

**GLOBAL LEADER IN
TOTAL DEFENSE SOLUTIONS**



Hanwha
Defense USA

POWERING TOMORROW THROUGH SUSTAINABILITY

Founded in 1952, Hanwha has grown quickly by anticipating and responding to changing business environments with a balanced business portfolio that includes energy & materials, aerospace, finance, and retail & services.

Our expertise and synergies in key areas have catapulted us to 7th place among large businesses in South Korea and to placement in the Fortune Global 500.

Hanwha continues to grow rapidly as we strive to pursue global leadership in all of our businesses. We are building a robust foundation for sustainable development and a brighter future for everyone.



SUSTAINABLE GROWTH

USD 81.2_B

Total Sales
(As of 2022 (E))

USD 186.2_B

Total Assets
(As of 2022 (E))

Top 7

Business Enterprise in
the Rep. of Korea
(Total asset basis as of 2021)

712

Global Networks
(As of 2022)

95

Domestic Affiliates
(As of 2022)

71

Years of History
(Founded in 1952)

GLOBAL LEADER PROVIDING TOTAL DEFENCE SOLUTIONS

K9 THUNDER / Self-Propelled Howitzer



CHUNMOO / Multiple Rocket Launch System



K30 BIHO / Air Defence System



ARION-SMET / Unmanned Ground Vehicle



ARTILLERY SYSTEMS



K9A1 THUNDER SELF-PROPELLED HOWITZER

The world's most advanced self-propelled howitzer, K9 features long range 155mm fire power, high rate of fire, mobility, and survivability for unmatched overall performance.

SPECIFICATION

Effective Range of Fire	40 km
Max. Rate of Fire	6~8 rounds/min.
Ammunition Capacity	48 rounds
Combat Weight	47 tons
Max. Speed	67 km/h



K10 AMMUNITION RESUPPLY VEHICLE

The K10 is the world's first fully automated ammunition resupply vehicle, designed to maximize K9's combat effectiveness.

SPECIFICATION

Ammunition Capacity	Projectile 104 rounds, Propellant 504 units
Max. Transfer Rate	12 rounds/min.
Max. Speed	67 km/h
Combat Weight	47 tons



K9A2 NEXT GENERATION SELF-PROPELLED HOWITZER

Next Generation K9A2 utilizes K9 Thunder's chassis with a new, fully automated turret. The new autoloader system increases the rate of fire and reduces the number of crew needed on-board. The mission capability is significantly improved with less crew fatigue while maintaining the same drive power of the original K9 Thunder.

SPECIFICATION

Maximum Rate of Fire	9 rounds/min.
Initial Deployment Time	20 sec
Ammunition load	40~48 rounds
Ammunition Handling System	Projectile Charge Fuze Setter
Crew	2~3

PGM & AMMUNITION



HW50/HW70 MODULAR CHARGE SYSTEM FOR 155MM ARTILLERY

JBMoU compliant bi-modular charge system, compatible with both 52cal and 39cal artillery guns. It features high-strength CCC to endure faster rate of fire, with an enhanced central ignition system for improved performance.



FUZES FOR ARTILLERY, MORTAR, ROCKETS AND SMALL ARMS

With innovative technologies and accumulated experience in fuzes, Hanwha develops and manufactures various types of fuzes for artillery, mortar, and missile uses.



CHUNMOO MULTIPLE ROCKET LAUNCHER SYSTEM

CHUNMOO enables effective suppression of targeted areas. The launcher is loaded with 2 launch pod containers, maximizing the system's fire power. The launcher is compatible with different types of missiles.

SPECIFICATION

Combat Weight	31 tons
Dimension (LXWXH)	9.2X3.0X3.5 m
Max. Speed	80 km/h
Cruising Range	450 km
Crew	3
Protection	Ballistic & NBC

CHUNMOO AMMUNITION CARRIER

CHUNMOO Ammunition Carrier shares the same vehicle platform as the CHUNMOO launcher, with a cargo deck and hydraulic crane. The cargo deck holds up to 4 launch pod containers. The crane can bear up to 2.5 tons and has a reach of 6 meters.

SPECIFICATION

Crew	2
Crane Type	Articulated Hydraulic Crane
Loading Capacity	4 pods
Max. Payload	10 tons
Control	Manual / Wired Remote
Safety	OLP (Overload Protection) Emergency stop (Manual / Wired remote)



PGM & AMMUNITION CHUNMOO MISSILE TYPES



CGR80

Diameter	239 mm
Max. Range	80 km
Accuracy	CEP 10 m
Guidance	GPS / INS
Warhead Type	Penetration and Fragmentation
Effective Range	40 m



CTM290

Diameter	607 mm
Max. Range	290 km
Accuracy	CEP 9 m
Guidance	GPS / INS, Anti-Jamming
Warhead Type	Blast and Fragmentation
Effective Range	120 m

* CEP: Circular Error Probability

ARMoured VEHICLES



REDBACK INFANTRY FIGHTING VEHICLE

Redback Infantry Fighting Vehicle(IFV) is of a new generation featuring enhanced firepower and survivability. Superior mobility is provided by a 1,000hp powertrain riding on hydro-pneumatic suspension and rubber tracks.

