

A Guide to Getting to Know Your Child's School Security Screening System

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Students and teachers have a fundamental right to feel and be safe in the classroom. Advanced weapons detection screening is helping to keep schools safer and empowering teachers to bring the focus back to education, as it should be, so that learning, development and wellbeing of children is at the center of the school day.

Who is Evolv Technology?

Evolv was founded in 2013 with a vision to keep people safe at schools, stadiums and arenas, performing arts venues, houses of worship and everywhere people gather. Our founders have personal experiences that drove them to develop a better security solution to make places where people gather safer without the negative experience associated with airport, courthouse or prison security. They knew there had to be a better way. Each member of the Evolv team shares a deep sense of purpose and commitment to our mission of helping to make the world a safer place. We've assembled leaders in physics, engineering, security, intelligence, and operations to build technology to bring that vision to the market.

Keeping schools safe is at the center of our mission. We believe that your children and their educators deserve to be safe. It's their right. It's our purpose.

About Evolv Express®

Evolv Express® is not a metal detector. Evolv Express is an advanced weapons detection system. Evolv Express uses artificial intelligence and sensor technology to instantly distinguish a phone or personal item from a potential weapon or component of a weapon. Unlike a metal detector, Evolv Express is not looking for metal, but rather, for weapons and parts of weapons only.

Today, we move through life expecting a touchless, frictionless experience. We carry technology with us. Through a combination of powerful sensor technology and proven artificial intelligence, we can now screen for threats at an unparalleled ease and speed with digital insights that continually improve security. Students enter their school building, being screened for weapons at the natural pace of life, while being greeted by a school representative at the start of their day. Working to keep weapons out of the building without creating a stressful experience for students or teachers has been a game-changer for schools around the country.

How Evolv Express Works

Educators, parents and caregivers need peace of mind when their children are at school, and students need to feel and be safe. Invasive weapons screening does not work in a school setting. Screening procedures that rely on metal detectors, hand wands, and invasive bag checks are slow and manual, resulting in uncomfortable, and unsafe, crowding that can increase anxiety and set a negative tone for the school. We want children to feel safe, feel welcome, and feel seen when they enter the building to start their day.

Evolv Express empowers schools to increase the safety of their buildings while greeting students every morning at school by someone dedicated to their well-being. Because the

system is only looking for weapons and components of weapons – not people or personal items – bias and anxiety are greatly reduced.

Here is how the Evolv Express system works:

Scenario 1:

Your child arrives at school without weapons or objects that will cause an alarm and they walk through the front doors of the school, walk through the Evolv Express system, and are on their way to class.

Scenario 2:

Your child arrives to school with an instrument or object that resembles a weapon; or is concealing a weapon. They will walk through the front doors of the school, walk through the Evolv Express system, and the system will then alarm with both a low-volume alarm and a visible red light, alerting staff of the potential threat. The system also sends an image to the tablet screen in front of the staff showing where the potential threat is located with a red box illustrating where the potential threat is located. Your child will follow the school's secondary screening guidelines allowing the staff to search them based on where the tablet alerted.

Key Takeaways

- **Reduces Lines:** Screens up to 1,000 students in 15 minutes — 10X faster than metal detectors.
- **Respectful & Non-Invasive:** Walk through at the pace of life without **always** stopping, removing coats or backpacks, or emptying pockets.
- **Enhances Safety:** With image-aided alarms, a digital image shows where the potential threat is on the student or their backpack.
- **Unobtrusive:** With its free-flow nature, it respects the privacy of students.
- **Safety Certified:** DHS Safety Act DT&E Designation.
- **Privacy:** No use of facial recognition or personal data collection.
- **Reduces Bias:** Looking at potential threats, not at people.

FAQs

How exactly does the system work?

Evolv Express uses artificial intelligence and sensors to instantly distinguish between weapons and everyday items allowing students, teachers and staff to move through security at the pace of life without having to be stopped and searched each time.

The system consists of two towers that students and staff pass through upon entry into the school. If the towers turn green, no threat has been detected and the individual passes through without stopping. A designated staff member will be holding an Evolv mobile tablet that processes the screening to instantly identify if a potential threat has been detected.

