INTRA

INTRA PRECISION MANUFACTURE CO., LTD
INTRA COMMERCIAL CORPORATION

www.intrapre.com
www.intraspare.co.kr

Technology and quality as much as any third party may have a higher self-esteem.
But, not satisfied with the current for greater customer satisfaction Invitational
will continue to strive to develop new technologies promise.
The best quality, best service, new product development under a management
philosophy that intra. Is committed to innovation.

INTRA



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Company Introduce

INTRA PRECISION MANFACTURE CO LTD (IPM)

Since established in 1998, IPM has manufactured main parts as Cylinder Liner, Cylinder Cover, Piston Crown for ship's engines.
IPM produces various items which cylinder bore 165Ø~600Ø by optimal facilities.
Also IPM cooperates with Hitachi Zosen Fukui Corp. in Japan and supplies various parts for Press machinery.
Especially since extension transfer in 2008, strived to grow into a world-class company by expanding state-of-the-art production facilities and by developing high-quality Engineering workforce.
Most of all concentrating in quality control by strict inspection.
In 2013 IPM proceeded Innovation Campaign and Productivity Movement in order to deliver highest satisfaction.

INTRA COMMERCIAL CORPORATION (ICC)

Since established in 1996, ICC sales various ship's engine spare parts.
As the parent company of Intra Precision Manufacture Co.,Ltd, takes role of Sales & A/S in domestic-foreign market and handle not only self-product but also various parts in each models. ICC engaged exclusive agent with other suppliers and posses huge stock, in order to build up competition.
ICC does its best to support customer convenience by providing total service, including All-in-One system, from enquiry to logistics.
ICC stands by supporting for customers, whenever, wherever, whatever!!!

