



# MILKOR

AIR | LAND | SEA | CYBER



**MILKOR** CATALOGUE

# TABLE OF CONTENTS

|                                         |                                                             |                                                         |                                         |                                        |                                                                    |
|-----------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------|----------------------------------------|--------------------------------------------------------------------|
| 04.<br><b>MILKOR</b><br>380 UAV         | 05.<br><b>MILKOR</b><br>380 UAV<br>OPERATIONAL<br>USE CASES | 06.<br><b>MILKOR</b><br>380 UAV<br>EXTERNAL<br>PAYLOADS | 08.<br><b>MILKOR</b><br>VANGUARD<br>APC | 09.<br><b>MILKOR</b><br>BUSHCAT<br>APC | 10.<br><b>MILKOR</b><br>FRONTIER<br>6X6 + 4X4<br>LONG RANGE PATROL |
| 11.<br><b>MILKOR</b><br>TURRET          | 14.<br><b>MILKOR</b><br>COMMANDER                           | 15.<br><b>MILKOR</b><br>IPC                             | 16.<br><b>MILKOR</b><br>RIPPER<br>RANGE | 17.<br><b>MILKOR</b><br>INTERCEPTOR    | 20.<br><b>MILKOR</b><br>SUPERSIX<br>MRGL                           |
| 21.<br><b>MILKOR</b><br>MK 1 S/L<br>MGL | 22.<br><b>MILKOR</b><br>STOPPER<br>CONVERTIBLE              | 23.<br><b>MILKOR</b><br>UBGL                            | 24.<br><b>MILKOR</b><br>MAR<br>LAUNCHER | 25.<br><b>MILKOR</b><br>AGL            | 26.<br><b>MILKOR</b><br>GLOBAL<br>FOOTPRINT                        |

# ABOUT

Milkor’s global presence, supported by multiple offices, reflects our commitment to pioneering technologies that elevate industry standards. Backed by expert teams, in-house research and development, and real-time feedback from end-users, we deliver comprehensive defence solutions across Air, Land, Sea, and Weapons systems.

## MILKOR DIVISIONS OVERVIEW

-  **AIR** Advanced airborne platforms for ISR and strike missions
-  **LAND** Customisable vehicles tailored for diverse operational needs
-  **SEA** Comprehensive maritime defense and security solutions
-  **WEAPONS** Precision-engineered 37/38 and 40mm lethal and non-lethal weapon systems for all battlefield conditions



AEROSPACE  
PLATFORMS

MILKOR 380  
UNMANNED AERIAL VEHICLE

The Milkor 380 is a versatile platform designed for ISR and strike missions, capable of extended-range, long-endurance operations. Equipped with advanced optical and radar systems, it delivers real-time HD, infrared, and multispectral data. Its autonomous flight control simplifies complex missions, while five hardpoints allow for varied payloads, including electronic warfare and weapons systems. The airframe ensures long endurance at medium altitudes, performing in all weather conditions. The Ground Control Station (GCS) comes in two customisable versions: the fixed Strategic GCS and the mobile, containerised Tactical GCS.

- 250km radius Line of Sight (LOS) Communications
- Satellite communications (Satcom) capable
- Dual redundant communication systems
- EO/IR Gimbal (Diameter up to 500mm)
- Electronic Countermeasures (ECM)
- Precision Guided Munitions (PGMs)
- Synthetic Aperture Radar (SAR)
- Fully autonomous flight
- Ground support suite



SPECIFICATIONS

UAV / UCAV

|                          |                             |
|--------------------------|-----------------------------|
| Maximum Range            | 4 000+ km                   |
| Maximum Endurance        | 30 h                        |
| Max Operational Altitude | 30 000 ft                   |
| Length                   | 9 m                         |
| Wingspan                 | 18.6 m                      |
| MTOW                     | 1 500 kg                    |
| Max Payload              | 220 kg                      |
| Fuel Capacity            | 315 kg                      |
| Maximum Speed            | 250 km/h                    |
| Operational Speed        | 110 – 150 km/h              |
| Fuel Type                | 100 LL AVGAS<br>or 95 MOGAS |

Specifications may vary depending on operational conditions.

