



Reliable and Customer-friendly Enterprise

We have established quality care management,
and set up World-Best Standard as well
as satisfying a rapidly changing customers'
needs by customer-friendly management

www.win-tec.co.kr



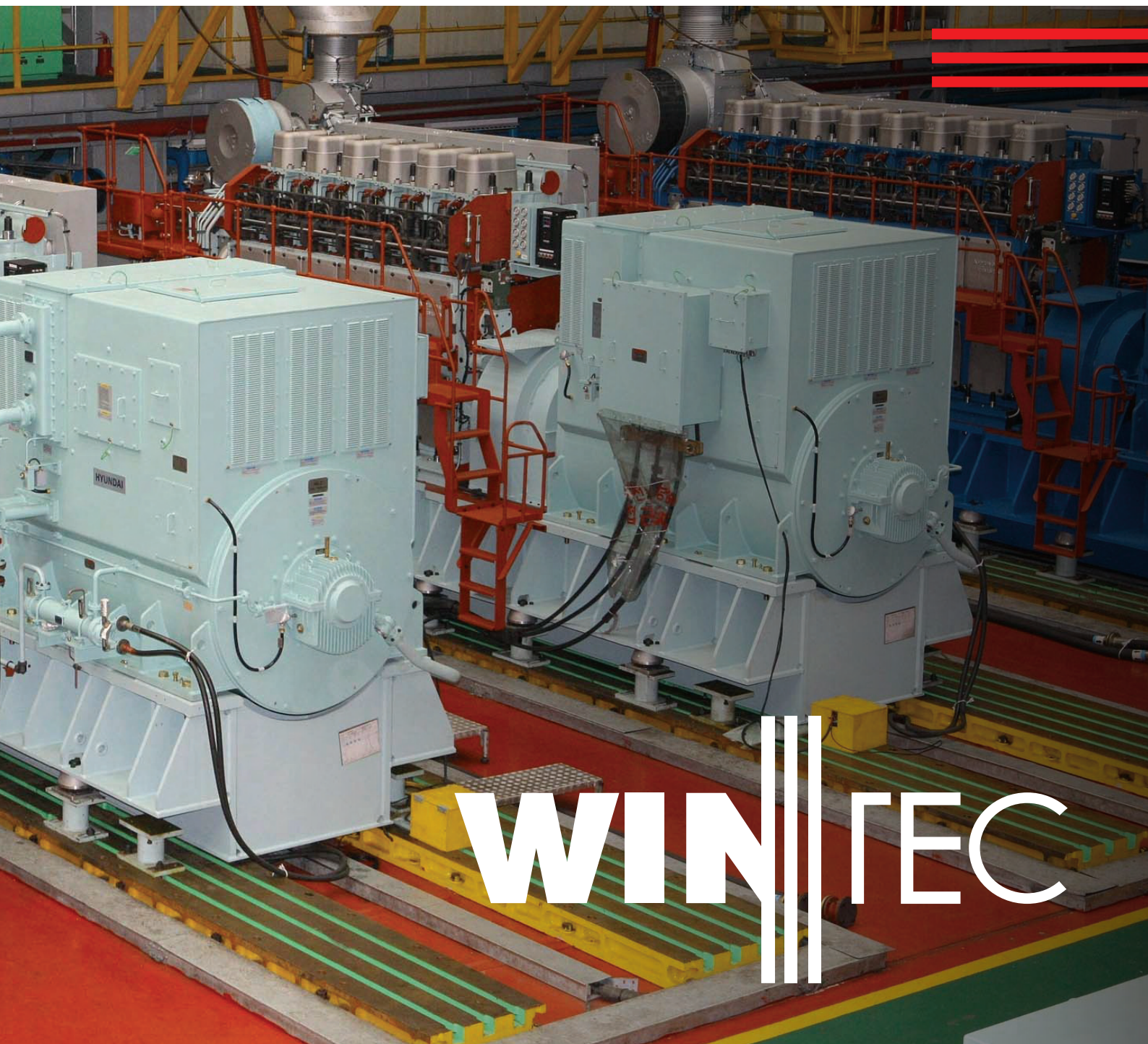


INTRODUCTION



Reliable and Customer-friendly Enterprise

We have established quality care management, and set up World-Best Standard as well as satisfying a rapidly changing customers' needs by customer-friendly management.