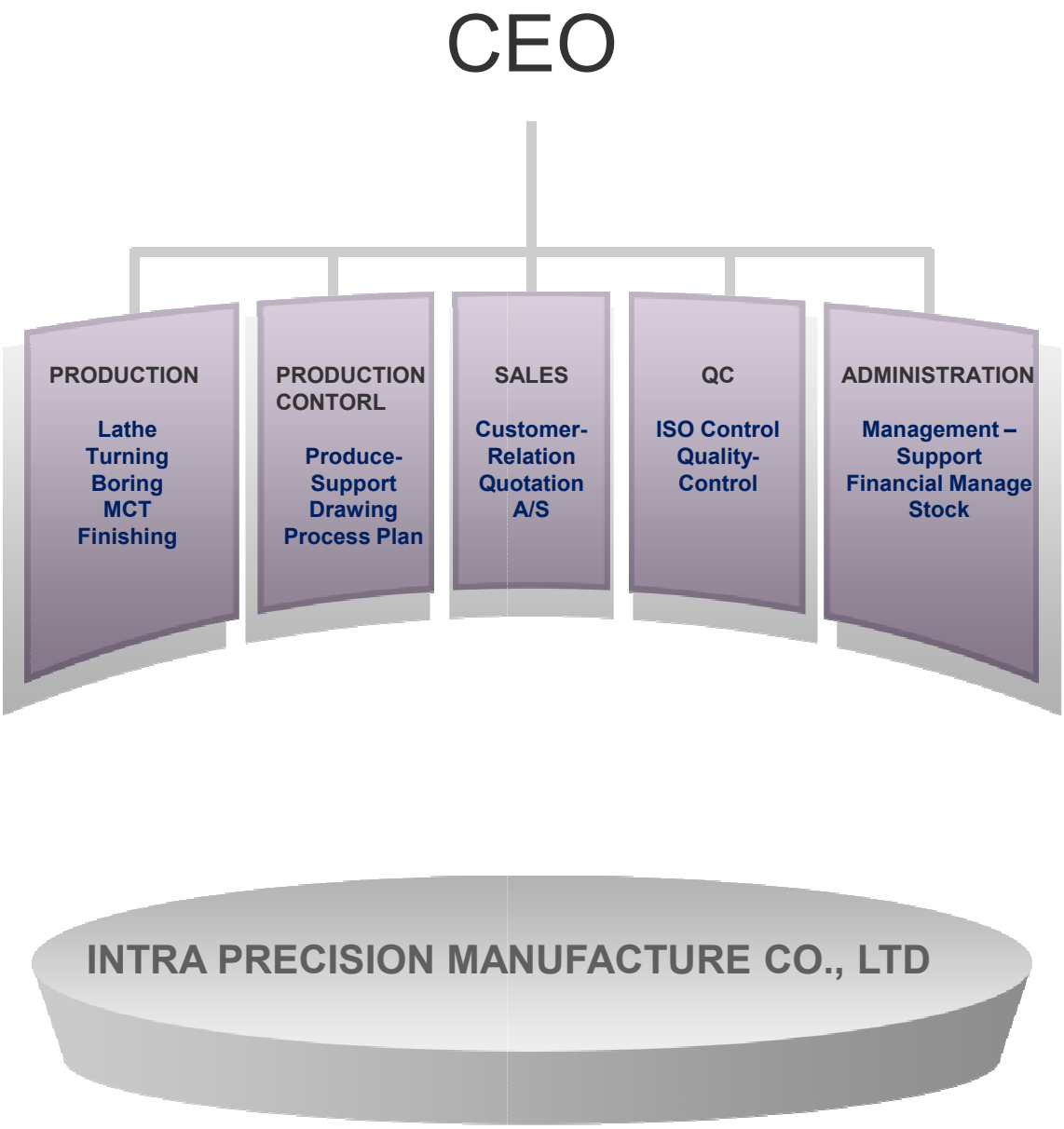
Company Outline

Company Name	Intra Precision Manufacture Co Ltd	Intra Commercial Corporation
Establishment	1998.06	1996.04
CEO	Yong Soo Bae	Yong Soo Bae
Business Field	Precision Machining (casting, forging)	Trading (ship's engine part)
Address	288, Gupyung-dong, Saha-gu, Busan, Korea	304, HwaShin B/D, Choryang3-dong, Dong-gu, Busan, Korea
Tel/ Fax	82-51-4186750 / 82-51-4186751	82-51-4664635 / 82-51-4664636
Web site	www.intrapre.com	www.intraspare.co.kr
E-mail	info@intrapre.com	info@intraspare.co.kr