SPECIFICATION

Crew + Dismounts	11(3+8)
Armament	30 mm Cannon, 12.7 mm RCWS
Max. Speed	65 km/h
Cruising Range	Above 600 km



K21 INFANTRY FIGHTING VEHICLE

An infantry combat vehicle with significantly enhanced firepower, survivability, and maneuverability. K21 is the only vehicle of its class with amphibious capability.

SPECIFICATION

Crew	12
Armament	40 mm Cannon, 7.62 mm MG
Max. Speed	70 km/h (land), 6 km/h (water)
Combat Weight	26 tons



TIGON 6X6 ARMoured WHEELed VEHICLE

TIGON features excellent mobility and survivability. The latter is provided by Add-on Armor Protection System and mine-resistant seats that address ballistic, mine, and IED threats.

SPECIFICATION

Crew	11
Max. Speed	110 km/h (land), 8 km/h (water)
Cruising Range	1,000 km
Combat Weight	21 tons

PGM & AMMUNITION



TAipers ANTI-TANK GUIDED MISSILE

Fifth generation ATGM with excellent tactical and operational capability. TAipers is adaptable to a variety of ground vehicles and helicopters, enhancing unit effectiveness through simultaneous multi-missile engagement capability.

SPECIFICATION

Diameter	150 mm
Length	1,720 mm
Max. Range	10 km
Guidance	VIS / Cooled IIR Sensor
Operation Mode	Fire & Forget, Fire & Update, NLOS

UNMANNED GROUND SYSTEMS



ARION-SMET UNMANNED GROUND VEHICLE

ARION-SMET enhances survivability and combat performance of infantry units by transporting heavy equipment or wounded troops in high-intensity combat. Additionally, the vehicle can provide fire support to infantry units by employing a mounted RCWS.

SPECIFICATION

Weight	2 tons
Speed	43 km/h (paved) / 34 km/h (unpaved)
Drive Train	6X6 independent hydro-pneumatic suspension
Remote / Autonomous Operation	Soldier / Vehicle Following, Waypoint Navigation, Unpaved / Open-fields Driving, Obstacle avoidance, Recovery for communication failure
Power source	Li-ion battery (EV)
Operation Range	100 km at 25 km/h
Communication Ability	13 Mb @ 1.1 km (LOS: Line of sight)
EO / IR System	Detection: 4 km, Recognition: 2 km
Armament	5.56 mm (K-3, K-15) 7.62 mm (M60, K-16)

UNMANNED SURVEILLANCE VEHICLE

USV is a medium-sized combat robot controlled by an operating control station or a portable remote control unit. It features an autonomous system that enables vehicle-following and autonomous homing, and a hybrid electronic system that enables a maximum mileage of over 500km when using both the engine and the battery. USV mainly conducts reconnaissance/surveillance missions, but can engage enemy troops or soft-skinned vehicles when needed.

SPECIFICATION

Dimension (LXWXH)	4.60X2.50X4.55 m
Weight	< 6.2 ton
Drive Type	HEV / 6X6 independent wheel
Slope Gradient / Side Slope	60% / 30%
Max. speed	60 km/h
Operational Range	> 500 km (including engine charge) / > 1 hr @ 30 km/h (Batt. only)
Active Safety Tele-Operation (LOS)	6 km
Surveillance	4 km (Detection) / 2 km (Recognition)



AIR DEFENCE SYSTEMS



BIHO AIR DEFENCE SYSTEM

BIHO is a weapon system that combines a self-propelled anti-air gun with a short-range anti-air missile system. The system demonstrates a superior Defence capability against multiple types of aerial targets, including aircraft and helicopter.

SPECIFICATION

Combat Weight	26.5 tons
Detection Range / Tracking Range	21 km/ 7 km
Fire Power	30 mm twin guns, missiles
Max. Speed	60 km/h
Effective Range of Fire	Gun: 3 km, Missile: 6 km



AAGW ANTI-AIRCRAFT GUN WHEELED VEHICLE SYSTEM

AAGW provides close-in fire support on a wheeled platform. The system is also capable of self-targeting threats with the help of electro-optical and visual targeting equipment.

SPECIFICATION

Combat Weight	26.5 tons
Tracking Range	7 km
Max. Speed	90 km/h
Armament	30 mm twin guns
Effective Range of Fire	3 km



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