





Land Plot CN3.2K, Dinh Vu Industrial Zone, Dong Hai 2 Ward, Hai An Dist., Hai Phong, Vietnam

Tel: +84-31-326-0715~8 Fax: +84-31-326-0719









Introduction

RK ENGINEERING CO.,LTD. was established in Haiphong — the third city in Vietnam — on March 2012 as a maker which can meet plant makers in and out of Vietnam's expectation for high level of production technique, quality control, and cost effectiveness by gathering technical skills of Japan and talented Vietnamese stuff.

On March 2014, we finished constructing one-stop production line to perform from forming Head Plate which is essential parts of pressure vessel to canning, heat treatment by ourselves.

Our heat treatment furnace, exhaust duct, and chimney are designed by ROZAI KOGYO, manufactured by RK ENGINEERING.

LPG tank and supplysystem for furnace is designed and manufactured by Vietnamese stuff of RK ENGINEERING.

With these skills, we are sure that we can supply equipments of various fields and meet customer's expectations.

We will aim to become a trusted maker by Vietnamese and Japanese stuff working together.

3 major reasons why RK ENGINEERING came Dinh Vu I.Z. in Haiphong

1. Regional characteristics

In Vietnam — located between Southeast Asian countries showing remarkable economic growth and China, Haiphong city is located 100km to the east from Hanoi but central city of logistics that has an international trading port.

2. Locational conditions

Dinh Vu I.Z. adjacents to Dinh Vu Port that is international trading port of Haiphong.

It is suitable to carry materials and ship large products by sea. And development and construction of Lach Huyen Port is proceeding rapidly to meet the increasing demand for container transportation.

Except for marin transport, highway is under construction to relieve traffic congestion of Route 5 leading to Hanoi, and Cat Bi Airport that connects middle and southern areas is located 10km away.

3. Skill

There are many factories perform cutting, bending, and welding steel because Haiphong is a port city and shipbuilding industory is flourishing. Therefore it is possible to employ highly skilled workers, and there are many companies to support our job.

ASME certified company

On December 4th 2012, RK ENGINEERING acquired ASME certification that is technical standard for manufacturing of Power Boiler and Pressure Vessel.

We are the first Japanese company in Vietnam to acquire ASME certification for manufacturing Power Boiler and Pressure Vessel, and contribute to manufacture equipments for power, chemical, and food plant in Southeast Asia including Vietnam and China.









ASME Section I ASME Section WII Division 1 Pressure Vessel (U) No.43959 Power Boiler (S) No.43958







per 15-16, 2012) (Document) Final survey for ASME (November 16, 2012) (Factor

ASME: The American Society of Mechanical Engineers

ASME Boiler and Pressure Vessel Code provides safety regulations for design and inspection of pressure vessel and equipment for nuclear power plant.

Quality Control Safety Management

We are trying to improve Quality, Safety, Efficiency, and Communication.





Greeting Campaign

Quality policy

To satisfy customer requirement on Quality, Cost, Delivery and Safety, we make concered efforts

together to take actions to continually improve effectiveness of the

quality management system by clarifying the roles and responsibilities and by improving employee's competence.



1 S + 5 SImprovement activeties

Safety

S1 Seiri (Sorting/Tidiness)

Seiton (Setting in order/Orderliness)

Seiso (Shining/Cleanliness)

S4 Seiketsu (Standardize)

S5 Shitsuke (Sustain/Discipline)