WINTREC, established in December of 2011 based on the technology of developing the FUEL INJECTION VALVE OF HEAVY DUTY 2 STROKE DIESEL ENGINE first in the nation. WINTREC has proven its technical possibility by supplying of FUEL INJECTION VALVES to HHI and contributing to import substitution of FUEL VALVES which before was solely dependent on international purchasing.

Also by developing and establishing manufacturing system for FUEL INJECTION VALVE for medium size 4 stroke diesel engine we have possessed the ability to meet the customer's needs with the highest quality. We promise to keep working to satisfy the customers with continuous research and development.

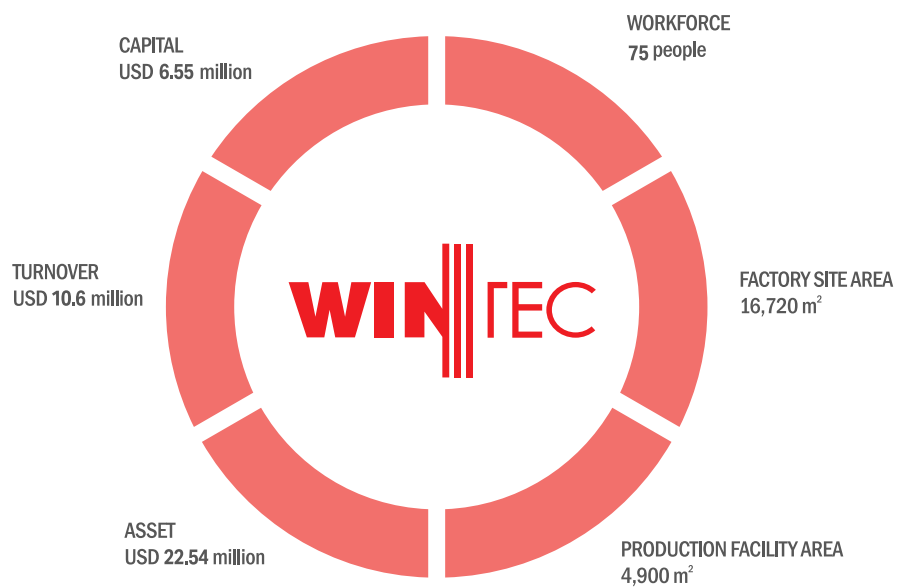


Company Status

WINTEC.

Company that you can trust! Company that pleases the customers! We have established maintained a keen quality management system.

Together with management keeping the customers at first, we have satisfied ever changing requests and circumstances.

