

# KORHAN

## 35mm WEAPON SYSTEM

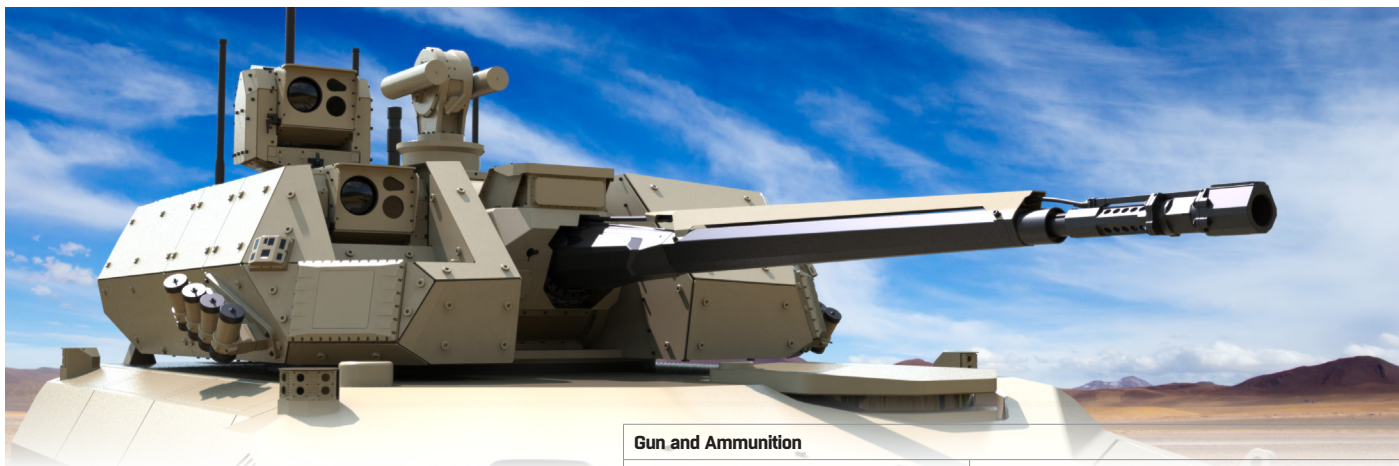
KORHAN, to meet the needs of today's Battlefield, has been developed by ASELSAN using the national resources and most advanced technological facilities in order to enhance the capabilities of the Turkish Armed Forces.

KORHAN is a new generation armored combat system with high firepower, equipped with advanced target detection and tracking systems, equipped with the latest technology self-protection systems and environmental awareness systems, in order to provide the highest level of user and system continuation. The system has open and extensible architecture, updating and additions to the system based on the needs that will arise in the future will be implemented with national resources.

KORHAN is designed for integration of both tracked and tactical wheeled vehicles.

In KORHAN, 35 mm cannon, with high rate of fire, is used as the main gun. The cannon is produced by using national resources. The KORHAN system also has the ability to use the 35 mm Airburst Ammunition developed and produced domestically by ASELSAN without any external dependency. For the main gun, there are 100 ammunitions available in the turret and 200 spare ammunition are stored in the vehicle. Loading of spare ammunitions into the turret is done under armor protection in the vehicle. The system also has a 7.62 mm machine gun mounted co-axial with the main gun for self-defense against close threats from the land.





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KORHAN has a high level of effectiveness against the targets behind the cover through the use of intelligent ammunition, as well as the neutralization of armored and light armored land elements. The KORHAN system also has the ability to defend himself against helicopters, fighter aircrafts at low altitude and unmanned aerial vehicles for intelligence and offensive purposes.

The automatic linkless ammunition feeding mechanism developed by ASELSAN allows for the selection of suitable ammunition for the type of threat. Armor-piercing, anti-personnel, airborne or destructive ammunition types can be loaded simultaneously into the weapon system according to operational needs and cost-effective utilization is provided by choosing suitable ammunition for the threat type during battle.

The Turret, designed as an unmanned type for maximum user and personnel protection, allows maximum space for personnel and spare ammunitions by minimizing interference within the vehicle. The turret has two-axis stabilization ability. In this context, the turret can rotate nx360 degrees unlimitedly on the azimuth axis and the weapon can rotate between -10 and +45 degrees on the elevation axis.

KORHAN is equipped with new generation communication systems developed by ASELSAN to meet the intensive communication needs of today's battle field. The system also has all the ability of performing tasks within the command and control network to coordinate with the elements to be jointly worked.

KORHAN has high survivability through the use of laser detection and warning system (LUS), active self-protection system "AKKOR", composite or ceramic modular armor protection and smoke. In addition, KORHAN has full dominance on the battlefield and superiority over the enemy with 360 degree situational awareness panoramic vision system (YAMGÖZ), gun dependent sniper and independent commander sight systems, battlefield recognition system (MSTTS) and Mini / Nano Unmanned Air Vehicle (MUAV / NUAV). KORHAN System can be automatically directed and neutralized the threat by detecting the direction of the threat using the Sniper Locating System (AYHTS) on the turret when the system is under fire.

<b>Gun and Ammunition</b>	
Main Gun	35 mm Automatic Cannon
Secondary Gun/Ammunition:	7.62 mm Machine Gun (3750 pieces of Ammo)
RWS (Optional):	12.7 mm Machine Gun, 40 mm Grenade Launcher and 7.62 mm Machine Gun can be mounted.
Main Gun Ammunition Feeding:	Via the automatic linkless ammunition feeding mechanism different types of ammunition can be loaded simultaneously into the weapon system
Main Gun Ammunition:	Armor-piercing, airburst, destructive, training practice ammunition
<b>Survivability</b>	
Active Protection System	: Available (Developed by ASELSAN) Laser Detection and Warning
System	: Available (Developed by ASELSAN)
Sniper Locating System	: Available (Developed by ASELSAN)
360° Panoramic Vision System	: Available (Developed by ASELSAN)
Battlefield Recognition System	: Available (Developed by ASELSAN)
Nano / Mini UAV	: Optional (Developed by ASELSAN)
Driver Vision System	: Available (Developed by ASELSAN)
Gunner Sight System	: Available (Developed by ASELSAN)
Commander Sight System	: Available (Developed by ASELSAN)
Armor Protection	: Available
Ambush Mode	: Available (Developed by ASELSAN)
<b>Turret</b>	
Type	: Unmanned Stabilized Remote Weapon
StationWeight	: < 4.000 kg (STANAG 4569 Level 2)
Azimuth Axis	: nx360° (Unlimited Rotation)
Elevation Axis	: -10° / +45°
Max. Speed	: > 60°/s (Azimuth and Elevation Axis)
Height	: < 880 mm
Width	: < 2700 mm
Turning Radius	: < 4600 mm
Platform Interference	: Minimum
<b>Threat Set Of KORHAN</b>	
<b>Ground Based Threats</b>	
Main Battle Tanks	
Armored Combat Vehicles	
Light Armored/Unarmored Combat Vehicles , Military Convoy	
Infantry Troops	
Building, Shelter etc. Fixed Assets	
Military Units Which Attack Behind Cover	
<b>Air Threats</b>	
UAVS for Intelligence and Offensive Purposes	
Fighter Aircrafts at Low Altitude	
Helicopters	