

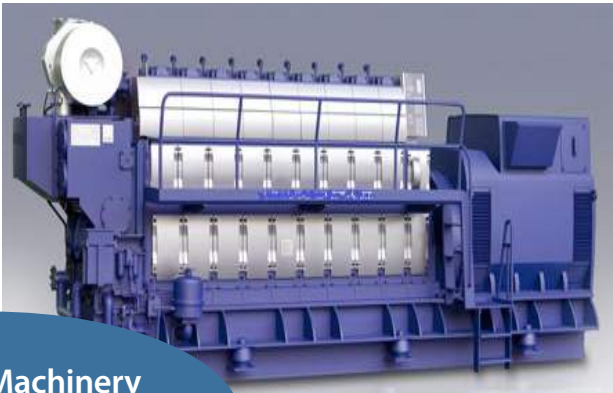
WORLD BEST HYDRAULIC SOLUTION & SERVICE FOR MARINE ENGINE



HANMI
HYDRAULIC MACHINERY CO.,LTD.

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**Hydraulic Machinery
For
Marine Engine**



History

HANMI Hydraulic Machinery Co., Ltd. was established in July 1985. HANMI has been grown up through creative, ceaseless R&D with challenging spirit to supply customers worldwide with hydraulic machinery and equipment for marine engine use. As a global leading manufacturer of the hydraulic machinery, HANMI will be continuously making every efforts to meet market needs and to provide best service to realize customers satisfaction.

2017	<ul style="list-style-type: none"> • Approved MAN Diesel & Turbo FTPA of Alpha Lubricator Mk- II • Newly Developed On/Off Control Hydraulic Top Bracing and Upgraded Stand Alone Type • Awarded 3 Million USD Export
2016	<ul style="list-style-type: none"> • Developed ME-GI Gas Valve Test Device • Developed W-X DF Injection Test Bencha • Developed Sandwich Filter for Mk-2 Lubricator, FIVA, ELVA and Hyd. pump
2015	<ul style="list-style-type: none"> • Approved MAN Diesel & Turbo Provisional Certificate of Alpha Lubricator Mk. II • Developed GI Gas Booster Unit
2014	<ul style="list-style-type: none"> • Approved WIN G&D Supplier Approval Certificate of X-engine Lubricator • Developed W-X Injection Test Bench
2012	<ul style="list-style-type: none"> • New factory & Office • Awarded 2nd Government President Award-Single PPM
2011	<ul style="list-style-type: none"> • Acquired ISO14001 • Awarded 1st Government President Award-Single PPM
2005	<ul style="list-style-type: none"> • Produced ME Alpha Lubricator Mk. I
2003	<ul style="list-style-type: none"> • Produced MC Alpha Lubricator • Acquired ISO9001
1995	<ul style="list-style-type: none"> • Produced Hydraulic Top Bracing
1987	<ul style="list-style-type: none"> • Produced Fuel Valve Test Device • Produced Air Driven High Pressure Pump & Hydraulic Jack
1985	<ul style="list-style-type: none"> • Established

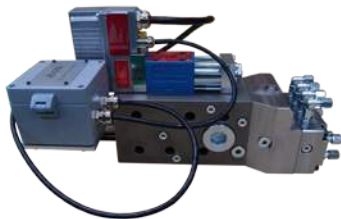
Product Introduction

2-ST Main Engine Lubrication system

Cylinder Lubricator Unit

- Global major supplier over 20 years to give cylinder lubricating solution and service to customers.
- FTPA certification in manufacturing of MDT and WIN G&D 2-st engines.

MAN Diesel & Turbo



ME Mk- II



ME Mk- I



MC

WIN G & D



X-engine

Product Introduction

2-ST Main Engine Lubrication system

Heating Tank Unit & Booster Pump Station

- Original compact design and long-term production know-how.
- System reliability and overall competitiveness.

MAN Diesel & Turbo



ME Heating Tank Unit



MC Booster Pump Station

Product Introduction

Hydraulic Top Bracing

Patent no. 10-2015-0012785, 30-2001-0004557

- Global leading supplier over 20 years to provide advanced technology.
- Superior performance to avoid resonance in between main engine and ship hull structure and to reduce the response in engine operation speed range by introducing higher hydraulic force and damping.
- Project base support for optimal solution in selecting either high/low mode or on/off control type.
- Fast, reliable commissioning and after service.

