



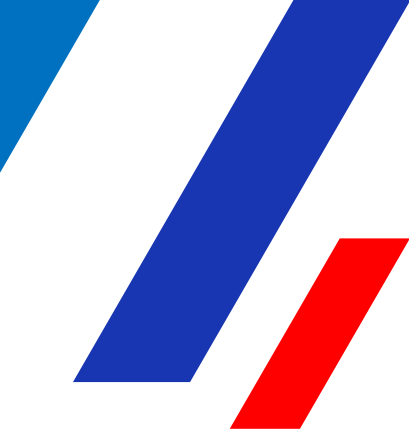
YJT / stx / KBB

2023

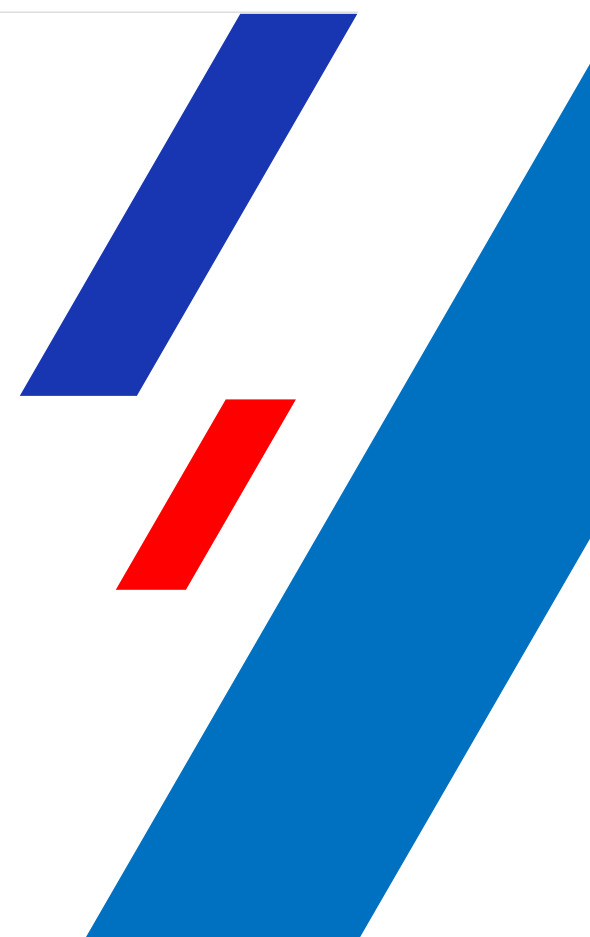
Drive For Perfection

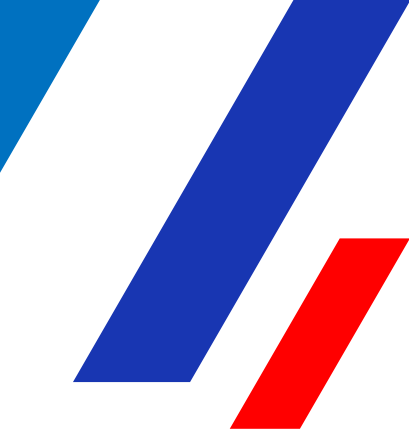
YONGJIN Turbo

STX, Heavy Industries Co., Ltd

Three diagonal bars in blue and red are located in the top-left corner of the slide.

YJT Company Overview

- 
- Three diagonal bars in blue and red are located in the bottom-right corner of the slide.
- 1 About Us , History , ISO Certification , Organizational Structure
 - 2 Product Range , Overhaul Services
 - 3 Work Flow Process , Technical Support References
 - 4 Major Experiences , Sales Performance
 - 5 YJT Workshop Photos
 - 6 Global Network , International Presence
 - 7 Promotion

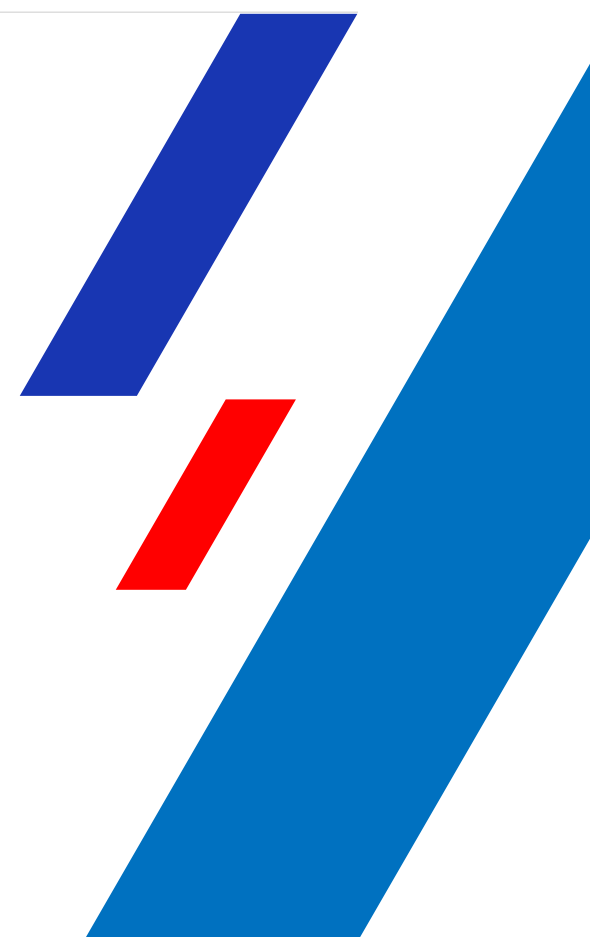
Three thick diagonal bars in blue and red are positioned in the top left corner of the slide.