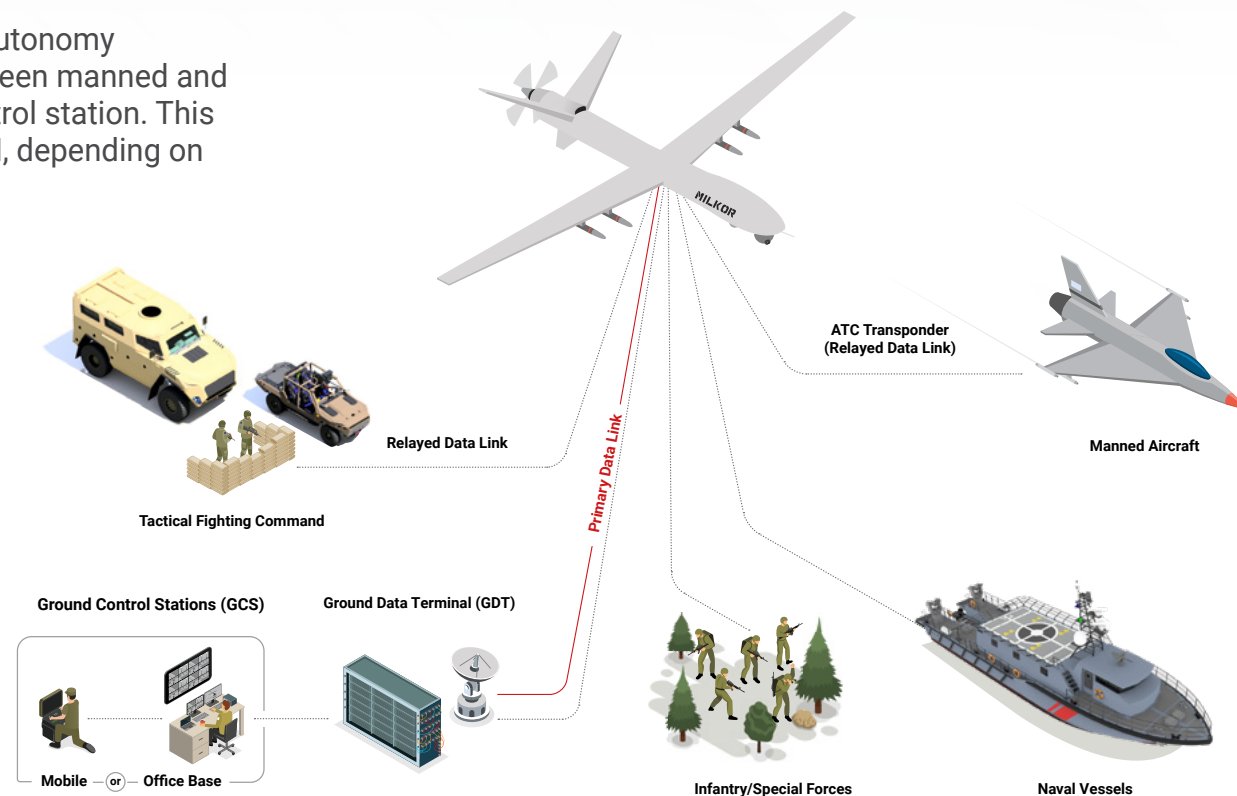
# MILKOR 380

## OPERATIONAL USE CASES

The unmanned variants feature advanced autonomy systems, allowing seamless switching between manned and unmanned modes via a tactical ground control station. This station operates through 4G, RF, or SATCOM, depending on mission needs.

