

# Apstec Merlin

The Next-Generation Screening Technology

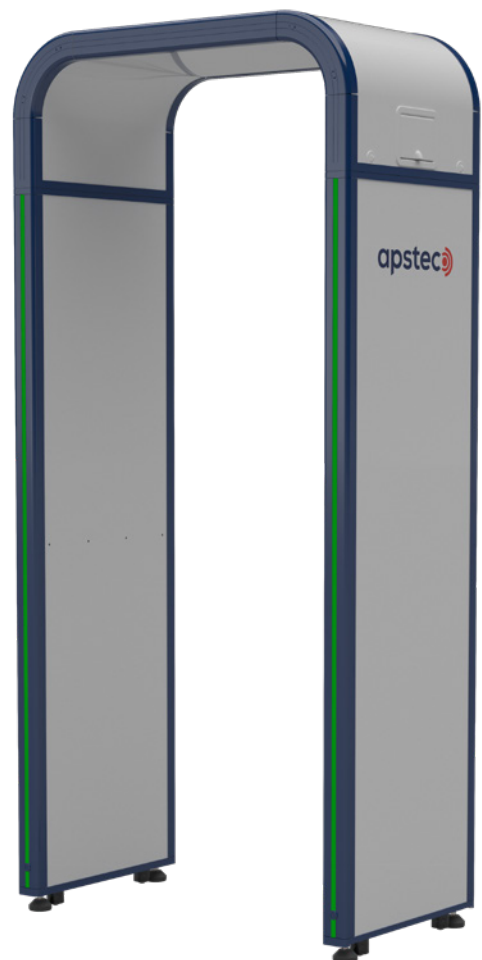
# Apstec Merlin

## Discriminative Metal Detection

Developed specifically for customers who require a cost-effective, high-throughput and non-invasive screening solution to detect and discriminate between metallic threats and everyday items. Firearms, knives and other metallic weapons can be discriminated from items such as smartphones and keys without the need for divestment, while at the same time delivering a low level of false alerts. All of this capability at a highly competitive price delivers a significant advancement over traditional metal detection methods.

### Attributes Include

- Detection and discrimination of firearms, including polymer framed firearms, metallic bladed and other metallic weapons from everyday objects
- Detection of IEDs with metallic fragmentation and explosives confined in metallic containers
- Uninhibited operation in areas with high electromagnetic interference, such as mass transport hubs
- Selective baggage screening for mass casualty metallic threats, while maintaining flow and comfort



## Key Advantages

Apstec Merlin's Discriminative Metal Detection is setting a new standard in AI-driven, high-throughput, non-invasive screening of people and their belongings.

- **High Throughput** – 2500 people per hour
- **Operational Flexibility** – Indoor/outdoor deployment, compact footprint and rapid relocation
- **Low False Alert Rates** – Significantly reduces nuisance alarms, enhancing operational efficiency
- **Improved Screening Experience** – Seamless, respectful, and fast screening with no divestment
- **Cost-Effective** – Competitively priced product and reduced operational costs

Apstec Merlin represents a major step forward in the evolution of metal detection technology. Designed to integrate seamlessly into existing security operations, it provides fast, reliable, and accurate screening of people and their belongings without compromising comfort or throughput. Compact, adaptable, and easy to operate, Merlin is ideal for a wide range of applications and environments, including transport hubs, event venues and public facilities. All of this at a price that makes having the very latest security technology attainable for all.

## Customer Applications

Specifically designed for high-throughput, non-invasive screening of metallic threats at publicly accessible locations such as:

- Entertainment Venues
- Sports Stadia
- Shopping Malls
- Places of Worship
- Exhibition & Conference Centres
- Tourist Attractions
- Theme Parks
- Corporate Headquarters
- Critical Infrastructure
- Hotels
- Mass Transport

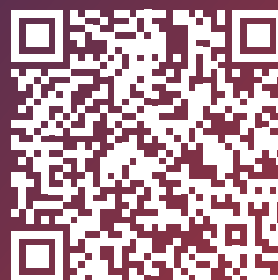
People per hour

# 2500

- AI-driven detection
- High-throughput
- Distinguishes between metallic threats and everyday items

## See How It Actually Works

Scan the QR-code to learn more about Apstec Merlin and what it does, how it detects threats, and how it can improve security and the screening experience. The future of security screening is here!