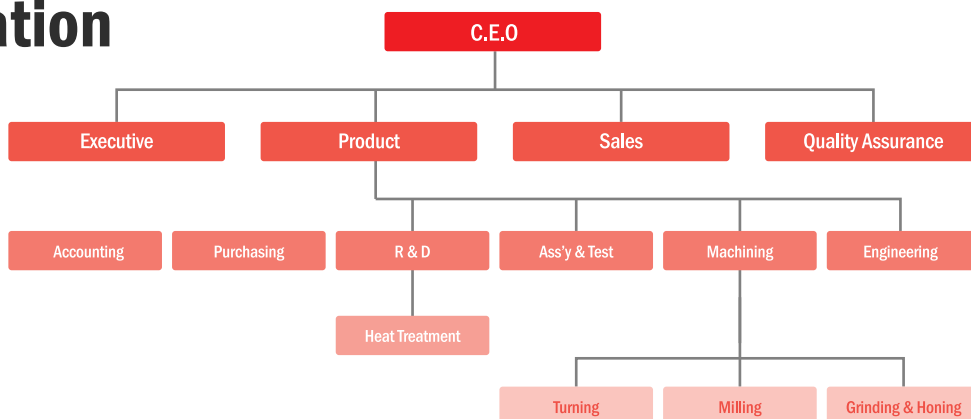




History

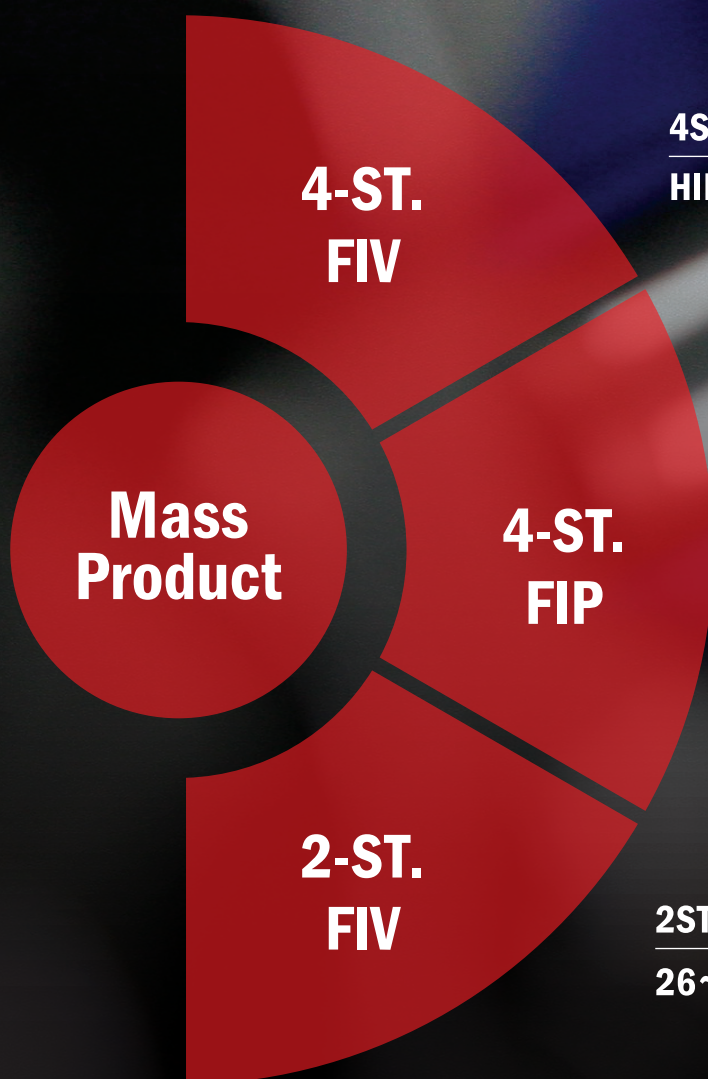
- 2011** 12 Establishment of Corporation
- 2013** 01 Facilities(Factory) Completion
- 03 Acquisition of ISO 9001 Quality Management System Certificate (DNV)
- 04 Acquisition of Technical Research Institute Certificate (Korea Industrial Technology Association)
- 05 Acquisition of FIV Certificate of Approval from MAN Diesel & Turbo
- Registration of Partnership Company to HHI
- 07 Launching ERP system (WIN-V)
- 2014** 02 Acquisition of Certificate of Business & Academic Cooperation System with Korea Maritime University
- 06 Acquisition of Certificate of Clean Work-place from Korea Occupational Safety & Health Agency
- Acquisition of Trade Business Number from Korea International Trade Association
- Registration of Partnership Company to MAN Diesel & Turbo
- 11 Registration of Military Service Exception Firm (Military Manpower Administration)
- 2015** 01 Registration of Partnership Company to STX
- 11 Awarded the commemoration prize for the 3million dollar export achievement
- 2016** 03 Acquisition of DUNS Number(688378792)
- 11 Awarded the commemoration prize for the 5million dollar export achievement
- 2017** 06 Registration of Partnership Company to YUNGPU Heavy Machinery by CHINA
- 06 Approval of HIMSEN ENGINE Fuel Injection Valve to HHI
- 10 Approval of HIMSEN ENGINE Fuel Pump to HHI
- 2018** 01 Registered for participation in competitive bidding by Public Procurement Service
- 07 Registration of Partnership Company to IMEX by JAPAN
- 10 Registration of Partnership Company to HITACHI by JAPAN
- 2019** 03 Acquisition of MAN ES GAS INJECTION VALVE manufacturing approval
- 2021** 04 Registration of Partnership Company to HSD
- 07 Acquisition of FTPA certificate: Hydraulically actuated injectors from Win-G&D
- 2022** 02 Change Company name from Winwin Intec to WINTEC Co.,LTD