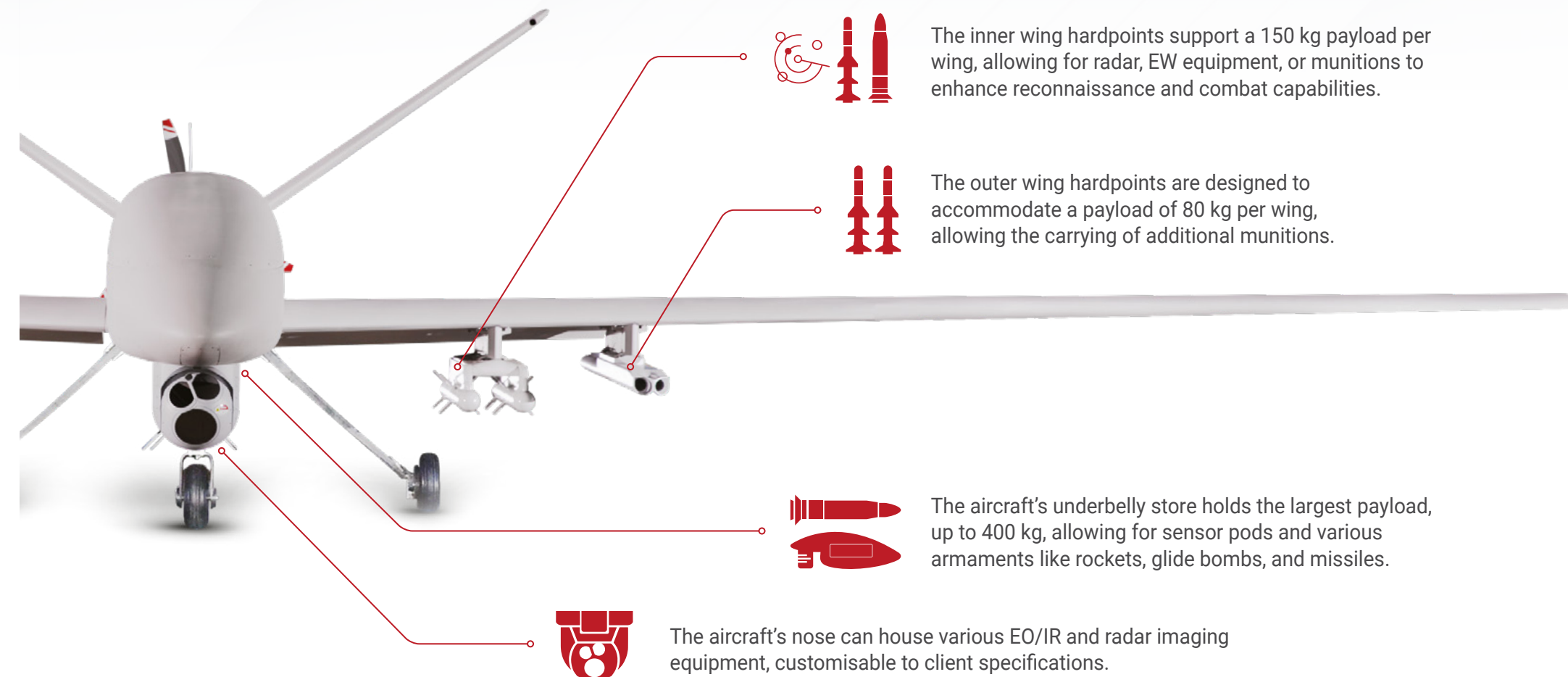
The versatility of the Milkor 380 system allows it to be used for various unmanned operations such as:

-  Disaster Response and Assessment
-  Sovereignty Patrol
-  Maritime Surveillance
-  Route Mapping and Tracking



# MILKOR 380

## EXTERNAL PAYLOADS





LAND  
PLATFORMS

MILKOR VANGUARD

ARMOURED PERSONNEL CARRIER



ARMOUR

Blast: STANAG 4A & 4B  
Ballistic: STANAG 3



APPLICATIONS

- Infantry Fighting Vehicle
- Armoured Personnel Carrier
- Border Patrol Vehicle
- Military Field Ambulance
- Command Vehicle



PERFORMANCE  
SPECIFICATIONS

Tare Mass 15 500 kg

GVM 19 500 kg

Power 336 kW

Power / Weight Ratio 22 kW/t

Seating Capacity 2 + 8

Max Speed 100 km/h

Range 900 km

Fording Depth 500 mm

Gradient 60%

Approach Angle 31°

Departure Angle 45°

Specifications may vary depending on operational conditions.