About Us

- YJT (YONGJIN TURBO CO., LTD.) - Your Best Choice
Turbo Charger Specialist in South Korea

YJT, also known as Yongjin Turbo Co., Ltd., is a leading Turbo Charger Specialist based in South Korea. We take great pride in providing our clients with high-quality parts and exceptional service. With extensive experience in supporting turbochargers from major makers such as MAN, MHI, KBB, and ABB, our highly trained engineers are always up-to-date with the latest industry knowledge and are dedicated to meeting our clients' needs.

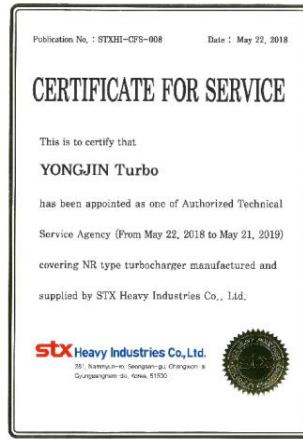
At YJT, we understand the urgency of emergency situations and the importance of quick response times. Our contact number is available 24/7/365, and our team of engineers is always ready to attend to any emergency situation promptly. If you have concerns about your T/C, please do not hesitate to contact us. YJT is committed to providing you with the best possible solutions to meet your needs. Choose YJT, your best choice for Turbo Charger Specialists.

Three thick diagonal bars in blue and red are positioned on the right side of the slide.

HISTORY & ISO Certification



/ STX AGENCY Cert



/ STX SERVICE Cert



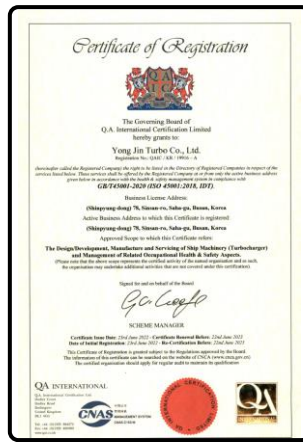
/ KBB Cert



/ ISO 9001:2015



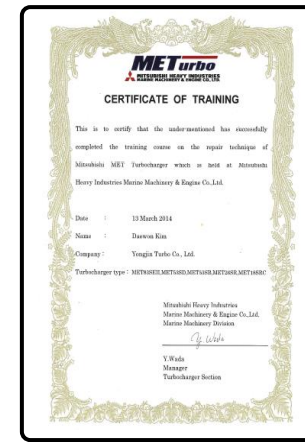
/ ISO 14001:2015



/ ISO 45001:2018



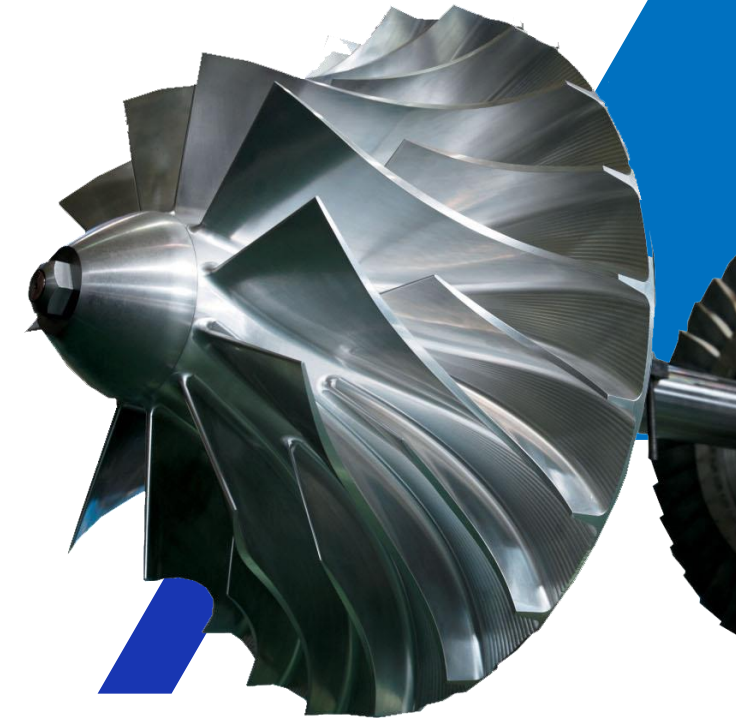
/ MAN Training Cert



/ MHI Training Cert

- 2011. Mar Established "YONGJIN TURBO"
- 2011. Nov Contracted Service Agent with STX Marine Service
- 2011. Dec Contracted Service Agent with STX Metal
- 2014. Jul Contracted Service Agent with MAN Diesel & Turbo Korea
- 2015. Jan ISO 9001 : 2015
- 2015. Aug Contracted Service Agent with STX Engine
- 2016. Jun Contracted Authorized Agent with STX Heavy Industries
- 2019. Nov Contracted Authorized Sales & Service Agent with KBB (Kompressorenbau Bannewitz GmbH)
- 2020. Nov ISO 14001 : 2015
- 2020. Dec Contracted with Ship Repair Supporting Center of Mokpo National Maritime University
- 2022. Jun ISO 45001 : 2018

ORGANIZATION



RANGE OF SUPPLY



Spare Parts			
	MAN	NR	
		TCR/TCA	
		NA	
	MHI	MET	
		TD	
	ABB	RH / RU	
		VTR	
		TPS / TPL	
	KBB	HPR	
		ST	
		R- Type	
	NAPIER	NAPIER TYPE	



OVERHAUL WORK SCOPE



TYPE	Serial	OVERHAUL			
		Standard Overhaul	Cartridge Overhaul	Special Cleaning	Dynamic Balancing
NR	All Types	O	O	O	O
NA	All Types	O		O	O
TPS	All Types	O	O	O	O
TPL	All Types	O		O	O
MET	18, 22, 26	O	O	O	O
MET	30, 37	O	O	O	O
MET	42/45, 53/56 66, 71/710, 83, 90	O		O	O
TCR	All Types	O	O	O	O
TCA	All Types	O		O	O
VTR	160/1, 200/1, 250/1, 320/1, 400/1, 500/1, 630/1, 750/1	O		O	O
VTR/C	184, 214, 254, 304	O		O	O
VTR	354, 454, 564, 714	O		O	O
HPR	All Types	O	O	O	O
ST	All Types	O	O	O	O
RU	All Types	O	O	O	O
TD	All Types	O	O	O	O
RH	All Types	O	O	O	O
AT14	All Types	O	O	O	O