Organization



WINTEC

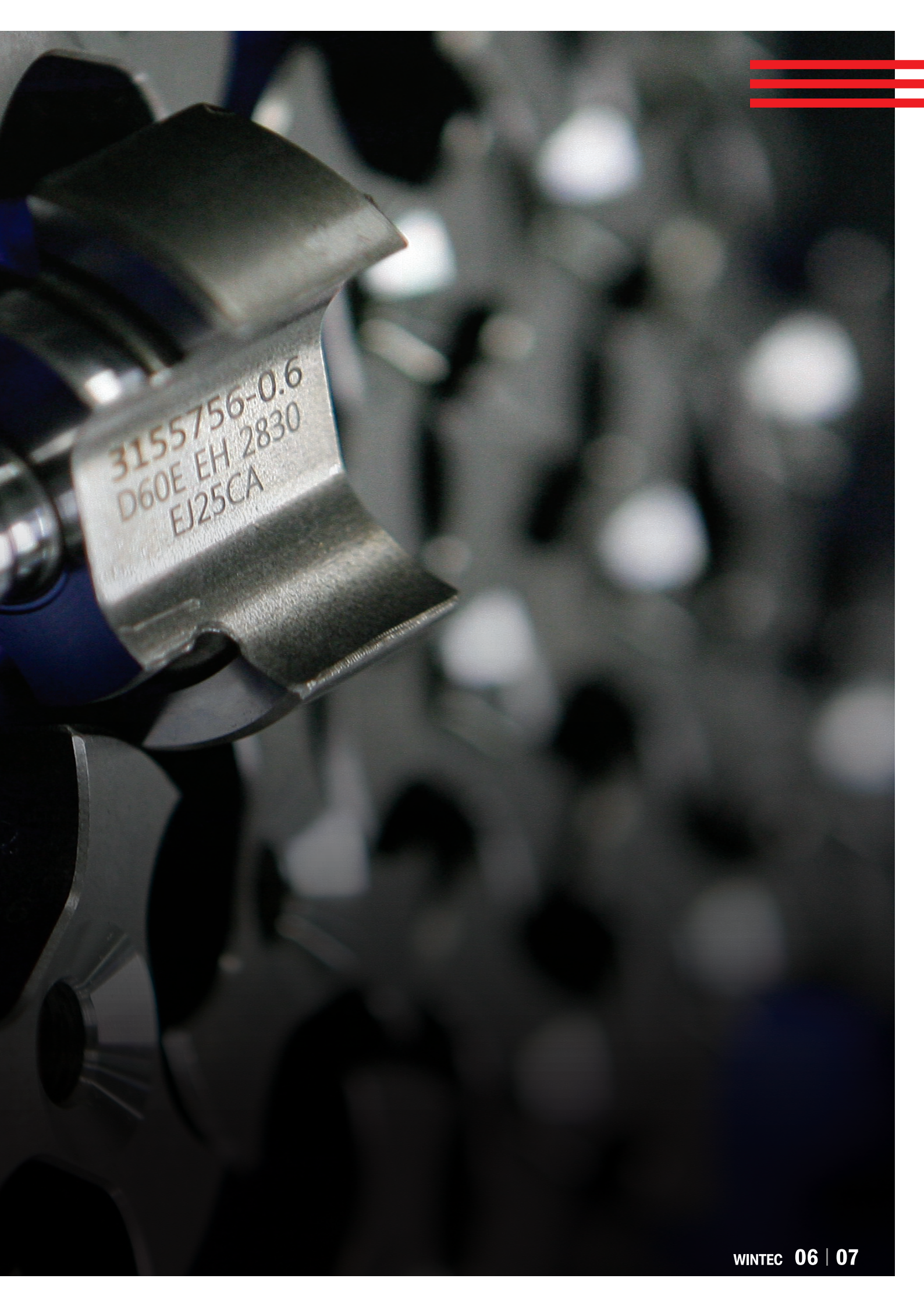
MAIN PRODUCTS



4STROKE FUEL VALVE
HIMSEN ENGINE

4STROKE FUEL PUMP
HIMSEN ENGINE

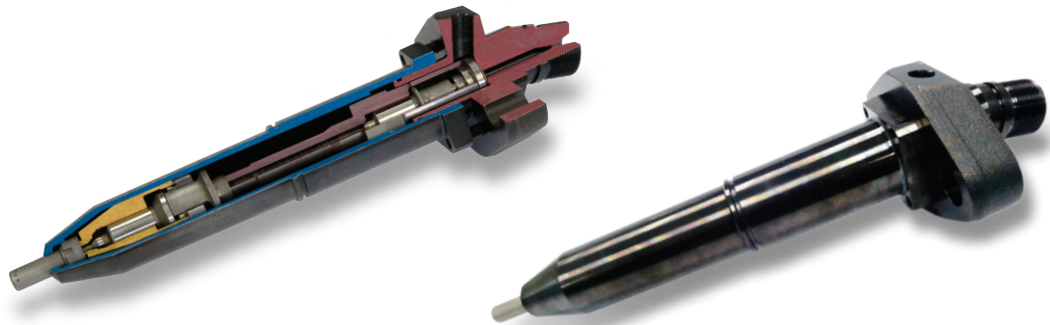
2STROKE FUEL VALVE
26~98 BORE(ALL TYPE)



3155756-0.6
D60E EH 2830
EJ25CA

01

Fuel Valve for 2-Stroke Low Speed Marine Diesel Engine



2-Stroke Fuel Injection Valve

Function and Feature

- Injecting High Pressure Fuel Delivered from Injection Pump
- Main Components

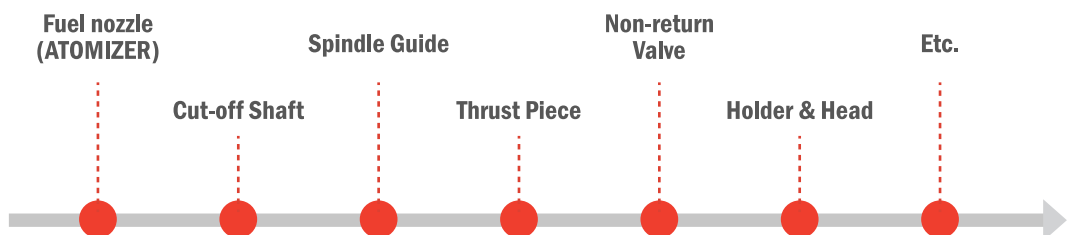
Main Production Processing Techniques

- Special Nozzle Hole Processing Technology
- EDM(Electronic Discharge Machining) Process
- Opening Pressure Control Technology

02

Supplying Main Components for Fuel Valve