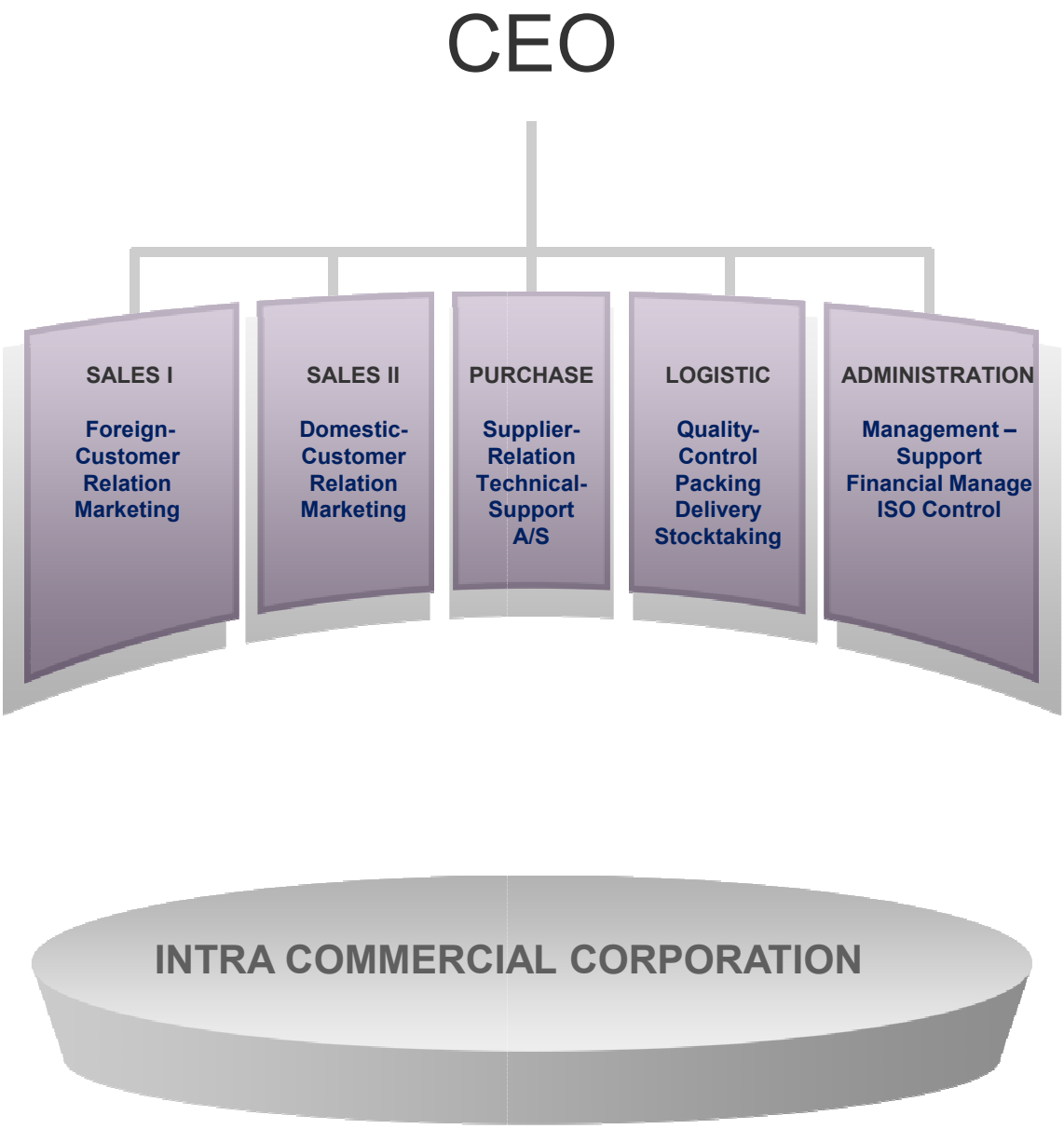
Company History

1996.04	Establishment Intra Commercial Corporation
1998.06	Establishment Gyung-gi Marine Service (EX-Intra Precision Manufacture Co Ltd)
2001.05	ISO 9001-2008 Certificate
2008.08	Change company name to “Intra Precision Manufacture Co Ltd”
2008.09	MAIN-Biz Business Certificate
2010.03	Participate APM, Singapore
2010.06	Participate POSIDONIA, Greece
2010.09	Venture Enterprise Certificate
2011.03	Participate Maritime Vietnam, Vietnam
2011.09	Participate Oil & Gas Indonesia, Indonesia
2011.08	Clean-Workshop Certificate
2011.10	Participate KORMARINE, Korea
2012.02	Register Vendor of H&F
2012.03	Participate APM, Singapore
2012.05	Participate INAMARINE, Indonesia
2012.06	Participate POSIDONIA, Greece
2013.03	Participate INMEX VIETNAM, Vietnam
2013.12	Leading Company Certificate