OVERHAUL WORK SCOPE



TYPE	Serial	NOZZLE RING		CASING Dismantle & Reassembling	
		Dismantle & Reassemble	Special Cleaning	(G.O.C) Gas Outlet Casing	(G.I.C) Gas Inlet Casing
NR	All Types	O	O	O	O
NA	All Types	O	O	O	O
TPS	All Types	O	O	O	O
TPL	All Types	O	O	O	O
MET	18, 22, 26	O	O	O	O
MET	30, 37	O	O	O	O
MET	42/45, 53/56 66, 71/710, 83, 90	O	O	O	O
TCR	All Types	O	O	O	O
TCA	All Types	O	O	O	O
VTR	160/1, 200/1, 250/1, 320/1, 400/1, 500/1, 630/1, 750/1	O	O	O	O
VTR/C	184, 214, 254, 304	O	O	O	O
VTR	354, 454, 564, 714	O	O	O	O
HPR	All Types	O	O	O	O
ST	All Types	O	O	O	O
RU	All Types			O	O
TD	All Types			O	O
RH	All Types			O	O
AT14	All Types	O	O	O	O

WORK FLOW



On Board



/ Trouble shooting



/ Or Renewing



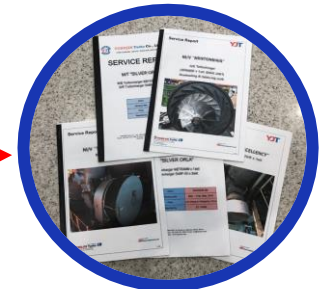
/ Boarding and meeting With Clients



/ Dismantling



/ Reassembling



/ Confirmation with report

At Workshop



/ Inspection



/ Measuring



/ Special cleaning

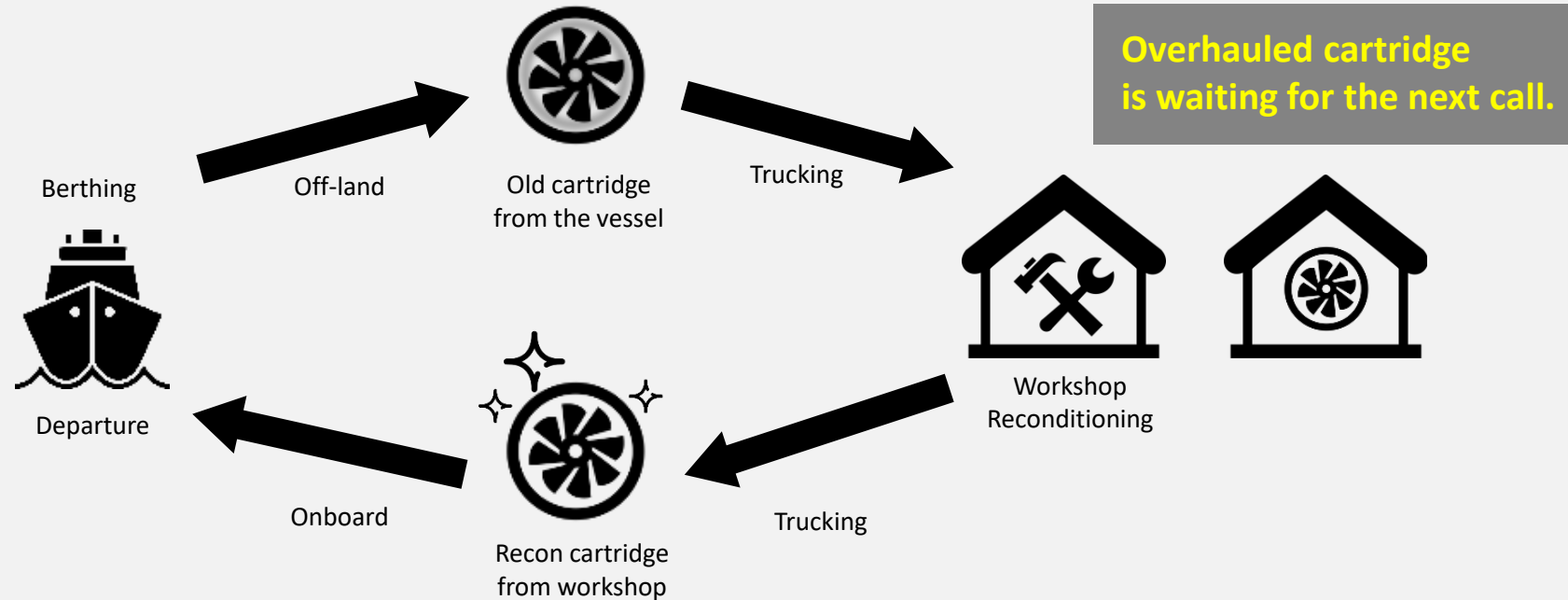


/ Balancing

EXCHANGE BASIS SERVICE



Minimize Overhaul & Berthing time



- ✓ This service will reduce overhaul and berthing time.
- ✓ If you have a series of vessels regularly calling to Korea, we can immediately exchange cartridges on board.
- ✓ Off-landed cartridge will be overhaul and then a recondition cartridge will be re-load to the vessel.
So you can manage your vessel more efficiently.