# MILKOR BUSHCAT

## ARMoured PERSONNEL CARRIER



### ARMOUR

Blast: STANAG 3A & 3B  
Ballistic: B7/STANAG 2



### APPLICATIONS

- Infantry Fighting Vehicle
- Armoured Personnel Carrier
- Border Patrol Vehicle
- Military Field Ambulance
- Command Vehicle



## PERFORMANCE SPECIFICATIONS

|                            |                              |
|----------------------------|------------------------------|
| Tare Mass                  | 12 000 kg                    |
| GVM                        | 13 500 kg<br>Up to 16 000 kg |
| Power                      | 212 kW (285 hp)              |
| Power / Weight Ratio       | 18 kW/t (24 hp/t)            |
| Seating Capacity           | Up to 2 + 10                 |
| Blast Protection Level     | Up to STANAG 3A & 3B         |
| Ballistic Protection Level | Up to B7/STANAG 2            |
| Max Speed                  | 110 km/h                     |
| Range                      | 750 km                       |
| Fording Depth              | 700 mm                       |
| Gradient                   | 70%                          |
| Approach Angle             | 36°                          |
| Departure Angle            | 33°                          |

Specifications may vary depending on operational conditions.

# MILKOR FRONTIER

## LONG RANGE PATROL VEHICLE



4X4



FRONTIER XL



## PERFORMANCE SPECIFICATIONS

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| Tare Mass                  | 3 500 kg (4x4)<br>5 000 kg (Frontier XL)                   |
| GVM                        | 4 500 kg (4x4)<br>7 000 kg (Frontier XL)                   |
| Power                      | 180 kW (4x4)<br>165 kW (Frontier XL)                       |
| Power / Weight Ratio       | 40 kW/t (53 hp/t) (4x4)<br>23 kW/t (31 hp/t) (Frontier XL) |
| Seating Capacity           | 4 (4x4)<br>5 (Frontier XL)                                 |
| Blast Protection Level     | STANAG 1 (Add-On)                                          |
| Ballistic Protection Level | B6 (Standard)<br>STANAG 1 (Add-On)                         |
| Max Speed                  | 140 km/h (4x4)<br>130 km/h (Frontier XL)                   |
| Range (On-road)            | 800 km (4x4)<br>640 km (Frontier XL)                       |
| Range (Off-road)           | 600 km (4x4)<br>360 km (Frontier XL)                       |
| Fording Depth              | 700 mm (4x4)<br>750 mm (Frontier XL)                       |
| Gradient                   | 70° (4x4)<br>60° (Frontier XL)                             |
| Approach Angle             | 35° (4x4)<br>60° (Frontier XL)                             |
| Departure Angle            | 33° (4x4)<br>40° (Frontier XL)                             |

Specifications may vary depending on operational conditions.

# MILKOR TURRET

OPEN FORMAT



360°



## TURRET SPECIFICATIONS

|                              |                                                                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                       | 250kg (without a weapon)                                                                                                                                               |
| Protection Level             | B6 Armour Standard (STANAG 1 optional)<br>B7 Glass Standard                                                                                                            |
| Weapon Compatibility         | 7.62 mm – Compatible with PKM, MAG, M240<br>12.7 mm – Compatible with DSHK, Browning<br>40 mm AGL – Compatible with MILKOR AGL (mounted on special rail for reloading) |
| Slew Ring Diameter           | 850mm ; 360° turret movement and locking in any position                                                                                                               |
| Durability & Maintenance     | Heavy duty construction – slew ring must be lubricated intermittently                                                                                                  |
| Environmental Specifications | Will work in any weather condition – not recommended for snow                                                                                                          |
| Compatibility                | Adapter rings can be manufactured to fit most vehicles designed for a rooftop turret system                                                                            |
| Safety Features              | Manual locking mechanism to stop turret in any position 360°                                                                                                           |

Specifications may vary depending on operational conditions. Weapon excluded.