Safety Management

RK ENGINEERING

Dinh Vu Industrial Zone



Equipments























Factory B•C



2 Machining area











Products









■T16(Min12.8)xD2000xEDxSF38



Water tank





Sump Plate

■OD960xID492xt13

SA36

GAC tank for CCBH SA240TP316L ■ID2100x T.L~T.L5813x10t



Expansion A515-60

■Nom.12(min10.5)x ■ID3000xOD3542xH288

Oxygen surge tank for Japan SS400

■ID3000xTL~TL5410xt12

Liquefied gas drainage tank SA240TP304 ■ID2100x TL~TL4614xt6



Oxygen adsover for Japan SS400 ■ID3400xTL~TL1600xt12



MS adsorber SA516-70 (U-STAMP) ■ID2000x



Column SUS316L ■OD1582xID1364 x L3015



Manhole cover for Japan





Impeller SUS316L $\blacksquare \varphi 1410 \times L 1960 \sim 2 pcs$



Duct for dust collector of AL melting

furnace and attached structures



Shelves for metal mold

L P G tank SA516-70 ■ φ2500 x L 7250





N2H2 Receiver tank

SUS304 ■ 1 m³ ~ 2 pcs, 0.5m³ ~ 1 pc

Buffer tank SS400 ■3.4m³



SUS304 ∕ SS400 ■ φ 267.4 x L 2620~16pcs







A516-60



■350A x L533

SUS304

Mixing tank

SUS316L/SS400

 $\blacksquare \varphi$ 1850 x H3100 ~ 1 pc $\blacksquare \varphi$ 1155 x H2000 ~ 1 pc

RT Recuperator for Japan SUS304/SS400

 $\blacksquare \varphi 216.3 \times L 1158 \sim 16 pcs$



Stainless steel tank 11kinds, 17sets



Recuperator SUS304/SS400



Casing SUS316L $\blacksquare \varphi 1860 \times L 1960 \sim 2 pcs$



Separator tank SUS316L ■ φ 2200 × H3900



Separator tank SUS304L

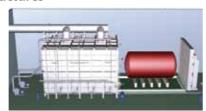
ASME U-Stamp

Convection type car bottom heat treatment furnace

Heat treatment for improving mechanical properties of metal

Heat treatment is essential to conform to standard of steel structures

Heat treatment is essential to improve mechanical properties of mechanical parts and structures by improving strength, elongation, and toughness. We equiped a heat treatment furnace which has one of the largest capacity of size and temperature in Vietnam. It made us possible to perform one stop production of products that require heat treatmentby various standards.





LPG Tank

Forming Head plate

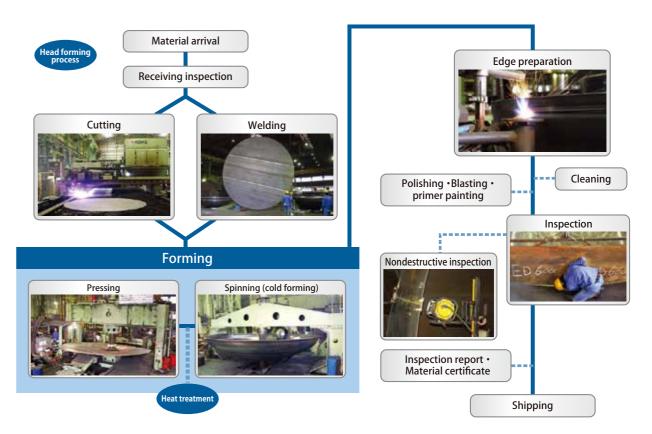
Forming technology of Head plate that is used in various fields.

Head plate is essential for vessel

We deal with various Head plates that is used in chemical, pharmaceutical, and food plant. Besides plant, Head plate is used for boiler, underground strage tank at gas station, tank truck and

In addition, our technology is used for lighted buoy that is necessary for safe voyage. Head forming technology will be continued to contribute to development of industry.





Local subsidiary

Company name	RK ENGINEERING CO.,LTD.			
President	小林 三郎(SABURO KOBAYASHI)(President of NIPPON KYOHAN KOGYO CO.,LTD.)			
The Management	社長(General Director) 土屋 譲(YUZURU TSUCHIYA) (Managing director, Overseas division manager of NIPPON KYOHAN KOGYO CO.,LTD.)			
Address 〈Office • Factory〉	Land Plot CN3.2K, Dinh Vu Industrial Zone,Dong Hai 2 Ward, Hai An Dist., Hai Phong, Vietnam Tel:+84-31-326-0715∼8 Fax:+84-31-326-0719			
Established	April 14, 2011			
Operation started	April 2012			
Paid-up Capital	US\$600,000			
Investment ratio	NIPPON KYOHAN KOGYO CO.,LTD. 100%			
Business	Manufacturing and sale of pressure vessel, head plate, industrial furnace, refractory, burner, etc.			
Site area	15,000 m ²			
Factory area	5,300 m ²			
Employees	65			