MAN Diesel & Turbo

WIN G & D



HTBA225-30



HTBS225-30



HTBS200-30



TBS250-30

	HTBA225-30	HTBS225-30	HTBS200-30	TBS250-30
Cyl. Dia.(mm)	225	225	200	250
Cyl. Max. Force(kN)	183	183(H) / 127(L)	127	320(H) / 200(L)
Air Supply(bar)	6	N/A	N/A	N/A
Weight(kg)	160	160	160	138

Product Introduction

Fuel Valve Test Device Patent no. 10-2016-0153696, 30-2004-0026406, 30-2004-0026407

- Global leading supplier in the field of 2&4-st engine fuel valve test device over 30 years.
- Creative R&D activities and challenge to realize customers satisfaction.
- New development of gas engine test device to comply with market needs.

MAN Diesel & Turbo



HDFD-1100
(MC/ME)

VTU-500ME-GI
(ME-GI)

WIN G & D



VTUE-2000/DF
(W-X)

VTU-2000/2500
(RTA/RTF)

Product Introduction

Air-Driven High Pressure Pump

Patent no. 30-2004-0026405, 30-2001-0002564

- Original design and production know-how over 30 years.
- Continuous product up-grade and improvement.

MAN Diesel & Turbo



AHP-1500 / 1500.2



AHP-2500 / 2000



AHP-3500

	AHP-1500 / 1500.2	AHP-2500 / 2000	AHP-3500
Max. Pressure(bar)	1,500	2,000 / 2,500	3,500
Max. Flow Rate(ℓ/min)	0.35 / 0.5	0.18 / 0.81	0.7

WING & D



AHP-2500.1



AHP-3000



AHP-3000.1

	AHP-2500.1	AHP-3000	AHP-3000.1
Max. Pressure(bar)	2,500	2,500	3,500
Max. Flow Rate(ℓ/min)	1.45(L) / 0.5(H)	0.5	0.5

Product Introduction

Hand Operated High Pressure Pump

- Compact design, higher reliability and easy operation unit.

	HML-1600	HML-1700 / 2000N	HML-2500	HML-3500
Max. Pressure(bar)	1,500	1,700 / 2,000	2,350	3,000



Hydraulic Jack

- Production and engineering know-how over 30 years to provide troubleshooting service.

	MAN Diesel & Turbo			WIN G & D	
	MC	MC-C	ME	RTA	RTF, X-engine
Working Pressure(bar)	900	1,500	2,200	900	1,500



Product Introduction

High Pressure Quick Coupling & Hydraulic Hose

Patent no. 10-2012-0124034

MAN Diesel & Turbo / WIN G & D


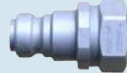


■ 1.5K SERIES

				
Model no.	HC-1.5K	HNC-1.5K	HN-1.5K	
Max. Pressure	1,500bar / 150MPa	1,500bar / 150MPa	1,500bar / 150MPa	1,800bar / 180MPa
Connection	G1/4" Female Thread	G1/4" Female Thread	G1/4" Male Thread without valve	-

■ 2.0K Series

				
Model no.	HC-2.0K	HNC-2.0K	HN-2.0K	
Max. Pressure	2,000bar / 200MPa	2,000bar / 200MPa	2,000bar / 200MPa	2,500bar / 250MPa
Connection	G1/4" Female Thread	G1/4" Female Thread	G1/4" Male Thread without valve	-

■ 2.5K Series

				
Max. Pressure(bar)	HC-2.5K	HNC-2.5K	HC-L2.5K	
Max. Pressure(bar)	2,500bar / 250MPa	2,500bar / 250MPa	2,500bar / 250MPa	2,500bar / 250MPa
Max. Flow Rate(ℓ/min)	G1/4" Female Thread	G1/4" Female Thread	G1/4" Female Thread	-

Certification & Award



Lubricator(Mk.2)
 FTPA(MDT)



Lubrication Pump
 FTPA(WIN G&D)



Single PPM Quality



ISO 9001



ISO 14001



R & D Center Cert.

Certification & Award



Single PPM-National President Award



Single PPM-National President Award



Quality Capital Stock Developing National Economy Minister Award



Good Tax Payer-National Award



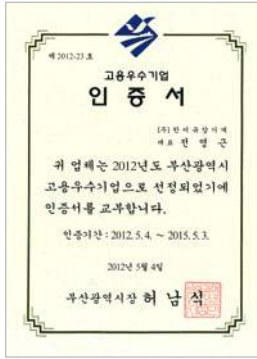
Ministry Of Health & Welfare Minister Award



Small & Strong Business Cert.



Venture Enterprise Cert.



Leading Employer Cert.



INNO-BIZ Cert.

Patent



Air Driven Pump



Air Driven Pump



Air Driven Pump



Air Driven Pump



Fuel Valve Tester



Fuel Valve Tester



Hydraulic Bracing For Vessel Engines



Pump Unit



Pump Unit



Coupling for High Pressure Hose



Customers



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