If the system identifies a potential threat, the tower will alert with a red light and sound, and a red box will appear on the tablet indicating precisely where a potential threat is on a person. That individual can then undergo secondary screening and additional assistance can be called upon if needed.

What happens if the alarm on the system sounds?

The professionals your school has selected to manage the systems will work with Evolv and other security partners to train on how to use the system. They will have protocols in place that they follow, which are unique for each location. In most cases, the individual who sets the alarm off will go to a secondary screening location where the security team will check out the area that was pinpointed on the screen - for example, a backpack. Tablets have a “Help” button on the top right-hand corner which can be accessed to instantly alert others for support during a potential incident or issue.

Is the Evolv Express System Safe?

Evolv is dedicated to safety, quality, and consistency of our products. The Evolv Express system has been safety tested and meets the following certifications:

- FCC CFR Part 15, CE Mark (CE Directives and Standards) Global CB Scheme per CBTL Safety Standard
- UL 61010, EN61010, IEC 61010 and CAN/CSA 61010-1
- US Americas with Disabilities Act Compliance Compliant Access
- RoHS – Restriction of the use of certain Hazardous Substances (e.g., Lead) in Electrical/ Electronics Equipment.

Is the Evolv Express system safe for people with an implanted or wearable medical device?

In keeping with FDA guidance on EAS and walk-through metal detectors, it is recommended that visitors and system operators with implantable or wearable medical devices consult their device manufacturer or physician for information relating to their own specific device. An alternative screening approach is recommended for anyone who has safety concerns.

Are these systems safe for long term exposure? i.e. for children walking through daily or personnel staffing the system?

The Evolv Express uses extremely low frequency radio waves (ELF) - a non-ionizing sensing modality - in compliance with IEEE’s 2019 guidance for safe operation with the general public, which applies to regular/occupational as well as infrequent exposure.

For More Health & Safety Information, read our [Health & Safety](#) doc.

Where else is this technology being used?

Evolv Express is being used in venues around the country, including public events, schools, hospitals, theme parks, stadiums, performing arts centers, casinos, houses of worship, and workplaces. Six Flags, Lincoln Center, Georgia Aquarium, and Gillette Stadium are just some of the notable organizations partnering with Evolv to create weapons-free zones. The security professionals in charge of these venues test technologies, protocols, and people, consult with peers and long-time testing institutions, and partner with law enforcement to mitigate as much risk as possible to keep people safe and we are proud to be their weapons screening partner.

Does Evolv use facial recognition?

No. Our technology does not use facial recognition. The combination of sensors and artificial intelligence is focused on distinguishing a weapon from personal items. If the system detects a potential threat, it alarms, and that threat is examined. If the system does not detect a potential threat, it will not alarm, and the individual walks right through. The system evaluates the items passing through, not the people, to determine if there may be a threat.

What kind of data does Evolv collect? And how does it use that data?

The data that is generated by our system is statistical data such as the number of people passing through. We do not collect any personal identifying information. Many of our customers use the data to better understand student ingress. For example, if they notice one entrance is busiest at a certain time of day, they might re-direct traffic and resources to another entrance to help improve the flow.

General Facts

- Evolv's systems have scanned more than 350 million people, second only to the Department of Homeland Security's Transportation Security Administration (TSA) in the United States.
- Evolv Express 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.
- Express screens people as they pass through without requiring them to stop. This vastly reduces the line created by traditional screening approaches and the anxiety waiting to get through security.
- Express evaluates items concealed on individuals or in their bags as they pass through the system. The person's race, gender or other personal characteristics are not evaluated in any way.
- Express can screen up to 4,000 people per hour, over 60 people per minute or one person each second.
- Evolv can see potential threats: When something is detected by the system, real-time images and alerts show the operator where the potential threat is located, which greatly reduces the amount of physical contact required and allows guards to act quickly, efficiently and unbiased.
- Evolv does not collect, process, or use any personal identifiable information.

Learn More

You can learn more about Evolv and our security screening technology directly from customers, parents, and students in the following content. Scan the QR codes or click on the links provided.

