

Capability Statement



Overview

DroneStop® is a specialist physical Counter-UAS solution developed and manufactured by KnitMesh Technologies.

Established in 1957, KnitMesh Technologies is a global leader in bespoke knitted wire mesh solutions for defence, military, prison security, and critical infrastructure applications. Headquartered in the United Kingdom, with an additional manufacturing facility near New Delhi, India, the company brings more than 65 years of engineering expertise to some of the world's most demanding operational environments.

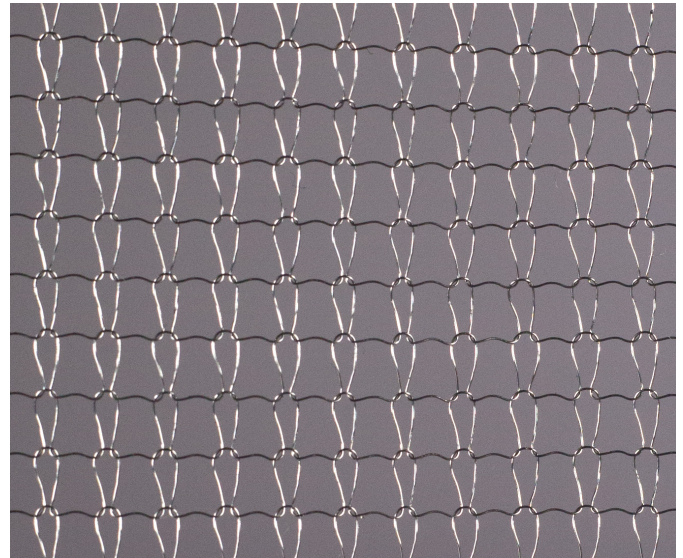
Developed specifically for military and prison security applications, DroneStop® provides a lightweight, high-strength physical barrier designed to help mitigate the risks posed by hostile and unauthorised drones as part of a layered Counter-UAS strategy. The stainless steel mesh maintains visibility, natural light, and day-to-day operations, complementing electronic and procedural countermeasures with a passive physical barrier.

DroneStop® is designed to integrate with existing security infrastructure and can be deployed as either a permanent installation or a rapid-response solution. Lightweight, durable, and low maintenance, it supports a defence-in-depth approach to evolving drone threats while preserving operational effectiveness.

Manufactured from 304 stainless steel, with 316 marine-grade options available, DroneStop® can be configured using twin or single filament constructions, a range of finishes, and optional reinforcement variants to meet specific operational requirements. The lightweight, corrosion-resistant design supports long service life and straightforward integration into both permanent and rapidly deployable security installations.



DroneStop® adds a physical layer to modern Counter-UAS defence-in-depth strategies.



Applications

Military and Defence

- Military bases and operational facilities
- Bulk fuel installations (BFIs)
- Ammunition depots and munitions storage areas
- Vehicle parks and equipment compounds
- Aircraft hangars and rotary-wing facilities
- Radar and critical communications infrastructure
- Forward and Main Operating Bases (FOBs/MOBs)
- Accommodation areas, mess facilities, walkways and courtyards
- Critical National Infrastructure (CNI)
- Trench systems and protected positions
- Medical and field healthcare facilities

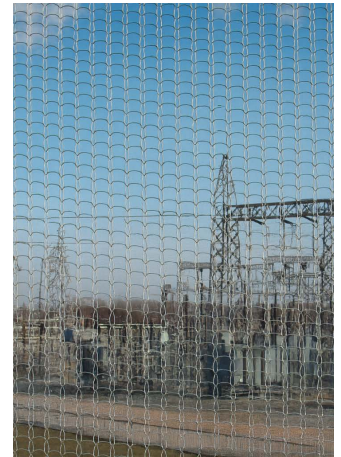
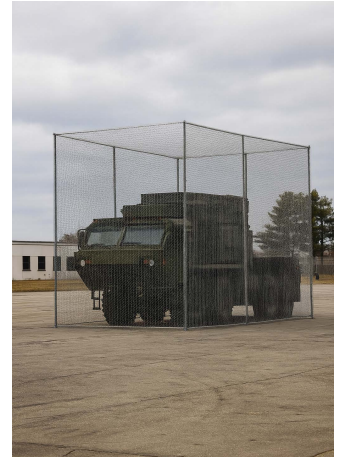
Prison and Correctional Security

- Exercise yards and accommodation areas
- Perimeter security systems
- Secure compounds, movement corridors and transfer areas



Key Benefits

- **A Layered Approach:**
Works alongside existing Counter-UAS measures
- **Passive Protection:**
No power, jamming, or RF interference required
- **Physical Drone Mitigation:**
Helps reduce the risk of unauthorised drone access
- **Lightweight Construction:**
Reduces structural loads and installation time
- **Rapid Deployment Capability:**
Suitable for temporary or permanent use
- **Fire Resistant Construction:**
Stainless steel mesh will not burn or propagate flames
- **Maintains Visibility and Natural Light:**
Supports operational continuity and site visibility
- **High Strength and Durability:**
Engineered for demanding environments
- **Low Maintenance Requirements:**
Corrosion-resistant and built for long service life
- **Bespoke Engineering Solutions:**
Tailored to specific operational requirements



Technical Specifications

• Material	304 Stainless Steel (316 Marine Grade Available on Request)
• Filament Options	0.28mm Twin Filament, 0.40mm Single Filament
• Optional Reinforcement	UHMWPE Fibre Reinforcement*
• Finish Options	Plain, Black Oxide, or Camouflage
• Roll Widths	500mm – 2,000mm
• Roll Lengths	Up to 50m (Bespoke Lengths Available)

Performance may vary depending on installation design and configuration, threat profile, drone size, mass, velocity, payload characteristics, impact conditions, and operating environment. Application-specific assessment and testing are recommended.
* UHMWPE: Ultra-High Molecular Weight Polyethylene.



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