## Apstec Merlin Highlights

|              |   |
|--------------|---|
| Placement    | Indoor & outdoor  |
| Throughput   | 2500 people/hour  |
| Detection    | The powerful detection of small metallic threats such as handguns, polymer framed handguns and knives |
| Screening    | People and their hand-carried or body worn bags   |
| Setup        | Mobile  |
| Installation | Quick   |



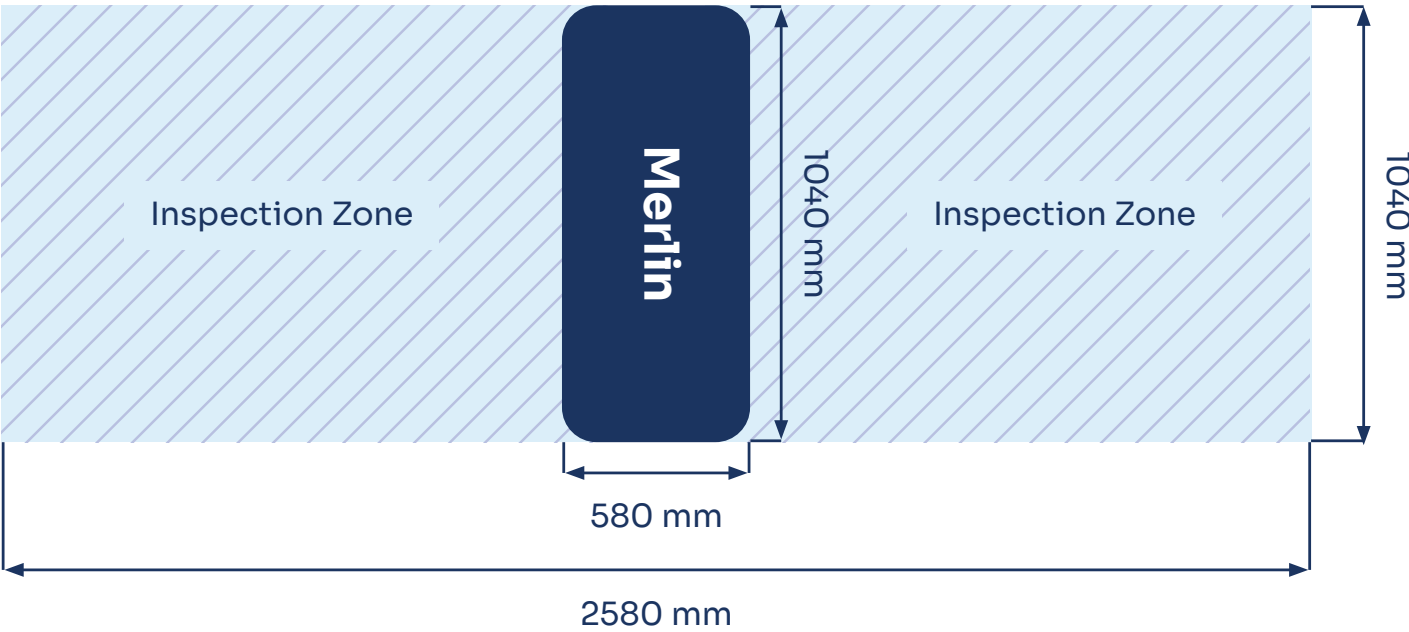
## Specifications

|              |        |
|--------------|--------|
| Width        | 104 cm |
| Height       | 224 cm |
| Depth        | 58 cm  |
| Free passage | 90 cm  |
| Weight       | 60 kg  |

# Installation & Operation

|                      |  |
|----------------------|--|
| Minimum space needed | 104 cm width, 258 cm depth and 224 cm height |
| Power                | 120 W / 100-240 VAC / 50-60 Hz               |
| Works in temperature | -10°C to +55°C                               |
| Humidity conditions  | 5-90%, non-condensing                        |

## Setup





## About us

Apstec® is a Swedish owned company with a global mission to make the world a safer place by developing innovative, AI-driven screening technology.

We're a leader in security solutions, specializing in advanced security screening technologies. With a commitment to providing safe, efficient, and cost-effective solutions, our products are trusted by clients worldwide.

## Contact

If you want more information about our products, and more about us, visit **[apstecsystems.com](https://apstecsystems.com)** or contact us at **[info@apstecsystems.com](mailto:info@apstecsystems.com)**

### Book a demo

If you're interested to learn more about how the products work and how they can help your organization, you can book a demo and we'll demonstrate it for you. Drop us a line at **[info@apstecsystems.com](mailto:info@apstecsystems.com)** and we'll get back to you.

**The Future of Security Screening**