SPECIAL STRENGTH



Spare Parts

- / We hold the largest inventory of **STX MAN NR Type** products worldwide as a wholesaler, particularly an abundance of NR29/S NR34/S Type Genuine parts, with a secured stock valued at approximately **\$7.5 million**.
- / Competitive and reasonable pricing is based on our heavy buying power, Effective and prompt supply to meet any special requirements or unexpected situations



Service

- / Our fully certified service engineers provide T/C overhaul services of all types
- / One(1)-year warranty for all spares and services supplied by us
- / Please do not hesitate to contact us for any T/C technical support
- / Our contact number is 7/24/365 on duty

KBB Prototype Testing Collaboration



- As one of the largest agents of KBB, YJT takes pride in offering reliable onboard and workshop services for T/C Overhauls. It allows KBB to trust YJT and reduce variables in prototype testing and enables long-term tracking and management. (*Specific details regarding upgrades and necessities remain confidential.)

Long Term T/C Contracts with 'STX & HSD'

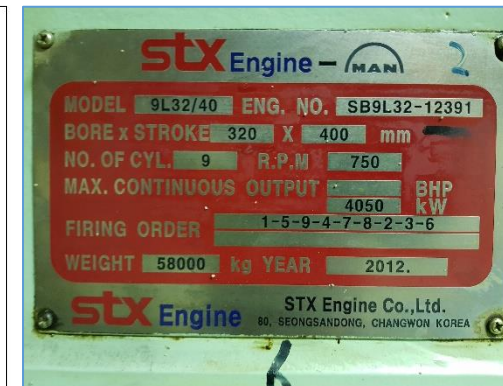


Service Report

stx

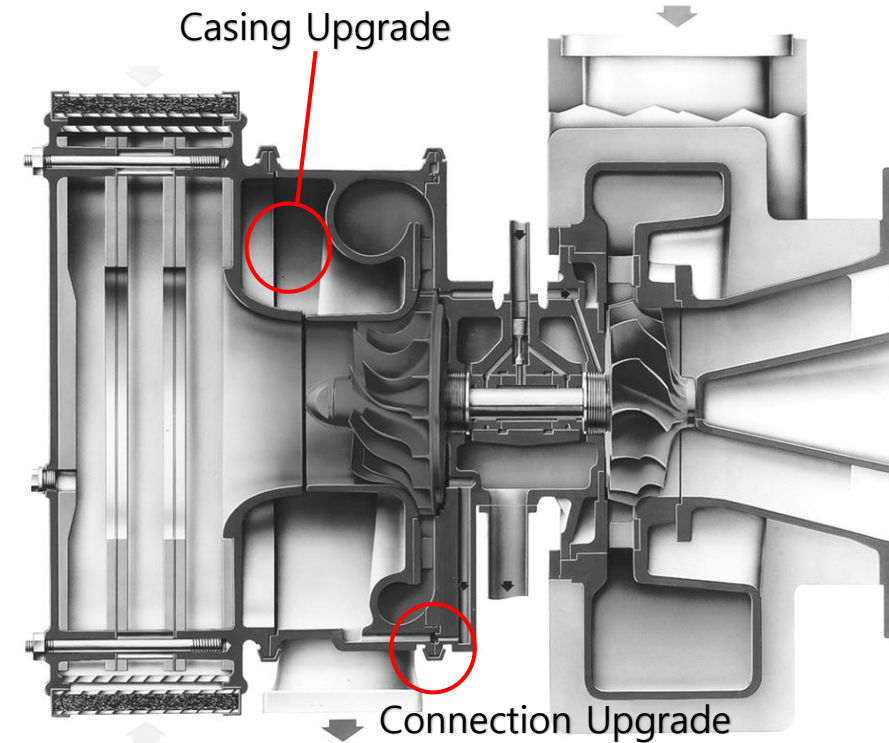
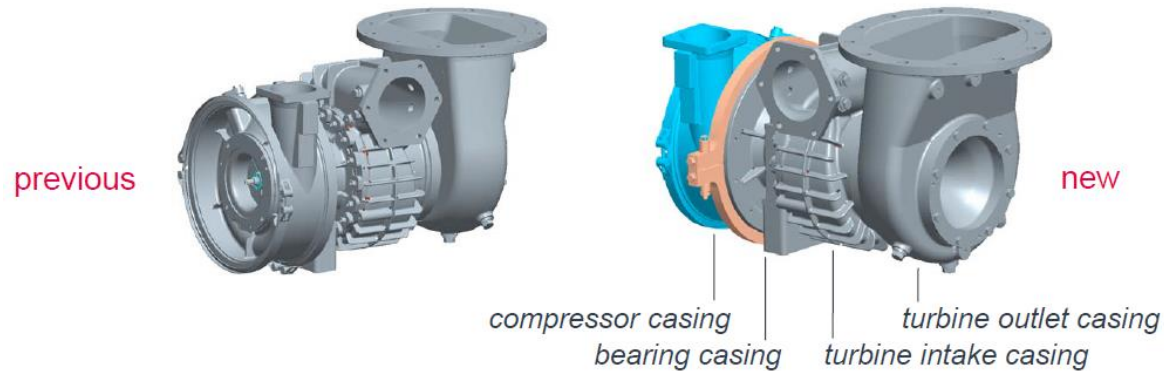
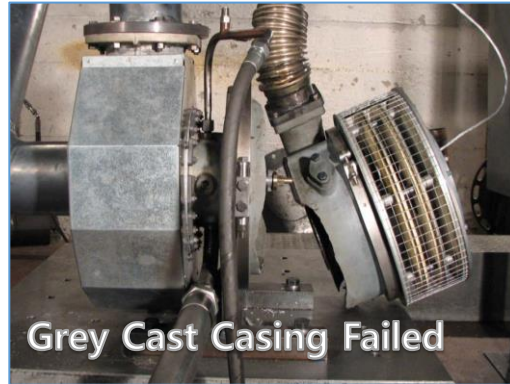
LNG/P "QATAR GAS"

