



Business overview for Defense Division

Naval Armament 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.



01 Naval Armament History

Overview for Naval Armament Business

HYUNDAI WIA is one of the leading manufacturers in the field of Naval armament system in Korea. HYUNDAI WIA provides complete integrated logistics support for the Artillery & Naval Gun Mount system that is keyed to customer requirements. And we started mass production of Naval Gun Mount in 2000 that immediately went into active service in the R.O.K. Navy. 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.



Naval Armament History

- 1984 76mm Liner
- 1985 40mm Synchro Gear
- 1986 76mm Lower Hoist (KSW76)
- 1988 Decoy (R-BOC)
- 1990 40mm AA Gun Overhaul (40L/60K)
- 1995 KD 127 Off-Set
- 2002 KMK45 Naval Gun 1(Mar), 2(Oct) Delivered
- 2002~2007 76mm Korean Naval Gun Development
- 2005~2010 KMK45 Naval Gun 3~9 Delivered
- 2007~2010 76mm Naval Gun Performance Improvement
- 2009~ 76mm Naval Gun 1~18 Delivered
- 2009~ 40mm Naval Gun Development
- 2011 KMK45 Naval Gun 10 Delivered
- 2012~2014 KMK45 Naval Gun 11~14 Delivered

● Licensed Production ● Overhaul ● Designed by HYUNDAI WIA ● Off-set



02 Naval Gun Mount Products

KMK45

5" Naval Gun Mount
(Licensed Production)



Specifications

Caliber	127 mm/62 cal
Gun System Weight (Excl. Lower hoist)	24 ton
Rate of fire	20 Rounds/min
Max. Range	Conventional Round 24 km
Field of Elevation	15° ~ 65°
Field of Training	± 170°
Operation Type	Hydraulic/Electric

K-76L/62

76mm Naval Gun Mount
(Designed by HYUNDAI WIA)

Fully digital-controlled Stealth featured BIT function included



Specifications

Caliber	76 mm/62 cal
Gun System Weight (Excl. Ammunition)	Max. 8.9 ton
Rate of Fire	100 Rounds/min
Max. Range	16.3 km
Rounds in Gun	80 rounds
Field of Elevation	-15°~ 85°
Field of Training	Unlimited
Controller Type	Digital
Shield Type	Stealth



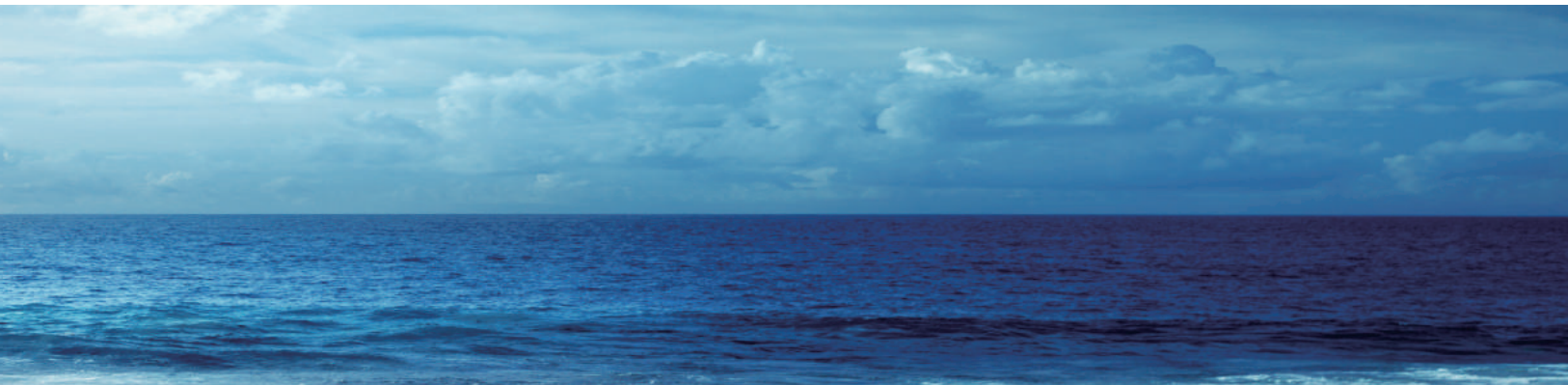
• Digital Control Panel



• Power Panel



• Gun Control Console



57mm MK3

Naval Gun Mount
(Licensed Production)



57mm Specifications

Caliber	57 mm/70 cal	
Gun System Weight (Excl. Ammunition)	7.5 ton	
Rate of Fire	220 rounds/min	
Max. Range	17 km	
Rounds in Gun	120 rounds	
Muzzle Velocity	1,020 m/s PFHE, 950 m/s HCER	
Life of Barrel	up to 4,000 rounds	
Dispersion	Elevation (S-Value)	0.4 mrad
	Training (S-Value)	0.4 mrad
Time to Open Fire at 45° Training and 35° Elevation from Stand-by Condition	2.2 sec	
Gyro-stabilized in local control		

40mm MK3

Naval Gun Mount
(Licensed Production)



40mm Specifications

Caliber	40 mm/70 cal	
Gun System Weight (Excl. Ammunition)	3.7 ton	
Rate of Fire	330 rounds/min	
Max. Range	12.5 km (3P)	
Rounds in gun	101 rounds	
Muzzle Velocity	1,012 m/s	
Life of Barrel	up to 5,000 rounds	
Dispersion	Elevation (S-Value)	0.6 mrad
	Training (S-Value)	0.6 mrad
Time to open fire at 45° training and 35° elevation from stand-by condition	1.9 s	
Gyro-stabilized in local control		



• 3P Ammunition



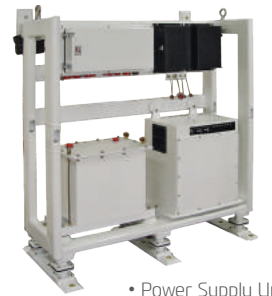
• Gun Laying Unit / Control Panel



• Power Supply Unit



• 3P Ammunition



• Power Supply Unit



30mm Goalkeeper

Closed In Weapon System
 (Licensed Production)



Specifications

Caliber	30 mm
Gun System Weight	10 ton
Gun Barrel	7 EA
Rate of Fire	4,200 Shots/min
Rifling	22Group Right Turning
Elevation Limit	Machine : -25°~ +85° Elec. : -20°~ +80°
Training Limit	Unlimited
Elevation/Training Speed	60°/sec





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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