# MILKOR TURRET

CLOSED FORMAT



360°



## TURRET SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                       | 450kg (without a weapon)                                                                                                                                                                                                                                                     |
| Protection Level             | B6 Armour Standard (STANAG 1 optional)<br>B7 Glass Standard<br>Designed to provide 360° protection from small arms and drone attacks with grenades/light explosives<br>(Will not withstand kamikaze drones with HE warheads)<br>Under-armour reloading for gunner protection |
| Weapon Compatibility         | 7.62 mm – Compatible with PKM, MAG, M240<br>12.7 mm – Compatible with DSHK, Browning<br>40 mm AGL – Compatible with MILKOR AGL (mounted on special rail for reloading)                                                                                                       |
| Slew Ring Diameter           | 850mm ; 360° turret movement and locking in any position                                                                                                                                                                                                                     |
| Durability & Maintenance     | Heavy duty construction – slew ring must be lubricated intermittently                                                                                                                                                                                                        |
| Environmental Specifications | Will work in any weather condition                                                                                                                                                                                                                                           |
| Compatibility                | Adapter rings can be manufactured to fit most vehicles designed for a rooftop turret system                                                                                                                                                                                  |
| Safety Features              | Manual locking mechanism to stop turret in any position 360°                                                                                                                                                                                                                 |

Specifications may vary depending on operational conditions. Weapon excluded.



# NAVAL PLATFORMS

MILKOR

COMMANDER



- The Milkor Commander is a 16m aluminium monohull expertly crafted to meet the demanding needs of coast guards and law enforcement
- High speed, long range, seats 10 crew
- Versatile deck for patrol, interception, and rescue
- Waterjet propulsion ensures manoeuvrability and speed
- Designed for easy target approach and reliable in 4m swells



## VESSEL SPECIFICATIONS

HIGH-SPEED LIGHT CRAFT

|                          |                                    |
|--------------------------|------------------------------------|
| Length Overall (L.O.A)   | 16.5 m                             |
| Beam                     | 4.4 m                              |
| Draught                  | 0.8 m                              |
| Displacement (Full Load) | 20 tonnes                          |
| Engine (Option 1)        | 2 x Volvo D13 up to 1000 hp        |
| Engine (Option 2)        | 2 x CAT C12.9 up to 1000 hp        |
| Propulsion               | 2 x Hamilton HJ403 or 2 x MJP 400X |
| Crew                     | 4 + 6                              |
| Cruising Speed           | 30 knots                           |
| Maximum Speed            | 45 knots                           |
| Range at Cruise Speed    | 500 nm                             |
| Protection               | B6 Cabin                           |

Specifications may vary depending on operational conditions.

MILKOR

IPC



- Milkor IPC features a hydrofoil-assisted catamaran hull for improved speed, fuel efficiency, and stability.
- Designed for long-endurance missions with full galley, shower, head, and three berths.
- Command-and-control bridge equipped with communication and surveillance systems.
- Modular wheelhouse allows integration of various payloads and technologies.
- Capable of supporting remote weapon stations, launchers, and surveillance payloads.



VESSEL  
SPECIFICATIONS

INSHORE PATROL CRAFT

|                          |               |
|--------------------------|---------------|
| Length Overall (L.O.A)   | 12 m          |
| Beam                     | 4.8 m         |
| Draught                  | 0.87 m        |
| Displacement (Full Load) | 13 tonnes     |
| Engine                   | 2 x 450 hp    |
| Propulsion               | 2 x Outboard  |
| Crew                     | 4             |
| Cruising Speed           | 25 – 35 knots |
| Maximum Speed            | 50 knots      |
| Loiter Speed             | 7 knots       |
| Range at Cruise Speed    | 300 nm        |

Specifications may vary depending on operational conditions.