D/G Turbocharger NR34/S109 & 110
GAC & T/S Insert condition



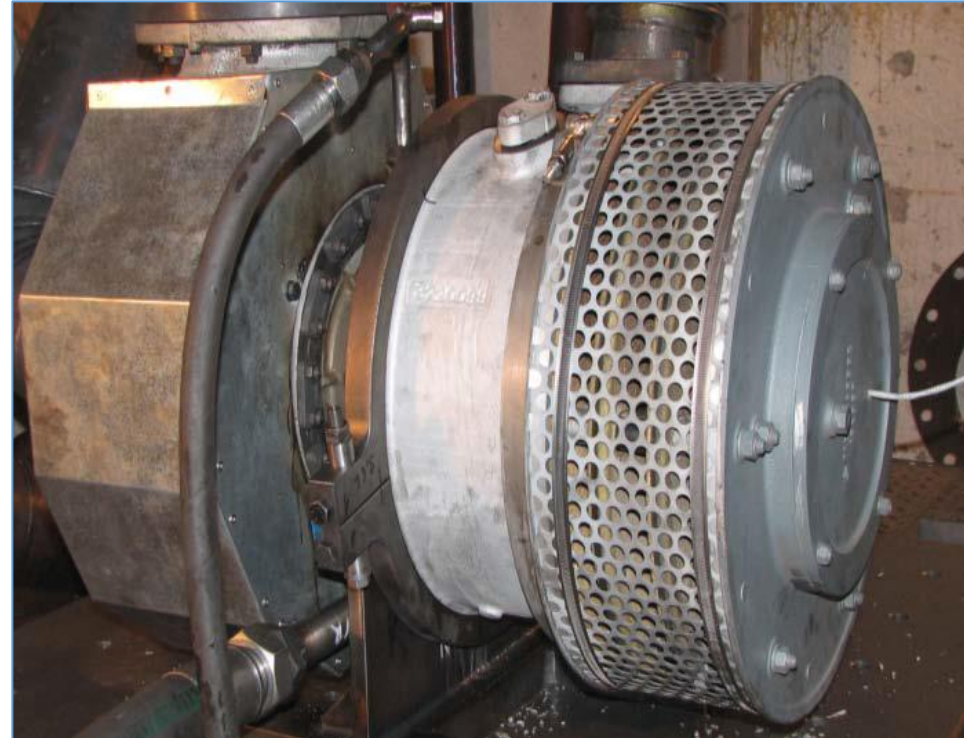
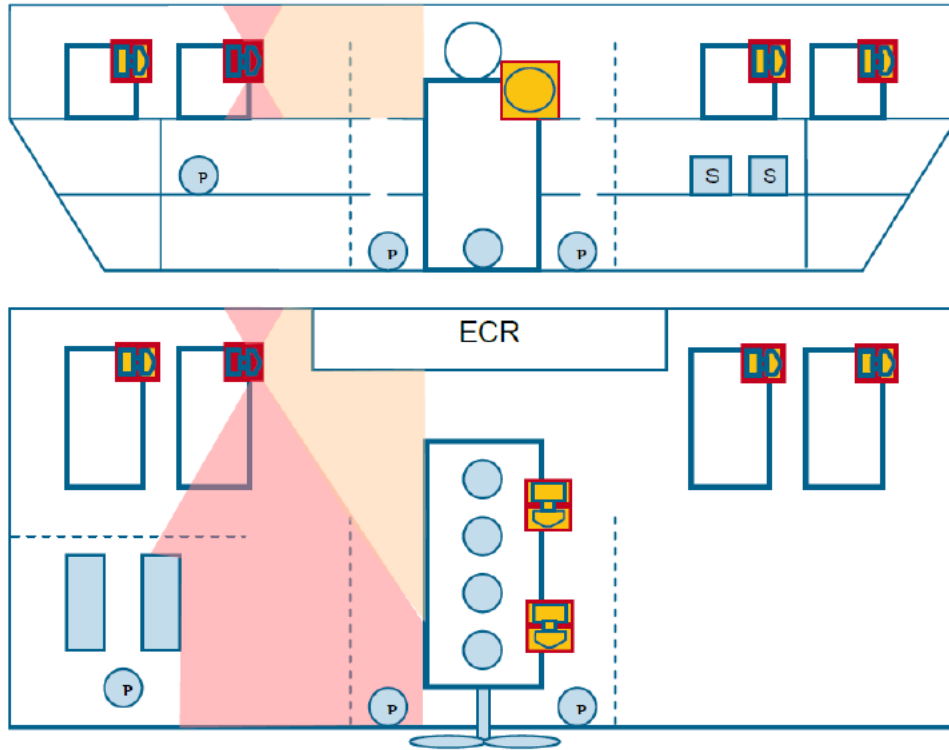
YJT has established long-term T/C overhaul contracts with STX Engine and HSD Engine in Qatar.
Initially set from 2018 to 2023 (for 4 Strokes), the contract was extended to from 2023 to 2028 (for 2 Strokes).

MAN NR Containment Safety Upgrade



- With NR turbochargers, it has been observed that, in rare instances such as a rotor failure, the casings and/or flange connections may not possess adequate strength to endure extreme load situations.
- The combination of ductile casings and a strengthened flange connection between the bearing casing and compressor casing results in the containment safe design.

