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Fly through security at MIA with new screening technology
Newly installed CT scanners allow passengers to leave electronics in carry-ons

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(MIAMI, April 12, 2022) – Security screening at Miami International Airport in the post-COVID-19 era just got easier, thanks to the installation of state-of-the-art computed tomography (CT) scanners at MIA's eight busiest Transportation Security Administration (TSA) checkpoints. Passengers traveling through a lane with a CT scanner are now permitted to leave laptops and other electronic devices in their carry-on bags.

The new technology provides improved explosive detection screening by creating a 3-D image that can be viewed and rotated on three axes for thorough visual image analysis by a TSA officer. If a bag requires further screening, TSA officers will inspect it to ensure that a threat item is not contained inside.

Like the existing CT technology used for checked baggage, the machines use sophisticated algorithms to detect explosives, including liquid explosives. The CT checkpoint units were designed with a smaller footprint than those used for checked baggage to allow accommodation in the constrained space of a passenger screening area.

TSA is focused on testing, procuring, and deploying additional CT systems in airports as soon as possible. TSA is continuing to develop enhanced algorithms to address evolving aviation threats while decreasing the number of physical bag searches needed to resolve alarms and thereby improve operational efficiency and automated detection. These seven units join three others previously installed when MIA became one of the first airports in the country to begin rolling out this technology in TSA checkpoints.

TSA continues to partner with security equipment manufacturers, airlines and airports to raise the bar for technology standards and provide even stronger and more efficient security. For the most up-to-date information about CT visit TSA's emerging technologies page.

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