B wavelengths. The effect on bacteria and viruses is to severely disrupt their cellular DNA & RNA, preventing them from reproducing and ultimately destroying them.

The lamps used in TLJ's keyClean® oven emit in two distinct bands, centred around 185nm and 254nm wavelengths. The latter is responsible for UV-C production and the former dissociates molecular oxygen to form ozone.



The benefits

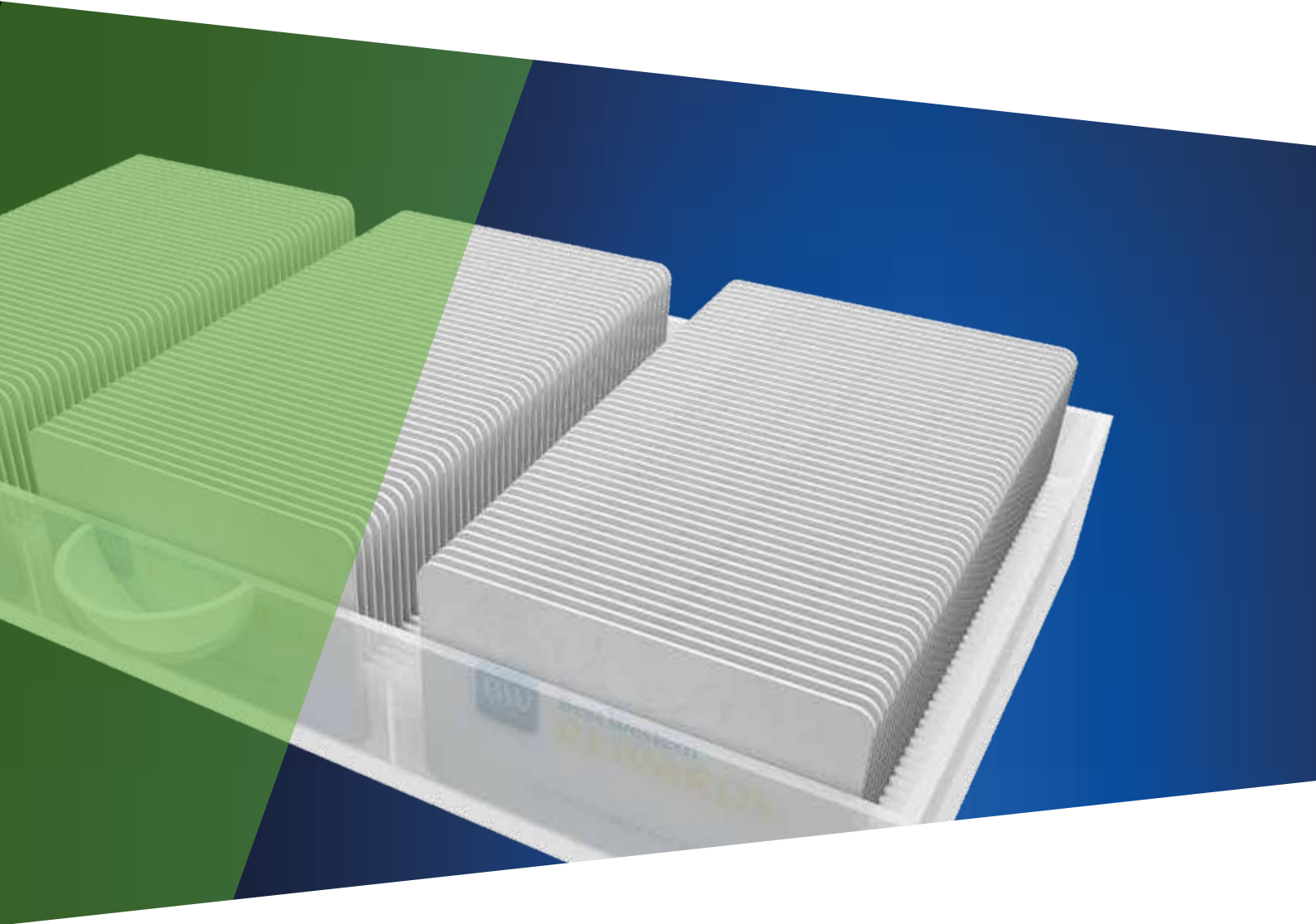
- Compatible with any brand of key card, fob or wristband
- Safe and simple process - minimum user intervention
- **Everything included** - comes with keyClean® oven, key card tray, handling tongs, 100 x disposable gloves and 500 x keyClean® card pouches
- Peace of mind for your guests and staff
- Tangible proof for guests of your commitment to hotel cleanliness
- Compact and easy on the eye. Main unit dimensions: 350mm (W), 210mm (D), 245mm (H)
- A powerful marketing tool that gives your hotel the competitive edge



Everything shown here is included.

Further supplies of pouches, gloves, tongs and trays can be purchased from TLJ

Contact **US**



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