



Business overview for **Defense Division**

Gun & Artillery System

Pride in advanced technology



People-Oriented Human Mechatronics !

HYUNDAI WIA will open our living future along with nature

HYUNDAI WIA is now making a lot of exertions for improving our happiness through High Technology And HYUNDAI WIA is developing various Social Volunteer Activities in order to fulfill our obligation, contribution to our society Human Mechatronics World which HYUNDAI WIA is seeking after is affluent human society construction living with nature and giving priority to human.



K2/K1A1 120mm Tank Gun



• K2 120mm Tank Gun

• K1A1 120mm Tank Gun

Characteristics

- Fitted on K2 and K1A1 MBT
- Concentric recoil mechanism
- Fume evacuator
- Vertically sliding breech mechanism
- High rigidity cradle



K2 Breech Opening Motor

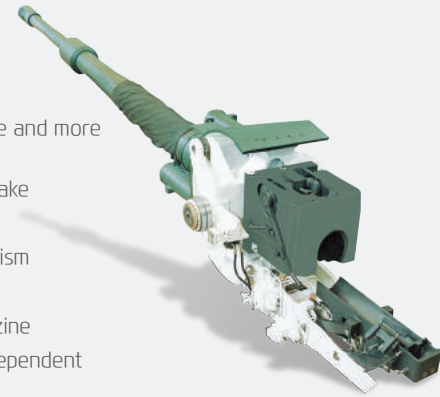


K2 Main Gun Controller

Specifications

Model	K2	K1A1
Caliber	120mm	120mm
Barrel Length	55 Caliber	44 Caliber
Eff. Firing Range	3Km	2.5Km
Bore Type	Smooth Bore Gun	Smooth Bore Gun

K9 155mm Self-propelled Howitzer Main Armament



K9 Characteristics

- Longer range, higher rate of fire and more accurate fire
- Large multiple slotted muzzle brake
- Fume evacuator
- Vertically sliding breech mechanism
- High strength obturator ring
- Automatic primer feeding magazine
- Constant, hydro-pneumatic, independent recoil mechanism
- Thermal warning device
- Automatic projectile loading system

Specifications

Model	K9
Caliber	155mm
Barrel Length	52 Caliber
Max. Firing Range	40Km
Rate of Fire(Max.)	6rds/min (3min)
Rate of Fire(Sustained)	2rds/min (60min)
Primer Feeding System	Automatic (Revolver Type)



RW01K

Remote Control Weapon System

Specifications

Model	RW01K
Height	687 mm
Weight	160kg (excl. weapon)
Day Recognition	2.5km
Night Recognition	1.8km
Traverse Range	n x 360° continuous
Elevation Range	-20° to 60°
Pointing Accuracy	± 0.3 mil
Weapon	12.7mm (K-6) / 40mm (K-4)



Product Introduction

- The RW01K is fully digital remotely operated weapon stations that can be integrated on armored vehicle platforms or installed on fixed facilities
- The RW01K combines full stabilizer, long range day/night all weather sight and cradle that integrated and 12.7mm MG & 40mm AGL weapon.
- The RW01K is capable of identifying and defeating targets out to the effective range of the weapon while on the move, during day or night.