Main Components



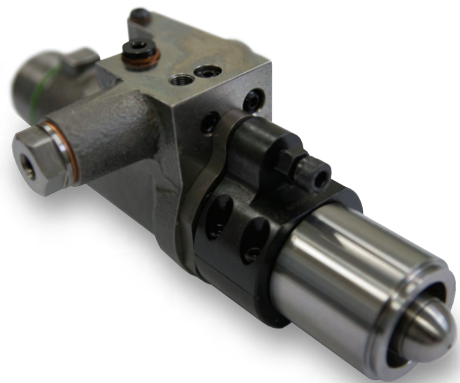
03

4-Stroke Fuel System



Fuel Injection Valve & Pump

- Himsen Engine (High & Medium Speed Engine)
- Production Capability of 20,000 Cylinder per Year
- Mass Production System



DVT (Dual Valve Timing)

- Himsen Engine (High & Medium Speed Engine)
- Applicable for both engines for propulsion & power generation
- Mass Production System

04

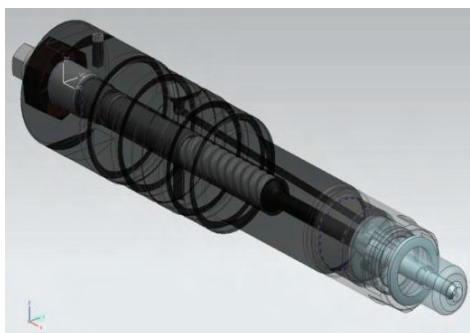
4-Stroke Fuel System Development & Special Parts Supply Service

Status of Developing Process

- Fuel Equipment for Himsen Engine (all types)
- Supplementing self-designing capability

Main Components

- Atomizer A'ssy, Injection Body, Etc.
- Plunger, Barrel, Roller, Etc.