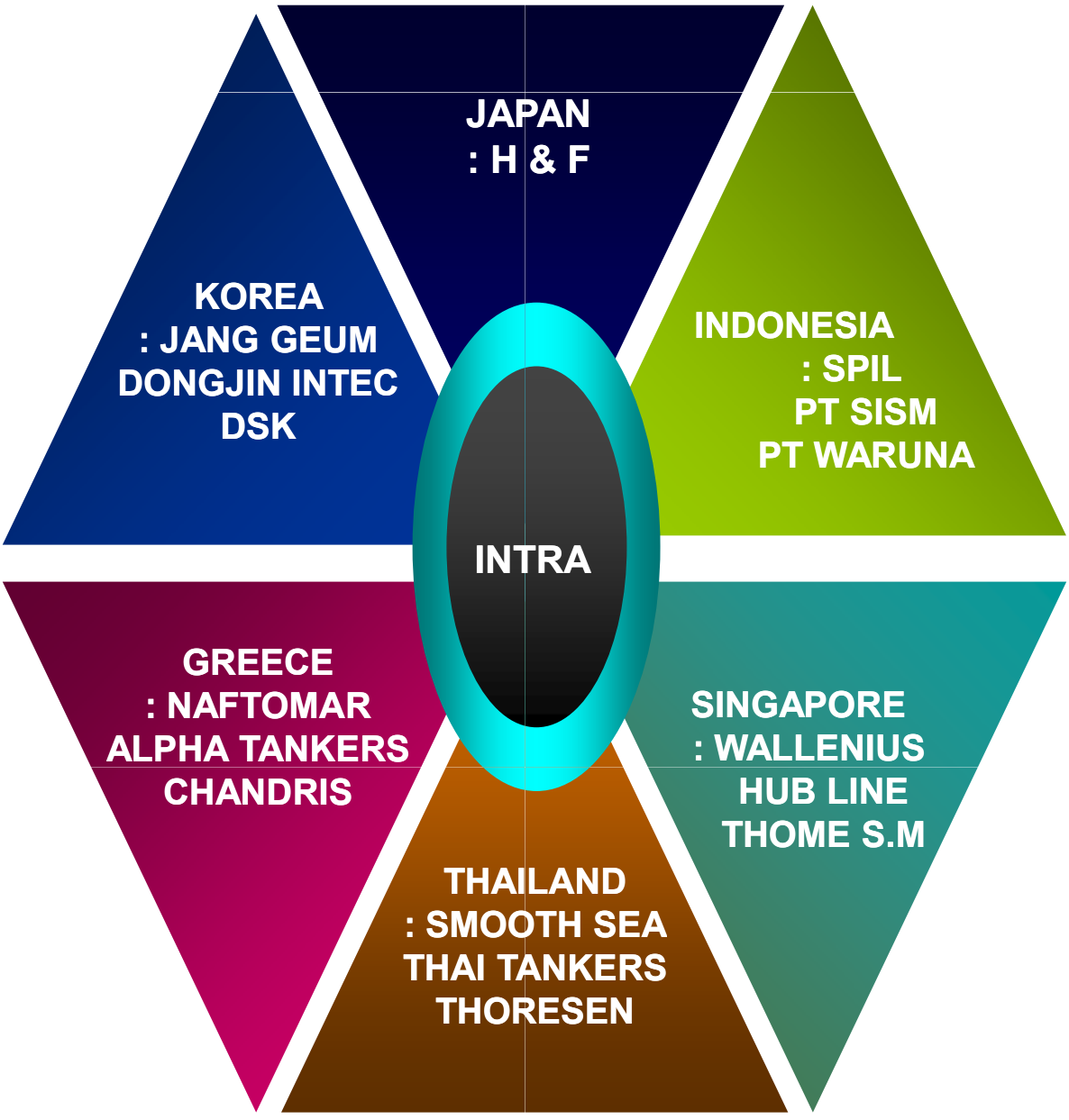
Organization I



Organization II



Main Sales Country

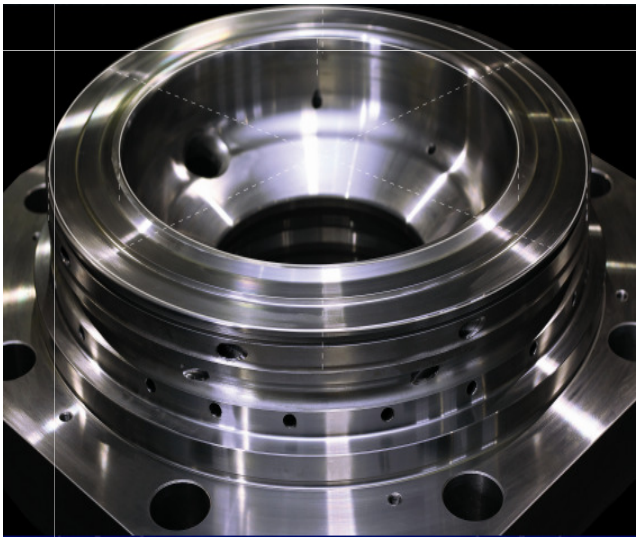


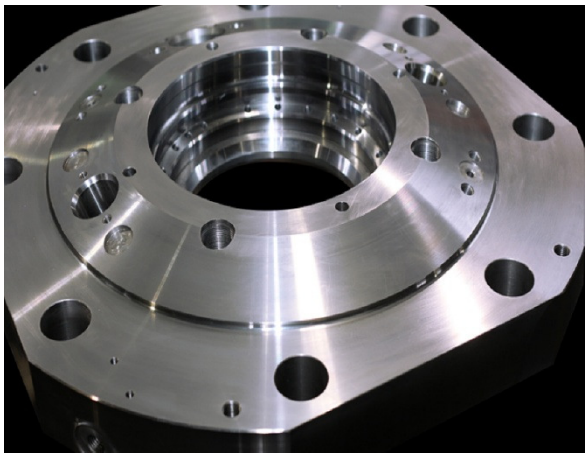
Products Introduce

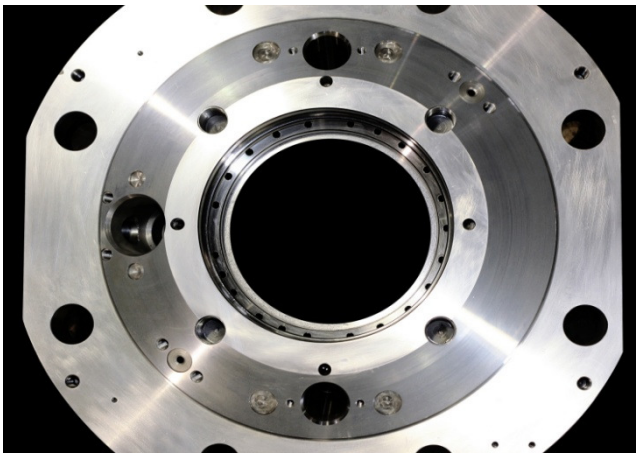
➢CYLINDER COVER

We manufacture Cylinder Cover for ship's engine. (2-stroke & 4-stroke, cylinder bore from 165mm up to 600mm)