MILKOR

RIPPER RANGE



MILKOR  
RIPPER 600



MILKOR  
RIPPER 1200



MILKOR  
RIPPER 900



MILKOR  
RIPPER 1500



COMMON  
SPECIFICATIONS

RIGID INFLATABLE BOATS

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Construction      | GRP                                              |
| Fender            | Inflatable Hypalon Tube                          |
| Propulsion        | Up to 4x 350 hp<br>Outboard Motor                |
| Maximum Speed     | Up to 55+ knots                                  |
| Available Lengths | 6, 9, 12, 15m                                    |
| Available Layouts | Open, T-Top, Cabin, Full<br>Cabin, Troop Carrier |

Specifications may vary depending on operational conditions.

# MILKOR

## INTERCEPTOR



- 30m patrol and interception vessel designed for high situational awareness and rapid response.
- Features a flight deck for operating a 3.5m wingspan VTOL UAV, complete with control station and maintenance facility.
- Includes a deployable 3.4m RIB and 2 aft deck heavy weapon stations for robust armament.



### COMMUNICATIONS

Features satellite communications, Furuno radar, EO/IR gimbal, and GMDSS HF radio for connectivity, navigation, imaging, and distress safety.



## VESSEL SPECIFICATIONS

PATROL AND INTERCEPTOR VESSEL

|                          |                               |
|--------------------------|-------------------------------|
| Length Overall (L.O.A)   | 30 m                          |
| Beam                     | 6.76 m                        |
| Draught                  | 1.3 m                         |
| Displacement (Full Load) | 90 tonnes                     |
| Engine (Option 1)        | 3 x MTU 16V2000 up to 2600 hp |
| Engine (Option 2)        | 2 x CAT 3512C up to 2551 hp   |
| Propulsion (Option 1)    | 3 x Kamewa S50-3/CA Waterjets |
| Propulsion (Option 2)    | 2 x CPP                       |
| Crew                     | 12                            |
| Cruising Speed           | 35 knots                      |
| Maximum Speed            | 55 knots                      |
| Range at Cruise Speed    | 1 000 nm                      |
| Seakeeping               | Operational at Sea State 6    |

Specifications may vary depending on operational conditions.

WEAPON  
SYSTEMS

MILKOR  
SUPERSIX



SuperSix Multi-Range Grenade Launcher: 40mm weapon with high lethality, precision, and reliability. Effective in all battlefield conditions.



**RATE OF FIRE**  
Capable of firing 6 rounds in 3 seconds (Operator dependent)



**EFFECTIVE RANGES**  
400 m 40 x 46 mm Low-Velocity  
600 m 40 X 46 mm Extended range  
800 m 40 x 51 mm Medium-Velocity



TECHNICAL SPECIFICATIONS

MULTIPLE RANGE GRENADE LAUNCHER

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Calibre & Rounds                          | 37/38 and 40 mm Less-Lethal<br>40 mm Low-Velocity (LV)<br>40 mm Medium-Velocity (MV) |
| Type                                      | Multi-shot semi-automatic revolving action                                           |
| Capacity                                  | 6 Rounds                                                                             |
| Firing Method                             | Double action                                                                        |
| Barrel Type                               | Progressive with 1 turn in 1200 mm final twist (1:47.24")                            |
| *Overall length (Butt retracted/extended) | 781 mm/859 mm with compensator<br>746 mm/824 mm without compensator                  |
| Weight (Empty)                            | 5.96 kg                                                                              |
| Accessory Rail                            | STANAG 4694 NATO Accessory Rail                                                      |
| Standard Sight                            | Several options are available as per customer request                                |
| Height                                    | 220 mm with quad rail<br>203 mm with sleeve grip                                     |
| Width                                     | 163 mm                                                                               |

Specifications may vary depending on operational conditions. \* Measurements are nominal.