Equipment List

(As of March 2014)

Equipment	Description			Quantity
Convection type car bottom heat treatment furnace	Inside dimension (W4000×H4000×L7000) Max.temp. 1050°C Max.weight 30 t			1set
Hydraulic pressing machine	1000 t W6000×Daylight 2500			1set
Hydraulic pressing machine (with manipulator)				1set
Spinning machine	22 t × φ 800~ φ 4000			1set
Special Spinning Machine	14 t × φ 3000×Max.Height 3000			1set
Bending roll	25 t ×W2550			1set
Bending roll	6 t ×W2000 (Min. φ150)			1set
CNC gas/plasma cutting machine	W2500×L6000 Thickness (SS Max. 60mm, CS Max. 120mm)			1set
Lathe	Max. <i>φ</i> 1600, Max.length 3000			3sets
Band saw machine	Thickness Max. 400mm			1set
Milling machine	Table length 800mm			2sets
Radial drilling machine	1210L×640H Max. φ32			2sets
Slotter	Max. φ 100mm			1set
Welding positioner	500kg, 150kg			3sets
Turning rolls	10 t			6sets
Turning rolls	5 t	Towns of the Park		3sets
Gas cutting machine	Max. 60mm 1000 A 350 A			6sets
Plasma cutting machine				1set
Submerged arc welding machine				1set
MAG welding machine				25sets
TIG welding machine	300 A			9sets
TIG welding machine (Small-sized)	200 A			2sets
Arc welding machine	400 A	Convection type car bottom hea	at treatment furnace	3sets
Arc welding machine (Small-sized)	200 A		1.11	5sets
DC arc welding machine	630 A			2sets
Grinder		100		27sets
Beveling machine for Head plate		No.	North	1set
Polishing machine (Automatic)				1set
Polishing machine (Manual)		- FAT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4sets
Hydraulic pressing machine (for straightening)	100 t		A. A.	1set
Compressor	15Hp	Spinning machine	SSM (Special Spinning Machine)	2sets
Pressure pump				4sets
PMI (Positive Material Identification) equipment				1set
Overhead travelling crane	20 t		THE SALE	2sets
Overhead travelling crane	10/5 t	100g		1set
Overhead travelling crane	10 t	10 t		2sets
Overhead travelling crane	5 t		Hydraulic pressing machine	5sets
Jib crane	0.5 t			4sets
Gantry crane at open yard	20 t /5 t	1000ton pressing machine		1set
Forklift	5 t			1set
Welding rod dryer	100kg			1set
Portable welding rod dryer				4sets



ロザイ工業株式会社 ROZAI KOGYO KAISHA,LTD.

会社設立 1947年8月1日 資本金 96,000,000円

代表者 代表取締役 社長執行役員 小林太郎

従業員数 245名

事業内容 工業炉設備・環境設備の設計・製作・施工

燃焼機器の設計・製作、耐火物・機能材料の製造

社 〒550-0015 大阪市西区南堀江1丁目2番14号 電話:06(6534)3611(代表) FAX:06(6531)2043

E-mail:rinfo@rozai.co.jp URL: http://www.rozai.co.jp Established: August 1st, 1947 Paid-up Capital: \96,000,000

The Management: Taro Kobayashi President & CEO

Employees: 245

Business: Design, manufacture, installation of industrial furnace and environmental control system, Design and manufacture of combustion equipment, Manufacture of refractories and functional materials

Head Office: 2-14, 1-chome, Minamihorie, Nishi-ku, Osaka, Japan 550-0015

Phone: (81)6-6534-3611 FAX: (81)6-6531-2043

E-mail: rinfo@rozai.co.jp

URL: http://www.rozai.co.jp



日本鏡板工業株式会社 NIPPON KYOHAN KOGYO CO.,LTD.