MAN NR Containment Safety Upgrade



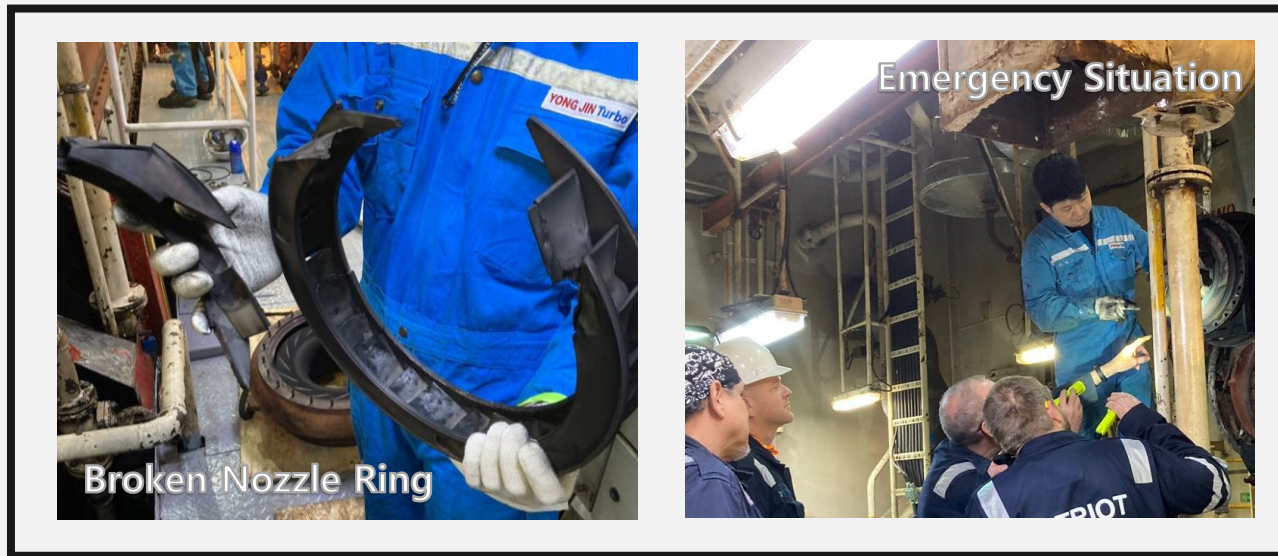
- Following an unfortunate fatal accident in the affected area (as the above pic), MAN provided complimentary upgrades for 3 years, a decade ago, to enhance the safety of NR turbochargers.
- The enhancements, including a nodular cast iron compressor casing and an improved V-clamp connection, have been thoroughly verified for containment safety. (It proceeds with **STX Heavy Industry** license & Certificate)

TROUBLE SHOOTING – Case 1



Prompt Checking All KBB Agents and Local Partners

Engine Surging because of broken Nozzle Ring



Global Network Working,
Delivery Success



- Before cartridge replacement, we discovered the broken nozzle and ETD is coming soon.
- Checked KBB Delivery is more than 16 weeks.
- Despite the tight schedule, we urgently sourced the genuine nozzle ring from a Korean shipowner and managed to supply it in time.

TROUBLE SHOOTING – Case 2



How to solved the problem

Vessel

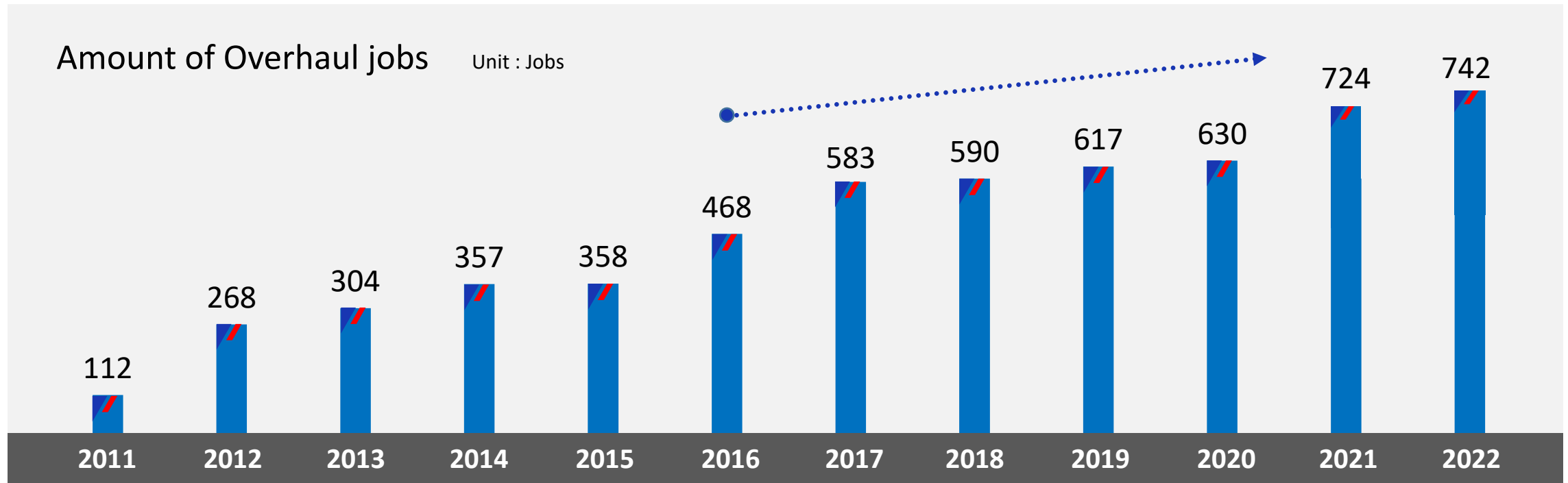


YJT WAREHOUSE



- ✓ Our client asked us to replace the old cartridge(NON-CTM) with a new spare cartridge(NON-CTM)
- ✓ But a new spare cartridge type was CTM type and there was no time replace bearing casing.
- ✓ So we supplied a new cartridge with NON-CTM. This could be done thanks to our long-term inventory system.

TECHNICAL SERVICE REFERENCE



✓ We've experienced a big rise in clients demand after our dedication to turbo-charger overhauls in 2015.