Cylinder Cover is one of components for combustion chamber along with Cylinder Liner, Piston.
Exhaust valve, Fuel valve, Starting valve, Safety valve are assembled on Cylinder Cover and contacted in upper side of Cylinder Liner by Elastic studs.
The material is Steel Forging.







Products Introduce

➢PISTON CROWN



We manufacture Piston Crown for ship's engine. (2-stroke, cylinder bore from 280mm up to 600mm)
Piston Crown is one of components for combustion chamber along with Cylinder Liner, Cylinder Cover.
Piston Crown absorbs compression & explosion power and piston rod can be performed up-stroke & down-stroke in the cylinder liner.
The material is Steel Forging.





Products Introduce

➢CYLINDER LINER

We manufacture Cylinder Liner for ship's engine.
(2-stroke & 4-stroke, cylinder bore from 260mm up to 600mm)
Cylinder Liner takes a role path of piston motion during engine pass process of "suction-compression-explosion-exhaust" and making combustion chamber.
The Material is Tarkalloy or FC300.



Main Machinery

SETTING AUTOMATION SYSTEM FOR EFFICIENCY & PRECISION IN EACH PROCESS



> CNC LATHE



> CNC LATHE



> CNC BORING

Main Machinery

SETTING AUTOMATION SYSTEM FOR EFFICIENCY & PRECISION IN EACH PROCESS



> MACHINING CENTER



> CNC TURNING



> 3D MEASUREMENT

Machinery List

- General Purpose Lathe -

NO	Maker	Model	Specifications		
			Swing over bed	Distance between centers	Chuck Size
1	Hankook Machine Tools	HPL	900mm	3,000mm	700mm
2	WIA	NARA6015	600mm	1,500mm	350mm
3	Hankook Machine Tools	PROTEC-18	1,320mm	5,000mm	1,000mm
4	Hankook Machine Tools	HPL	900mm	3,000mm	700mm

- CNC Lathe -

NO	Maker	Model	Specifications		
			Swing over bed	Maximum Length	Chuck Size
1	WIA	SKT400C	780mm	1,200mm	530mm
2	WIA	SKT400C	780mm	1,200mm	530mm
3	Hankook Machine Tools	PROTEC-13N	1,300mm	3,000mm	1,000mm
4	Hwacheon	MEGA-130	1,300mm	3,000mm	1,000mm

- CNC Turning -

NO	Maker	Model	Specifications		
			Swing over bed	Max. Turning Diam. x Length	Chuck Size
1	Tongil H.I.(S&T)	TVL-160C	2,050mm	2,000mm× 900mm	1,590mm

- General Purpose Boring -

NO	Maker	Model	Specifications		
			Spindle Diameter	Table dimension	Max. Load on Table
1	WIA	KB-10A	100mm	1,400mm× 1,200mm	6,000kg
2	WIA	KB-100	100mm	1,400mm× 1,200mm	6,000kg

Machinery List

- CNC Boring -

NO	Maker	Model	Specifications		
			Spindle Diameter	Table dimension	Max. Load on Table
1	Toshiba	BTD-200Q	110mm	1,000mm× 1,000mm	3,000kg
2	Toshiba	BTD-200Q	110mm	1,000mm× 1,000mm	3,000kg

- Machining Center -

NO	Maker	Model	Specifications		
			ATC	Table dimension	Max. Load on Table
1	Daewoo	ACE-H100	60 pcs	1,000mm× 1,000mm	3,000kg
2	WIA	KH63G	40 pcs	630mm× 630mm	1,000kg
3	WIA	KH63G	40 pcs	630mm× 630mm	1,000kg
4	WIA	KH63G	40 pcs	630mm× 630mm	1,000kg

- QC -

NO	Maker	Model	Specifications
1	Mitutoyo	CRT-SD9168	3D measurement
2	Nautech	MY-2	survey material by magnetic (磁粉探傷檢查)
3	Mitutoyo	SJ-210	illumination measurement