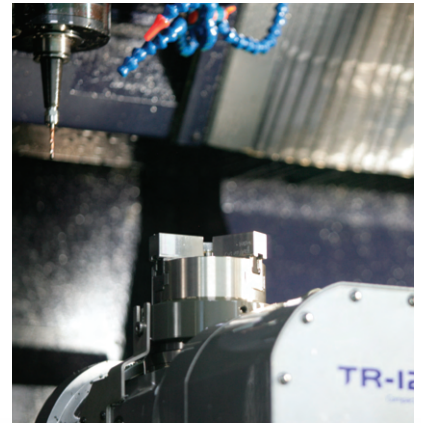


Production Equipment

**CNC TURNING
CENTER : 20**



**MCT
MACHINES : 10**



**GRINDING
MACHINES : 25**





HEAT TREATMENT FURNACE

- Vacuum Q/T, Nitriding, Sub-zero
- Carbonitriding, Tempering



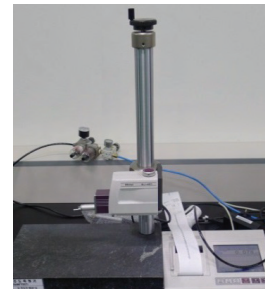
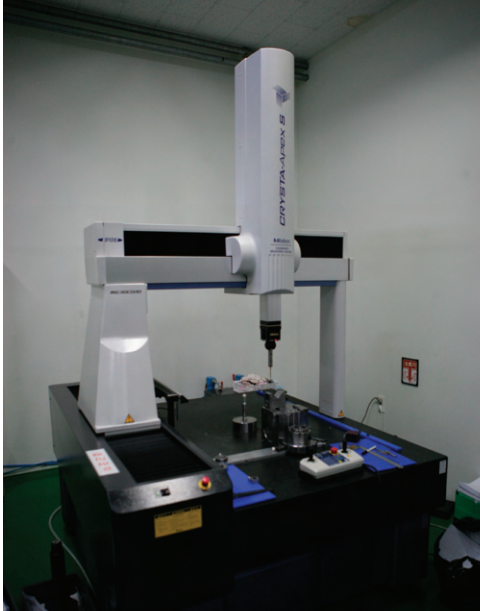
PREPARATION / POST HEAT TREATMENT FACILITY

- Vacuum Clearing, Shot Blast
- Hand Shot Blasting



Inspection Equipment

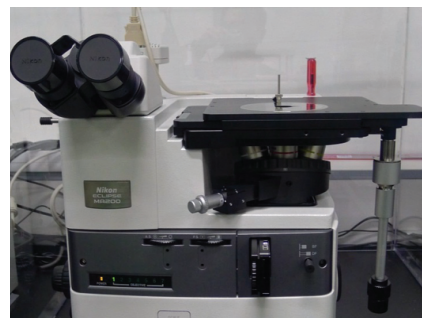
| SPECIAL INSPECTION ROOM (TEMPERATURE & HUMIDITY CONTROL)



1	2	3
4	5	6

1. THREE DEMENSION MEASURING M/C 2. ROUNDNESS MEASURING M/C
3. VIDEO METER 4. LASER SCAN MICROMETER
5. AIR MICROMETER 6. ROUGHNESS TESTER

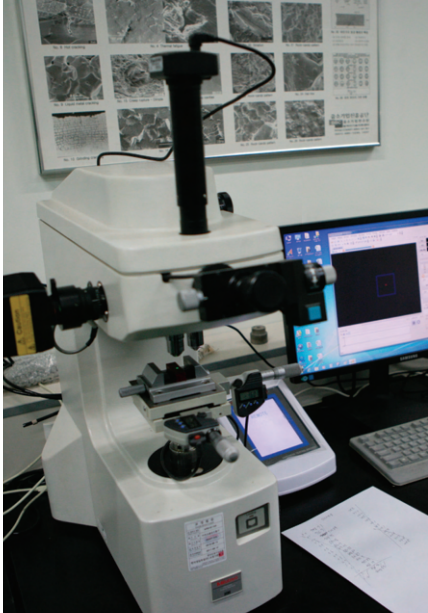
| SPECIAL INSPECTION ROOM (TEMPERATURE & HUMIDITY CONTROL)



1	2	3
4	5	6

1. THREE DEMENSION MEASURING M/C 2. MICROSCOPE
3. CUTTING MACHINE 4. MOUNTING PRESS
5. POLISHING M/C 6. LO-DIA CUTTING M/C