✓ Since 2016, we've started working with clients from overseas such as BSM, Wallem, Columbia and so on

MAJOR EXPERIENCE



NO	CLIENT : DOMESTIC		Overhaul Period	Type	Sets	Location
1		STX MARINE SERVICE	2011 ~ 2022	NR15R, NR20R, NR29S, NR34S, AT14, MET66SD, MET83MA, NA57, NA70, VTR454, VTR564, TCA 66, TCA88, TPL77, TPL85, TCR22	502	Global
2		POS SM	2016 ~ 2022	NR12S, NR34S, RH183, MET66 TCA55, TCA66, TCA88, TCR22, TCR16	245	Korea
3		SINOKOR	2012 ~ 2022	HPR5000, MET53, MET 66, MET83, NA48, NA57, NA70, VTR564, VTR714, NAPIER047, TPL77	220	Korea, China
4		H LINE	2016 ~ 2022	NR15R, HPR3000, TPS48, TCA77 TCA77, VTR714, MET60, MET83	205	Korea
5		HANJIN SM	2012 ~ 2016	MET83, NR15R, TPS48, NA40, TCA55, VTR304, VTR564, VTR714	144	Korea
6		POLARIS SHIPPING	2011 ~ 2022	ST4, RH163, VTR161, VTR201 VTR564, VTR714, NA70, TPS85	150	Korea, China
7		HMM	2019 ~ 2022	ST4, ST5, MET18, MET53, TPS48, TPS52, NR20R, TPL73, TPL77	62	Global
8		SK SHIPPING	2018 ~ 2022	MET60, NA70, TPL80, RH163, TPS48, TPS52	45	Global

MAJOR EXPERIENCE



NO	CLIENT : OVERSEAS	Overhaul Period	Type	Sets	Location
1	 Columbia Ship Management	2016 ~ 2022	TPS48-F33, ST3	115	Korea, Cyprus
2	 Patriot Contract Services	2016 ~ 2022	HPR6000, TCA66, NR20R	81	Korea, Global
3	 Bernhard Schulte Ship Management	(Spare&Service) 2016 ~ 2022	NR20S, TCA66, TCA77, TCR16, HPR3000, HPR4000, ST5	79	China, Singapore
4	 Shell Shipping Fleet (NSQL)	2017 ~ 2022	NR29S, NR34S, NR15R	75	Qatar
5	 Wallem Ship Management	2016 ~ 2022	NR15R, 6S60MC-C, 5L23/30H, LT2156, NR20R, NR24R	72	Korea, Global
6	 APL Maritime Services BVC	2018 ~ 2022	NR12S, NR20R, VTR714, TPL85, MET83, HPR6000, TPS61	68	Korea
7	 Fleet Management Ltd – HKG	2017 ~ 2022	ST3, ST4, TPS48, TPS52 MET71MA	59	Korea, Global

GLOBAL NETWORK

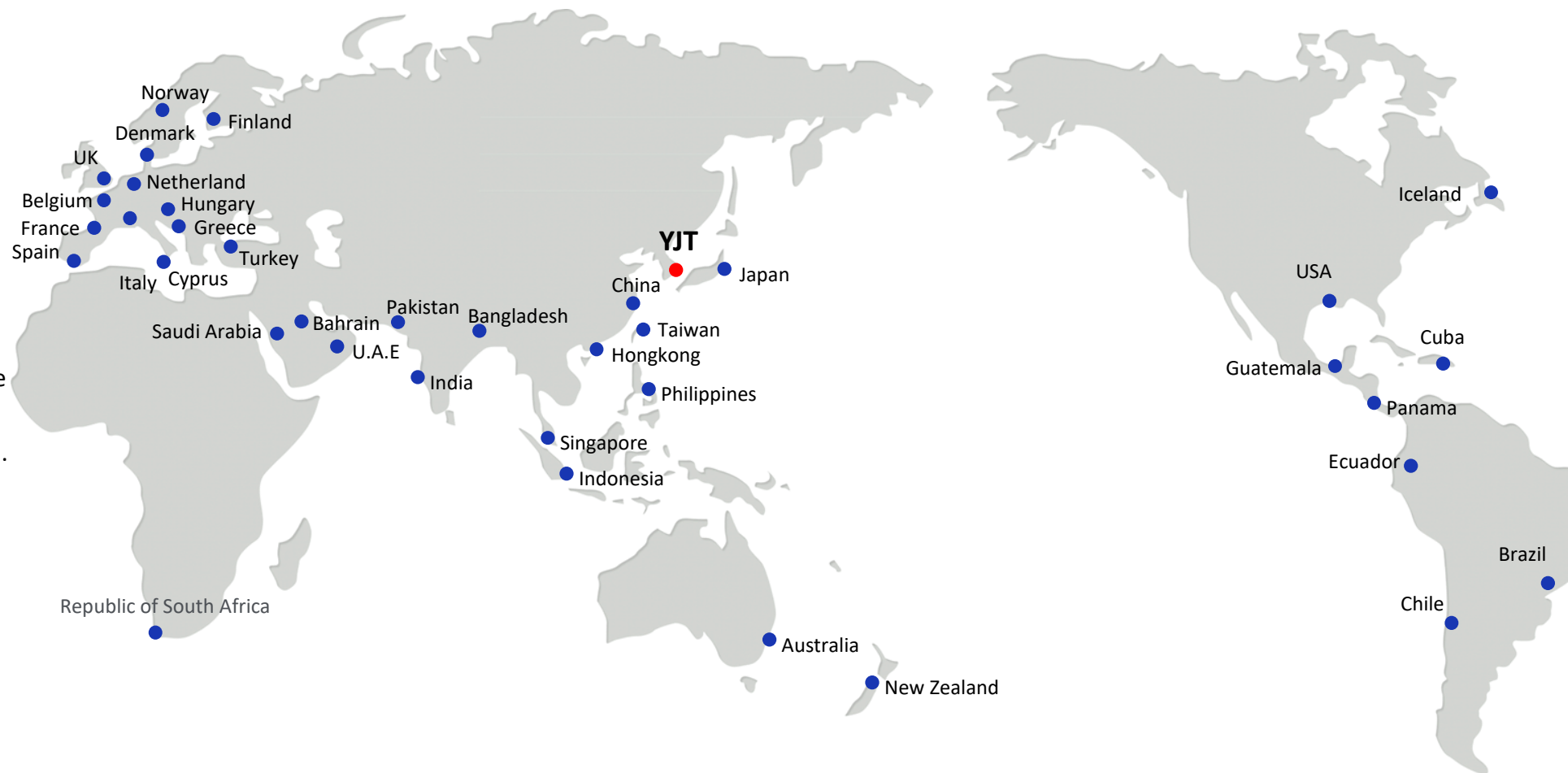


7 DAYS 24 HOURS

48 HOURS

Within a maximum of 48 hours,
our fully trained and certified service
engineers will go with the required
spare parts at any place in the world.