会社設立 1965年2月1日

資 本 金 90,000,000円 代表者 代表取締役社長 小林三郎

従業員数 120名

事業内容 各種鏡板・圧力容器・マンホールカバーの製造

金属プレス曲げ加工全般 化工機設備の製造

社 〒555-0012 大阪市西淀川区御幣島6丁目12-22

電話:06(6472)4772(代表) FAX:06(6477)1430 E-mail: info-s@nkweb.co.jp

URL: http://www.nkweb.co.jp

Established: February 1st, 1965 Paid-up Capital : \90,000,000

The Management : Saburo Kobayashi President

Employees: 120

Business: Manufacture of various types of tank head.

pressure vessel and manhole cover, Metal press-bending, Manufacture of chemical engineering machine

Head Office: 12-22, 6-chome, Mitejima,

Nishiyodogawa-ku, Osaka, Japan 555-0012 Phone: (81)6-6472-4772 FAX: (81)6-6477-1430

E-mail: info-s@nkweb.co.ip URL: http://www.nkweb.co.ip



炉盛 (上海) 商貿有限公司 ROZAI (SHANGHAI) TRADING CO.,LTD.

会社設立 2009年4月1日

資本金 100,000,000円

員 董事長 小林太郎

総 経 理 小林二郎

副総経理 東山鴻毅

事業内容 工業炉設備・関連部品・耐火物原料の

中国国内販売と輸出入

エンジニアリングサービス

社 〒200336 上海市長寧区婁山関路85号

東方国際大厦C座1401室

電話: (86)21-62083311 FAX: (86)21-62759858

E-mail: info-rch@rozai.cn URL: http://www.rozai.cn Established: April 1st, 2009 Paid-up Capital: \100,000,000 The Management: Taro Kobayashi Chairman

Jiro Kobayashi President Kouki Higashiyama Vice President

Business: Domestic sale, import & export and engineering service of

industrial furnace, associated components and refractory materials Head Office: Room NO.1401, Orient International Building C,

No.85 Loushanguan Road, Changning District, Shanghai 200336 China

Phone: (86)21-62083311 FAX: (86)21-62759858

E-mail: info-rch@rozai.cn URL: http://www.rozai.cn

炉赛亿(大連)耐火材料有限公司 ROZAI (DALIAN) CERAMICS CO.,LTD.

会社設立 2011年2月25日

資本金 US\$1,000,000

員 董事長 小林太郎

総 経 理 小林洋介 副総経理 金谷雅勝

事業内容 耐火物・機能材料の製造

耐火物製品の中国国内販売・海外輸出販売

耐火物関連の設計・施工

E-mail: info-dalian@rozai.cn

社 大連市開発区得勝街道得勝村工業園1号 電話: (86)411-87214180 FAX: (86)411-87214184 Established: February 25 2011 Paid-up Capital: US\$1,000,000

The Management: Taro Kobayashi Chairman Yosuke Kobayashi President

Business: Manufacture of refractories and functional materials. Domestic sale and export & sale of refractory products, Design and installation of refractories and related products

Masakatsu Kanava Vice President

Head Office: No.1, Industrial Estate, Desheng Village,

Desheng Street, Dalian Development Area, Dalian, P. R. China

Phone: (86)411-87214180 FAX: (86)411-87214184

E-mail: info-dalian@rozai.cn

ROZAI (THAILAND) CO.,LTD.

会社設立 2013年2月20日

資 本 金 2,000,000パーツ

代表者 小林太郎

事業内容 工業炉を主とする産業機械及び耐火物の

販売・技術サービス提供・施工

社 246 Times Square Building 15-03 Sukhumvit Rd., Between Soi 12-14,

Klongtoey, Bangkok 10110 Thailand 電話:(66)83-615-9028 FAX:(66)2-653-0899

E-mail: info-th@rozai.co.th

Established: February 20th, 2013 Paid-up Capital: THB2,000,000 The Management: Taro Kobayashi President

Business : Sales,technical service offer and

construction of the industrial machinery and refractories, mainly involving the industrial furnace.

Head Office: 246 Times Square Building 15-03 Sukhumvit Rd., Between Soi 12-14, Klongtoey, Bangkok 10110 Thailand

Phone: (66)83-615-9028 FAX: (66)2-653-0899 E-mail: info-th@rozai.co.th

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