



Autonomous X-Ray Screening

Evolv eXpedite™

Efficiently screening a High Volume of Visitors with Bags can be Challenging.

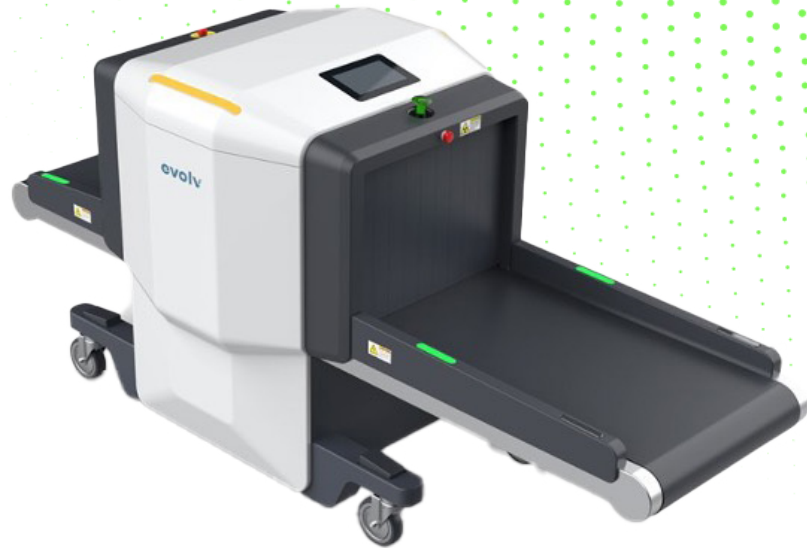
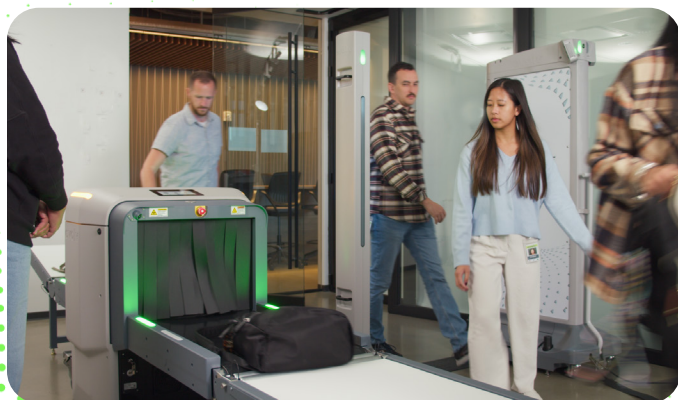
Security teams are constantly looking for ways to streamline the entry screening process.

Handling a large volume of people that have many bags can create a "high clutter" environment, making the task difficult. While it's important to keep the flow of visitors moving to maintain a positive visitor experience, it's also important to maintain a high level of security without overburdening the security staff.

One way to manage high clutter bag environments is to use X-ray bag scanners alongside the screening systems that people walk through. But X-ray bag scanners that require highly trained operators to identify threats in the X-ray image may place a burden on the security staff and can slow down the entry process.

Evolv eXpedite™ AI-Based Weapons Detection for Bags

Evolv eXpedite is a purposed-built X-ray scanner designed to work autonomously to detect many concealed threats in bags. Evolv eXpedite works alongside Evolv Express® to help provide a layered security approach to concealed weapons detection.



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Evolv eXpedite and Evolv Express® for Concealed Weapons Detection

Evolv partners with schools, hospitals, performing art centers, stadiums, industrial workplaces, and other venues to offer a modern solution for security professionals seeking to balance safety with a positive visitor experience. Trusted by 800+ customers, Evolv Express provides concealed weapons detection that uses advanced sensor technology and artificial intelligence to help pinpoint the location of potential threats and differentiate them from many everyday items. Evolv Express has screened over 1 billion people since 2019, designed to screen visitors effectively while helping minimize congestion and disruptions to traffic flow at ingress points.

Evolv Express and Evolv eXpedite are part of the Evolv Safer Experience System™, a connected and layered approach that integrates people and technology to help deter, detect, and orchestrate response to physical security threats. Unlike standalone solutions, the Safer Experience System combines brandished firearm detection, concealed weapons detection, a personal safety app and data analytics into a unified security infrastructure. Evolv's unique "Red Box" visual alert is used across many Safer Experience System products to help identify the threat location.

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How Evolv eXpedite Works with Evolv Express

Evolv eXpedite can be positioned next to Express so that people can place their bags on the eXpedite conveyor belt as they are walking through the Express system. The speed of the eXpedite belt—about 0.75 m/sec—aims to allow people to walk through at their normal walking pace. Then they can simply pick up their bags on the other side and keep going.

Evolv eXpedite is designed to autonomously scan the bags on the conveyor belt to detect potential threats. The system uses advanced AI and high-speed x-ray imaging technology to distinguish potential threats from many everyday items. If a threat is detected, the green lights on eXpedite turn red and the conveyor belt automatically stops. A connected tablet shows the bag's image with a "Red Box" to highlight the bag containing the potential threat and further X-ray image detail to aid resolution.



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The combination of "Red Light / Green Light" output and the Evolv "Red Box" that identifies the bag to search, aims to make it easy for security staff to operate Evolv eXpedite. They don't need to continuously monitor a computer screen to identify potential threats and determine whether to stop the belt or not. And they don't need specific training to interpret an X-ray image.

Using Evolv eXpedite in conjunction with Express aims to allow Express to run at a higher sensitivity level with the goal to keep false alarm rates (FAR) low. This means that the combined solution is designed to detect more threats without putting an excess burden on security teams.



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Evolv eXpedite Delivers



Autonomous threat detection of concealed weapons in bags



High throughput of people walking at their normal pace through Express while their bags are being scanned by eXpedite



Red light/green light operation aims to eliminate the need for X-ray image interpretation and accompanied training



Evolv's "Red Box" identifies the bag with the potential threat(s) to support resolution



Eliminates workarounds such as taking out laptops and passing them around the walkthrough screening system



The ability to operate Evolv Express at higher sensitivity levels with the goal to keep FAR low

About Evolv Technology

Evolv Technology (NASDAQ: EVLV) is designed to transform human security to make a safer, faster, and better experience for the world's most iconic venues and companies as well as schools, hospitals, and public spaces, using industry leading artificial intelligence (AI)-powered weapons detection and analytics. Its mission is to transform security to create a safer world to work, learn, and play. Evolv has digitally transformed the gateways in places where people gather by enabling seamless integration combined with powerful analytics and insights. Evolv's advanced systems have scanned more than a billion people since 2019. Evolv has been awarded the U.S. Department of Homeland Security (DHS) SAFETY Act Designation as a Qualified Anti-Terrorism Technology (QATT) as well as the Security Industry Association (SIA) New Products and Solutions (NPS) Award in the Law Enforcement/Public Safety/Guarding Systems category. Evolv, Evolv Express, Evolv Insights, and Evolv Visual Gun Detection, Evolv eXpedite, and Evolv Eva are registered trademarks or trademarks of Evolv Technologies, Inc. in the United States and other jurisdictions. For more information, visit <https://evolv.com>.



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