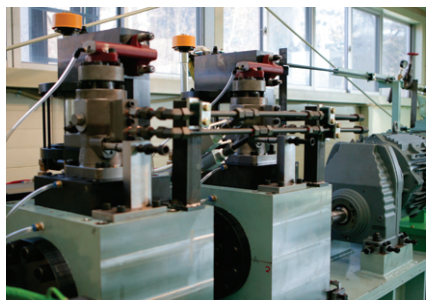
HARDNESS TESTER



1	2	3
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1. VICKES HARDNESS TESTER
2. ROCKWELL HARDNESS TESTER
3. BRINELL HARDNESS TESTER

OTHERS



1	2	3
4	5	

1. ENDOSCOPE
2. FUEL PUMP TEST RIG
3. HYDRO STATIC TESTER
4. FUEL VALVE TESTER(2-ST)
5. FUEL VALVE TESTER(4-ST)

Medium & Long Term Plan

GLOBAL LEADING COMPANY

SPECIALIZED IN FUEL INJECTION

- Fuel Injection Valve & Pump for Maritime Business
- Fuel Injection device for Generator
- Fuel Injection device for Automobile & Heavy Industry

SPECIALIZED IN PRECISION ENGINEERING

- Equipment & Material for Maritime Business
- Equipment & Material for Automobile & Heavy Industry
- All business area in Precision Engineering

R&D

- Assuring world best quality products
- Developing innovative products
- Cooperating with technology organization for world best quality

Main customer



Certificate



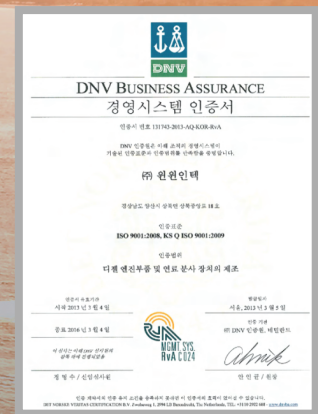
All type MC/ME ENGINE FIV
Certificate of Approval
by MAN DIESEL & TURBO



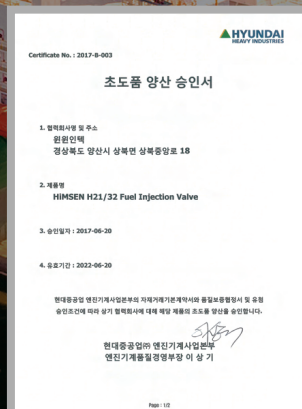
Gas Injection Valve Certificate
of Approval by MANES



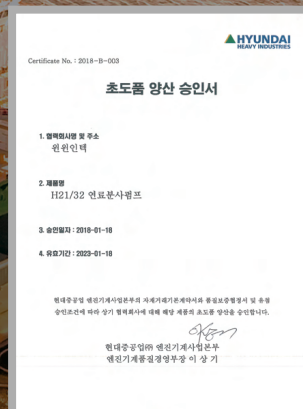
WinGD Hydraulically
Actuated Injectors
Certificate of Approval by win G&D



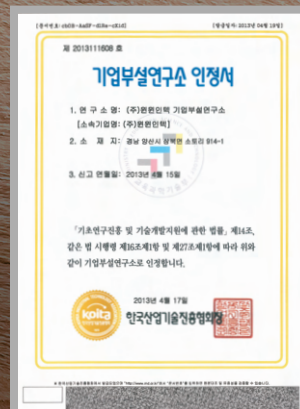
ISO 9001 Quality Management
System Certificate (DNV)



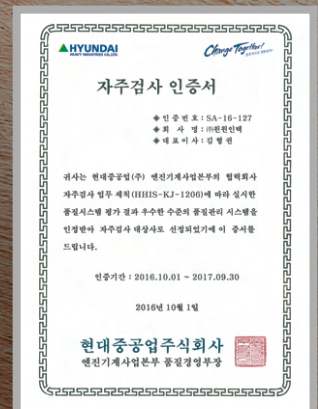
Certificate of HIMSEN ENGINE
Fuel Injection Valve by HHI



Certificate of HIMSEN ENGINE
Fuel Injection Pump by HHI



Technical Research Institute
Certificate by Korea Industrial
Technology Association



Certificate of Self Inspection by HHI



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