MILKOR

MK1 S/L



MK1S and MK1L: Durable, reliable grenade launcher designs. Variations suit different ammunition needs.



RATE OF FIRE

Capable of firing 6 rounds in 3 seconds (Operator dependent)



EFFECTIVE RANGES

375 m Low-velocity ammunition standard



TECHNICAL SPECIFICATIONS

MULTIPLE GRENADE LAUNCHER

|                                           |                                                           |
|-------------------------------------------|-----------------------------------------------------------|
| Calibre & Rounds                          | 40 mm Low-Velocity (LV)<br>40 mm Less-Lethal              |
| Type                                      | Multi-shot, Semi-automatic revolving action               |
| Capacity                                  | 6 Rounds                                                  |
| Firing Method                             | Double action                                             |
| Barrel Type                               | Progressive with 1 turn in 1200 mm final twist (1:27.24") |
| *Overall length (Butt retracted/extended) | 787 mm/865 mm (MK-1L)<br>754 mm/832 mm (MK-1S)            |
| Weight (Empty)                            | 6.24 kg (MK1L) 5.71 kg (MK-1S)                            |
| Accessory Rail                            | Standard MIL-std-1913 top mounted picatinny               |
| Standard Sight                            | Several options are available as per customer request     |
| Height                                    | 207 mm                                                    |
| Width                                     | 163 mm                                                    |

Specifications may vary depending on operational conditions. \* Measurements are nominal.

MILKOR

STOPPER CONVERTIBLE



Quick-reload, single-shot enforcer. Dual-use: riot control and lethal. For law enforcement, military, tactical. 40mm or 37/38mm barrel options.



RATE OF FIRE

Capable of firing 12 rounds per minute (Operator dependant)



EFFECTIVE RANGES

400 m Low-velocity ammunition standard



TECHNICAL SPECIFICATIONS

SINGLE-SHOT ENFORCER

|                                           |                                                                          |
|-------------------------------------------|--------------------------------------------------------------------------|
| Calibre & Rounds                          | 40 mm Low-Velocity (LV)<br>40 mm Less-Lethal<br>37/38 Less-Lethal        |
| Type                                      | Single shot                                                              |
| Capacity                                  | 1 Round                                                                  |
| Firing Method                             | Double action                                                            |
| Barrel Type                               | 6 Constant 1 turn in 1200 mm (1:47.24")                                  |
| *Overall length (Butt retracted/extended) | 642 mm/720 mm with compensator<br>608 mm/686 mm without compensator      |
| Weight (Empty)                            | 2.41 kg                                                                  |
| Accessory Rail                            | STANAG 4694 NATO Accessory Rail and 2 side mounted 44 mm picatinny rails |
| Standard Sight                            | Several options are available as per customer request                    |
| Height                                    | 162 mm                                                                   |
| Width                                     | 69 mm                                                                    |

Specifications may vary depending on operational conditions. \* Measurements are nominal.

MILKOR

UBGL



The compact lightweight design of the Milkor UBGL ensures increased weapon mobility when installed on a primary weapon. The ergonomic design allows for ease of operation with its button trigger and swing body enabling simplified firing and cartridge ejection.



