

Airport security: 3D baggage scanners could end liquid restrictions

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Several US airports have already installed 3D scanning equipment

All major UK airports must introduce 3D baggage screening equipment before the end of 2022, the government says.

Ministers say the technology will boost security, speed up pre-boarding checks, and could end the restrictions on travelling with liquids and laptops.

The equipment, similar to CT scanners used in hospitals, is already being installed at London's Heathrow Airport.

It provides a clearer picture of a bag's contents, which staff can zoom in to and rotate for inspection.

Currently, passengers taking liquid in their cabin baggage are restricted to containers holding no more than 100ml, which must be shown to security staff in a single, transparent, resealable plastic bag of about 20cm (8in) x 20cm.

The limits have been in place since November 2006. Their introduction ended a ban on liquids in the cabin imposed three months earlier, when British police said they had foiled a plot to blow up as many as 10 planes using explosives hidden in drinks bottles.

Announcing the new plans, Prime Minister Boris Johnson said the scanners would cut down on "hassle" for travellers and improve security.

"By making journeys through UK airports easier than ever, this new equipment will help boost the vital role our airports play in securing the UK's position as a global hub for trade, tourism and investment," he added.



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Heathrow has revealed it is spending £50m in order to roll out the technology over the next few years.

It is the first UK airport to install the equipment, which it has been trialling since 2017.

The airport's chief executive, John Holland-Kaye, said it would make travel "less disruptive", adding that the scanners were able to see what liquid was contained in luggage.

The scanners are set to be rolled out to other UK airports over the next few years.

Transport Secretary Grant Shapps said the new equipment means "no more pulling out your socks and your underwear, and having to separate your liquids and and take your laptops out".

He added that aviation companies would be paying for the changes, rather than the taxpayer.

The technology is already being used by US airports, including Atlanta's Hartsfield-Jackson and Chicago's O'Hare.

機場維安：使用3D科技來掃描行李，有可能解除旅客限帶液體的規定

英國政府宣佈，在2022年底前，會在英國重要的機場內設置3D科技掃描設備。

相關部長說這項科技可以強化機場維安，加速登機前檢查手續，而且解除限帶液體以及筆電的規定。

這種設備，和醫院使用的斷層掃描設備類似，目前在倫敦希斯洛機場安裝之中。

這種設備提供相當清晰的行李內部影像，操作人員可以藉由放大，或者旋轉影像來檢查。

目前，旅客的手提行李中只能攜帶容器，裝載少於100毫升的液體，這種容器必須放在一個透明，可以重新封口的塑膠袋裏面(體積大約是20公分(8英寸)x20公分)交由檢查人員檢查。

上述允許攜帶少量液體的規定是在2006年11月開始實施的。這樣規定的引進終止了之前三個月的完全禁止攜帶液體進入機艙的規定，而那完全禁止攜帶液體的規定是因為英國警方發現並破解了有人想把液體爆裂物裝進飲料瓶，企圖炸毀數量達10架飛機的陰謀。

英國首相鮑里斯·強森說安裝這項新的掃描裝置，可以降低旅客的不便，並強化機場維安。

鮑里斯·強森說“這項設備讓旅客進出英國的機場比以前更便利，可以強化英國機場爭取作為全球貿易，旅遊，還有投資的樞紐地位。”

倫敦希斯洛機場透露在往後數年內，他們將花費五千萬英鎊來安裝運用這樣的科技設備。

倫敦希斯洛機場是英國安裝這樣設備的第一座機場，安裝工作從2017年即開始。

機場首席執行官 約翰 侯藍-凱 說這樣的設備會減緩旅客的不便，同時也指出，這樣的設備可以分辨出行李中的容器內裝載什麼樣的液體。

這樣的設備會在往後數年內推廣到英國其他的機場裝設使用。

運輸大臣 格蘭 沙坡 說有了這樣的設備“旅客就不必從行李箱中翻出襪子，內衣，而且不必單獨拿出液體還有筆電來檢查。”

格蘭 沙坡說這樣的設備成本將由航空公司，而不是由納稅人，來負擔。

相同的科技設備已經在美國的機場，包括亞特蘭大的哈斯菲爾德機場及芝加哥的奧黑爾機場，使用。