

FV-025

VERTICAL TAKE-OFF AND LANDING INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE UNMANNED AIRCRAFT SYSTEM (VTOL ISR UAS)

The FV-025 is Rheinmetall's VTOL-capable ISR UAS, developed for large-scale production. The FV-025 offers resilient surveillance capabilities for military and civil applications.

Its vertical take-off and landing (VTOL) capability not only allows for rapid land-based or maritime deployment (e.g. from vessels) but also ensures that the system can be operated with a minimal logistical support. FV-025's advanced GNSS-denied capability ensures fully sustained operations in contested or signal-degraded environments, complementing its unmatched mission versatility. Furthermore, the FV-025 complements Rheinmetall's recce-strike complex as an attritable system, providing reliable frontline reconnaissance and enabling seamless integration with effectors and other ISR assets.

KEY FEATURES

- VTOL capable
- Fully sustained GNSS-denied operations
- Day & night-time operations
- EO/IR payload, incl. LRF
- Designed for mass production
- Wolf Pack (Teaming) capable
- Rapid deployment
- Minimal logistical footprint
- Attritable asset
- Maritime deployment capability
- Durable in harsh conditions
- Optional SATCOM integration for unlimited datalink range

TECHNICAL DATA	
MTOW	‹ 25 kg
Flight duration	› 12 h
Range	› 80 km
Velocity	60–130 km/h
Altitude	up to 5,000 m MSL (ISA)
Temperature	-20 °C to +50 °C
Wind limit	15 m/s

D1_024e1126©Rheinmetall

Rheinmetall Technical Publications GmbH
Grube 29 • 82377 Penzberg, Germany • www.rheinmetall.com