WEIGHT  
1.1 kg



EFFECTIVE RANGES  
400 m (Low-Velocity  
ammunition standard)



## TECHNICAL SPECIFICATIONS

UNDER BARREL GRENADE LAUNCHER

|                       |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| Calibre & Rounds      | 40 mm Low-Velocity (LV)<br>40 mm Less-Lethal<br>37/38 Less-Lethal                             |
| Type                  | Single shot                                                                                   |
| Capacity              | 1 Round                                                                                       |
| Firing Method         | Single action button trigger                                                                  |
| Practical Firing Rate | Capable of firing 6 rounds in a minute<br>(Operator dependant)                                |
| Barrel Type           | 6 Constant 1 turn in<br>1200 mm (1:47.24")                                                    |
| *Overall length       | 324.5 mm with compensator<br>290.5 mm without compensator                                     |
| Interface             | Mounted on a STANAG 4694 NATO Accessory Rail/<br>MIL-std-1913. Adaptive for any Assault Rifle |
| Standard Sight        | Saddle sight                                                                                  |
| Height                | 91 mm                                                                                         |
| Width                 | 60 mm                                                                                         |

Specifications may vary depending on operational conditions. \* Measurements are nominal.

MILKOR

MAR



Manufactured specifically for anti-riot purposes with a lightweight design, the MAR can be used to effectively enforce control without compromising the lives of civilians.



WEIGHT  
3.6 kg (Empty)



RATE OF FIRE  
Capable of firing 6 rounds  
in 3 seconds (Operator dependant)



## TECHNICAL SPECIFICATIONS

MULTIPLE ANTI-RIOT LAUNCHER

|                                              |                                                              |
|----------------------------------------------|--------------------------------------------------------------|
| Calibre & Rounds                             | 37/38 mm Less-Lethal<br>40 mm Anti-riot                      |
| Type                                         | Multi-shot, Semi-automatic<br>revolving action               |
| Capacity                                     | 6 Rounds                                                     |
| Firing Method                                | Double action                                                |
| Barrel Type                                  | Progressive with 1 turn in 1200 mm<br>final twist (1:47.24") |
| *Overall length<br>(Butt retracted/extended) | 695 mm/770 mm                                                |
| Effective Range                              | 25 m – 170 m (Ammunition dependant)                          |
| Accessory Rail                               | STANAG 4694 NATO Accessory Rail                              |
| Standard Sight                               | Several options are available<br>as per customer request     |
| *Height                                      | 250 mm (Grip dependant)                                      |
| Width                                        | 170 mm                                                       |

Specifications may vary depending on operational conditions. \* Measurements are nominal.

MILKOR

AGL



The Milkor AGL is a versatile, belt-fed automatic grenade launcher using API Blowback. Designed for mobility and accuracy, it can be mounted on tripods, manned turrets, or RCWS for flexible deployment.



FEED SYSTEM

Belt-fed system for easier reloading during sustained operations



AMMUNITION

40 mm x 53 mm High-Velocity (HV)



TECHNICAL SPECIFICATIONS

AUTOMATIC GRENADE LAUNCHER

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| Length              | 1040 mm                                                       |
| Width               | 220 mm (min) 294 mm (max)                                     |
| Height              | 190 mm                                                        |
| Weight              | 27 kg                                                         |
| Barrel Length       | 410 mm                                                        |
| Action              | API Blowback                                                  |
| Safety Selector     | 2-Fold (locks trigger, preventing firing pin activation)      |
| Firing Position     | Open Breech                                                   |
| Mode Selector       | Safe/Single Shot/Automatic                                    |
| Cyclic Rate of Fire | 380 – 480 rpm                                                 |
| Muzzle Velocity     | 230 – 240 m/s                                                 |
| Effective Range     | 1 500 m                                                       |
| Maximum Range       | 2 200 m                                                       |
| Sight               | Standard with Ladder Sight, other optics available on request |
| Accessory Rail      | STANAG 4694 NATO Accessory Rail                               |

Specifications may vary depending on operational conditions. \* Measurements are nominal.

MILKOR  
GLOBAL FOOTPRINT



62 000+  
SYSTEMS SUPPLIED



56+  
COUNTRIES



45  
YEARS



6  
GLOBAL OFFICES

Correct at time of printing

Bogotá, Colombia

Warsaw, Poland

Abu Dhabi,  
United Arab Emirates

Riyadh,  
Kingdom of Saudi Arabia

Centurion,  
South Africa

Cape Town,  
South Africa



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