- Hoist -

NO	Maker	Model	Specifications		
			Max. weight & L	Wire Rope	
1	Pilot Heavy Industry	PHI-266	5Tx6,800mm	Φ16x2	6x37 (KS 6)
2	Pilot Heavy Industry	PHI-264	5Tx18,100mm	Φ12.5x4	6x37 (KS 6)
3	Pilot Heavy Industry	PHI-264	5Tx18,100mm	Φ12.5x4	6x37 (KS 6)
4	Pilot Heavy Industry	PHI-264	5Tx18,100mm	Φ12.5x4	6x37 (KS 6)
5	Pilot Heavy Industry	PHI-265	2.8Tx5,800mm	Φ12.5x2	6x37 (KS 6)

Hitachi Zosen Fukui Reference

INTRA was registered in Hitachi Zosen Fukui (H&F) as vendor in 2012.01 and supply Protector Cylinder & Plunger Guide which major parts of Press Machinery.

2011.11.18 Visiting factory & investigation of equipment
(by H&F Procurement dept)
2012.02.13 1st trial order (Protector Cylinder 48pcs)
2012.03.28 Prototype QC (by H&F Quality Assurance dept)
2012.05.07 2nd order (Plunger Guide 36pcs)

After that time INTRA supplied various sized Protector Cylinder & Plunger Guide for 18,000kN, 20,000kN, 30,000kN etc and preparing 3rd item Flywheel Support.

Product for H&F



PROTECTOR CYLINDER



PLUNGER GUIDE



PLUNGER GUIDE



FLYWHEEL SUPPORT

Exhibition

APM (Singapore, 2010)




POSIDONIA (Greece,2010)





MARITIME VIETNAM (Vietnam, 2011)




MARINE INDONESIA (Indonesia,2011)





KORMARINE (Korea,2011)




APM (Singapore,2012)




INAMRINE (Indonesia,2012)




POSIDONIA (Greece,2012)

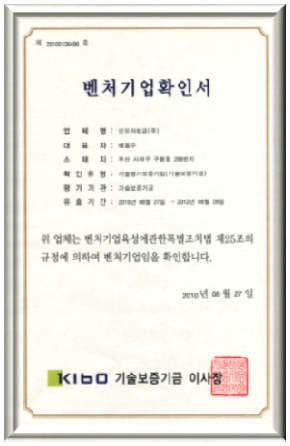



Certificate for Quality System


DET NORSKE VERITAS
MANAGEMENT SYSTEM CERTIFICATE
INTRA COMMERCIAL CORPORATION
Trading of Engine Spare Parts for Ship

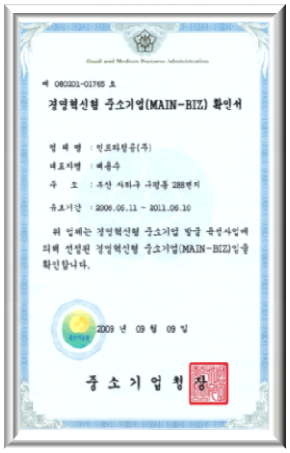

DET NORSKE VERITAS
MANAGEMENT SYSTEM CERTIFICATE
INTRA PRECISION MANUFACTURE CO., LTD.
Design and Manufacture of Engine Parts (Cylinder Cover, Cylinder Liner, Piston Crown, Piston Skirt) for Ship


CERTIFICATE OF APPROVAL
INTRA PRECISION MANUFACTURE CO., LTD
QUALITY MANAGEMENT SYSTEM STANDARDS
KS Q ISO 9001:2000 ISO 9001:2008 EN ISO 9001:2008
SCOPE OF CERTIFICATION
Production, Sales and Repair Services of Engine Parts for Ship (Cylinder Cover, Cylinder Liner, Piston Crown, Piston Skirt)
Korean Register of Shipping


벤처기업확인서
2010년 06월 27일
KIBO 기술보증기금 이사장


부품·소재전문기업확인서
2009.01.29 ~ 2012.01.28
지식경제부장관


생기원-파트너기업 지정서
2010년 12월 31일
한국생산기술연구원
원장 나 경 환


경영혁신형 중소기업(MAIN-BIZ) 확인서
2009 년 09 월 09 일
중 소 기 업 청 장


경영혁신형 중소기업 확인서
2009년 04월 15일
부산·울산지방중소기업청장


CLEAN 사업장 인정서
고용노동부장관
한국산업안전보건공단 이사장

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