- HEAD OFFICE
- SERVICE POINT



YJT WORKSHOP



Room blast : NEO BLAST / NEO-HP-ROOM-201601



Micro Blasting Machine : WORLD BLAST / WDM-SHO1200-3DS



Ultra Sonic Thickness Gauge : DAKOTA / MX-5

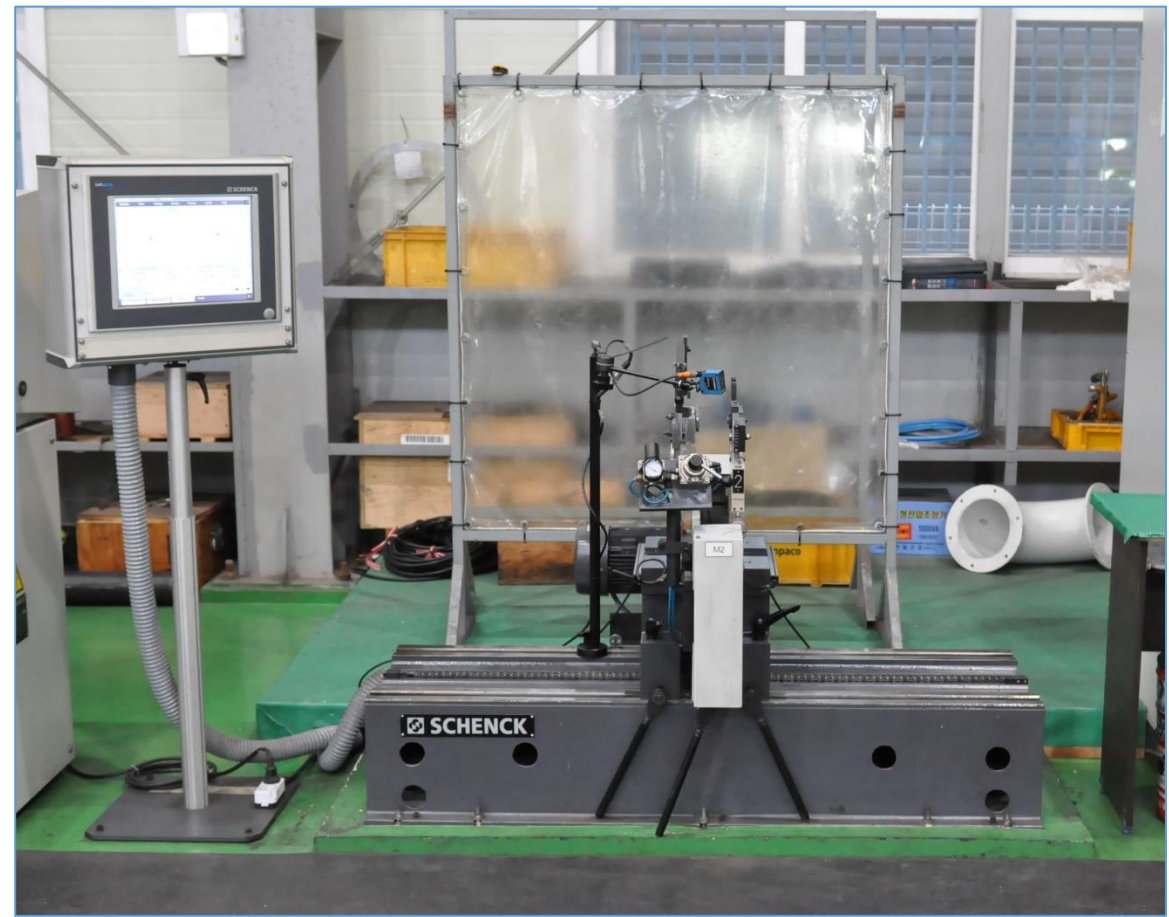


Hardness Tester : SADT / HARTIP3000

YJT WORKSHOP



／ Balancing machine 1 : SCHENCK / TB COMFORT



／ Balancing machine 2 : SCHENCK / HM20BU

YJT WORKSHOP



／ Balancing machine 3 : SCHENCK / HM40BU



／ Balancing machines Internal View

YJT WORKSHOP



YJT Workshop Internal View 1



YJT Workshop Internal View 2

YJT WORKSHOP



YJT Warehouse Cartridges 1



YJT Warehouse Cartridges 2

YJT WORKSHOP



YJT Warehouse Cartridges 3



YJT Warehouse Cartridges 4

YJT WORKSHOP



✓ The way YJT packs products 1



✓ The way YJT packs products 2

YJT WORKSHOP



✓ The way YJT packs products 3



✓ The way YJT packs products 4

YJT WORKSHOP



✓ The way YJT packs products 5



✓ The way YJT packs products 6

YJT WORKSHOP



YJT – KBB Technical Support and Service Training 1



YJT – KBB Technical Support and Service Training 2



YJT / stx / KBB

Thank you

T. +82 (0)51 271 7823 F. +82 (0)51 271 7828 E yjt@yjturbo.com <http://yjturbo.com>
Address: 78, Sinsan-ro, Saha-gu, Busan, Korea (49434)