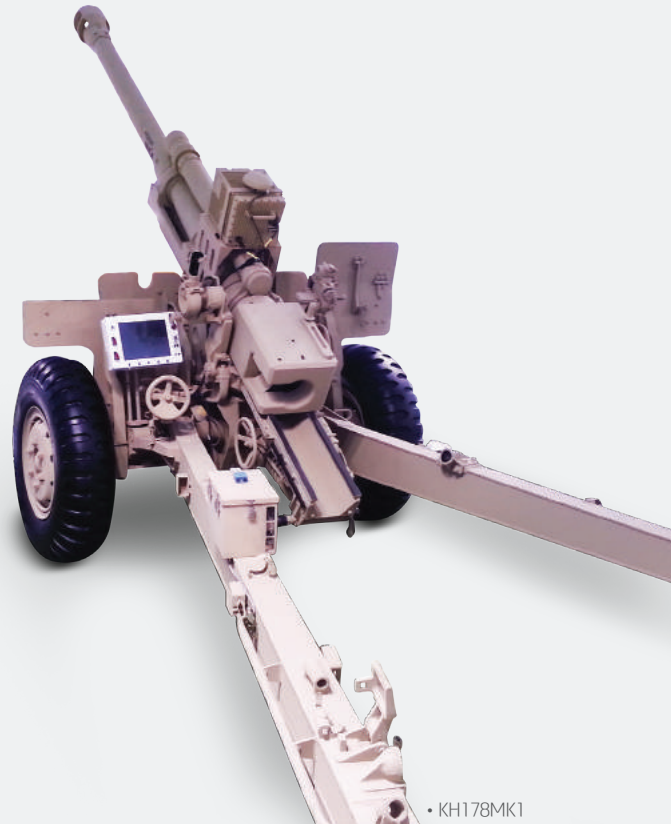


Overview for Army Artillery Business

HYUNDAI WIA is one of the leading manufacturer in the field of Gun & Artillery system in Korea. HYUNDAI WIA provides complete integrated logistics support for the Gun & Artillery system that is keyed to customer requirements.

Now that HYUNDAI WIA has developed concrete foundation in the scope of our business, the products have a good reputation from our domestic as well as overseas customers.

The fact is attributable to our strict quality assurance system applied on all of the products. The Korean government qualified the HYUNDAI WIA factory as precision machining shop of first class for such quality assurance system.



• KH178MK1

KH179/KH178 155mm/105mm Towed Howitzer

KH179 Characteristics

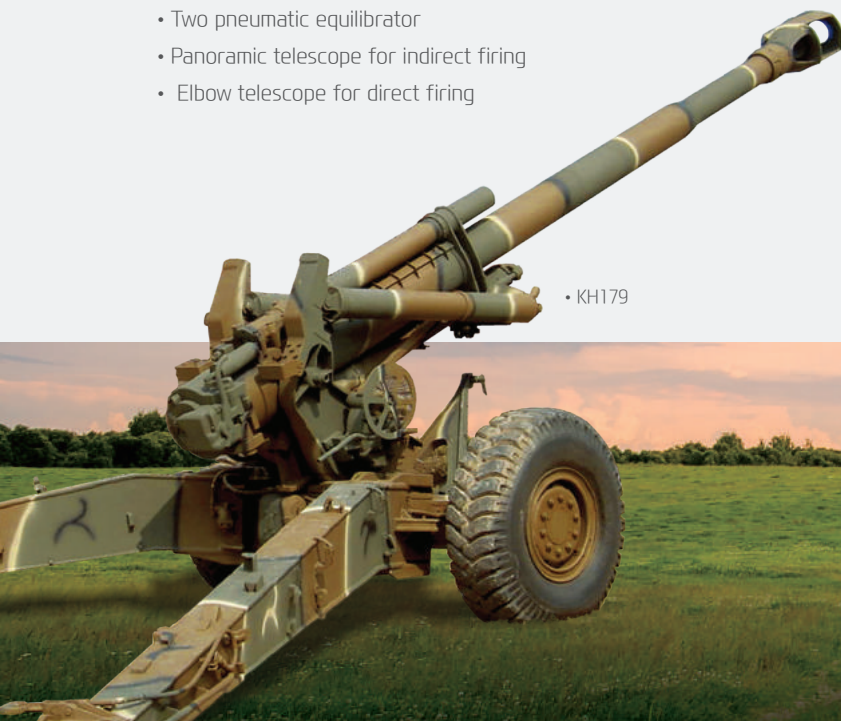
- Longer range, higher reliability and easier maintenance
- Use new 155mm ammunition and NATO standard ammunition
- Transportable by CH47C helicopter or C-130 carrier
- Interrupted screw breech mechanism
- High strength alloy steel, autofrettaged barrel
- Double baffle muzzle brake
- Variable, hydro-pneumatic, independent recoil mechanism
- Two pneumatic equilibrators
- Panoramic telescope for indirect firing
- Elbow telescope for direct firing

KH178 Characteristics

- Horizontal sliding breech block
- Double baffle muzzle brake
- Progressive twist rifling
- Constant, hydro-pneumatic recoil mechanism
- A hydro pneumatic-spring equilibrator
- Capability of firing all current standard 105mm ammunition

Specifications

Model	KH179	KH178MK1
Caliber	155mm	105mm
Barrel Length	39 Caliber	38 Caliber
Max.Firing Range	30Km(RAP)	18Km(ER-BB)
Rate of Fire(Max.)	4rds/min	15rds/min
Rate of Fire(Sustained)	2rds/min	3rds/min
Traverse Range	448 mils	409 mils
Elevation Range	1,220 mils	1,156 mils



• KH179

KM187/KM181 81mm/60mm Mortar

KM187 Characteristics

- Use both new ammunition and U.S standard ammunition
- Forged aluminum-alloy, light weight mounts
- High-tensile stainless steel, welded structure base plate
- Capability of firing both on the ground and on the concrete.

KM181 Characteristics

- Light weight, high angle-of-fire, high rate-of-fire and portable weapon
- Increased range
- Capability of firing all current or improved 60mm ammunition
- New cooling fin
- Radioactive self-illuminous sources

Specifications

Model	KM187	KM181
Caliber	81mm	60mm
Firing Range	Max. 6,325m, Min. 75m	Max. 3,590m, Min. 44m
Rate of Fire(Max.)	30rds/min/1.5min	30rds/min/4min
Rate of Fire (Sustained)	10rds/min/-	20rds/min/10min
Total Weight	43.5kg	19.5kg
Barrel Length	1,550mm	987mm



XKM120 120mm Mounted Mortar System



XKM120 Characteristics

- Improved accuracy, range and lethality
- Easily mounted onto various vehicles (Lightweight and Recoil system application)
- Automatic laying and loading mechanism
- Real time fire power support capability
- No survey (FCS and Navigation system application)

Specifications

Model	XKM120
Barrel Type	120mm rifled
Firing Range	Max. 8km
Rate of Fire	Max. 8 rds/min
Firing System	Drop & Trigger
Elevation Range	0° ~ 70°
Traverse Range	±200°
Gun Drive	Electrical/Manual
Ammunition Loading	Automatic
System Weight	1,500 kg

Recoilless Rifle

Specifications

Model	KM67	KM40A2
Caliber	90mm	106mm
Firing Range	400m	1,100m
Rate of Fire(Max.)	10rds/min	10rds/min
Total Weight	17kg	219Kg
Barrel Length	1,350mm	3,430mm





INTRODUCTION

HYUNDAI WIA Founded in 1976, a leading manufacturer in the industrial field of composite machinery in Korea, is producing high-tech precision products based on quality-first policy from Automobiles' Key Components, on the basis of our accumulated Technologies and Knowhows to various machine equipments such as Machine Tools, Robot, Press, etc. and Future-oriented Aircraft Components.

HYUNDAI WIA are developing Modern High-Tech Products to make human happiness realizable and are putting into practice Customer Satisfaction based on Perfect Quality as our a Top Priority and are showing dynamic growth as an Accredited Composite Machine Manufacturer all over the world as well as within the country.

"The 21st World High-Tech Precision Composite Machine Maker" is HYUNDAI WIA Hope and Aspiration and the Philosophy filled with Self-Confidence.

HYUNDAI WIA will promise we will be the Top Leader in Machine Tools and make affluent Technology Society and Pleasant Environment of Our Human Being through Constant Technology Development and Personnel Education in the pursuit of Creativity and Challenge

HYUNDAI WIA will hope for your constant Interests and Encouragements.

The Technology of the Future is in Our Customer's Dreams

HYUNDAI WIA - Making dreams Come true through innovation and challenge.



Land System

- 155mm/105mm Towed Howitzer
- 155mm SP-Howitzer Main Armament
- 120mm Tank Gun
- 60mm, 81mm, 120mm Mortar
- RCWS



Naval Armament System

- 5" Naval Gun
- 76mm Naval Gun
- 57mm MK3 Naval Gun
- 40mm MK3 Naval Gun
- 30mm Goalkeeper



Aerospace System

- Main & Nose Landing Gear
- Main Rotor Control
- Pilot Seat
- Commercial Airplane
- Landing Gear



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