

Zong Yih Rubber

Company Profile

Company History

- 1978 ZON established
- 1979 First factory – Headquarter – 28,800 sq. ft
- 1990 Increased advanced equipments & test instruments
- 1994 Cooperated with CSIST to develop anti-vibration products
- 1996 Increased more sets of advanced production machines
- 1999 Acquired ISO 9002 certification
- 2000 Cooperated with Taiwan Railway Administration
- 2003 Acquired QS 9000 certification

Company History

2004

Second factory – 30,000 sq. ft.

2009

Acquired ISO 9001:2008 certification

2017

Purchased SDC Automatic Measuring Machine

Purchased new IRHD Measuring Machine

Purchased Non-Compound Wastage Production Machines*2

2018

- ◆ Total Employees: > 150 employees
- ◆ Annual Sales Turnover: Up-to USD 13 Millions in 2018
- ◆ Exportation Markets: > 20 countries in world-wide.
- ◆ Total Production Area: 58,800 sq. ft. approx.
- ◆ 2 production factories + 1 warehouse
- ◆ Acquired IAFT 16949:2016 & ISO 9001:2015 certification
- ◆ Total 53 production machines



SUSTAINABLE DEVELOPMENT

Over the last three decades, ZONG YIH has built a remarkable reputation for its creativity and quality. We believe that our tremendous and continual growth stems from our promise to deliver only high-quality and high-reliability products with affordable pricing. ZONG YIH believes that this is the best way of advancing in global markets.

永續經營

以台灣為基礎，全體員工通力合作經營下，整合創新，建立堅強團隊之核心競爭力，積極拓展業務、不斷提昇競爭力、滿足客戶需求，以期達成國際化永續經營的目標。



Company Organization



President
King Lai

General Manager
Guan Lin Lai



Vice General Manager
Andy Lai

Vice General Manager
Wen Bin Lai



Financial Dept.
Joyce Chiang

R &D Dept.
Syun, Yong-Fu

QA/QC Dept.
Jean Cheng

Production Dept.
Job Liu

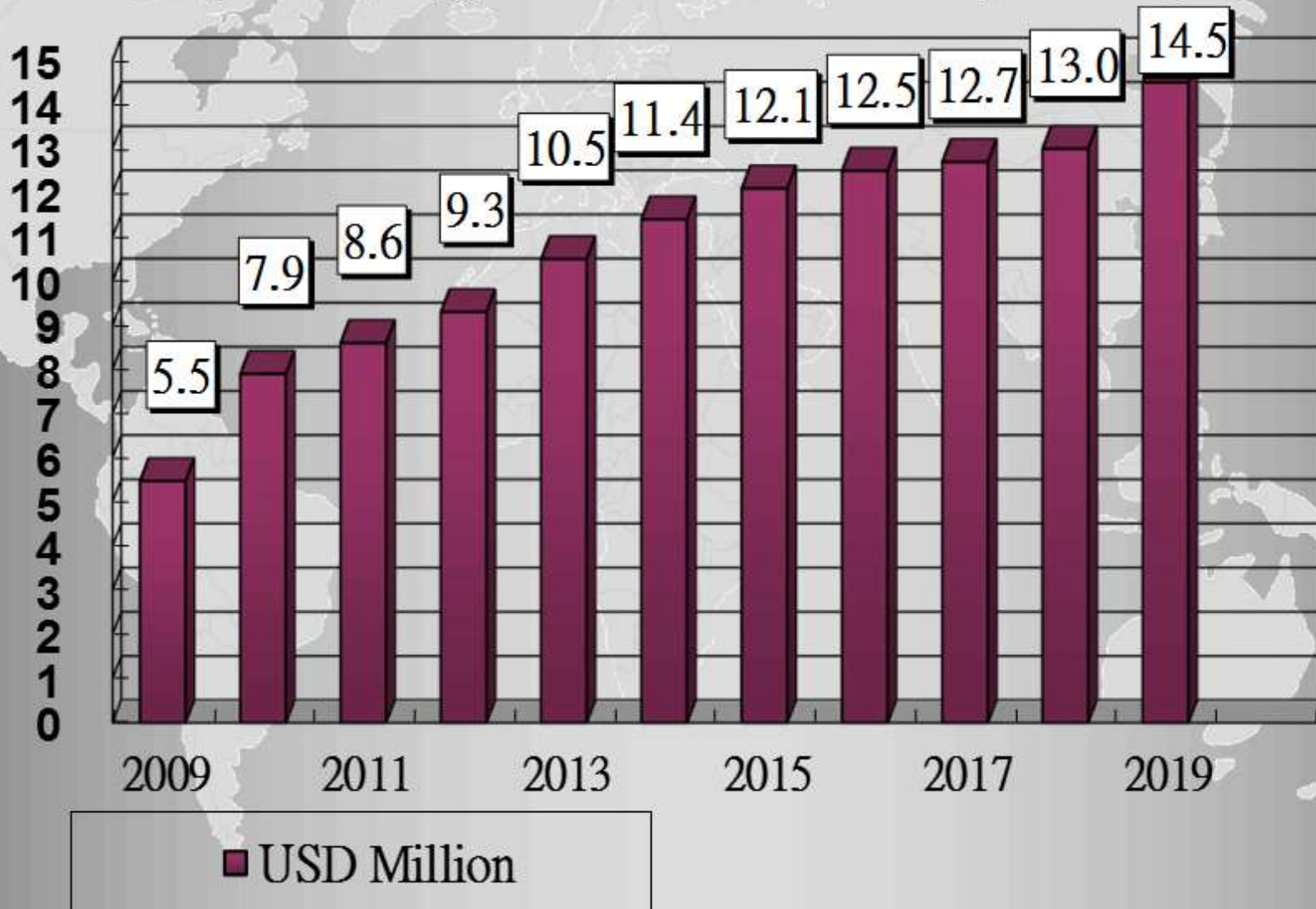
Sales & Marketing Dept.
Andy Lai

Operation Manager
Frank Lai

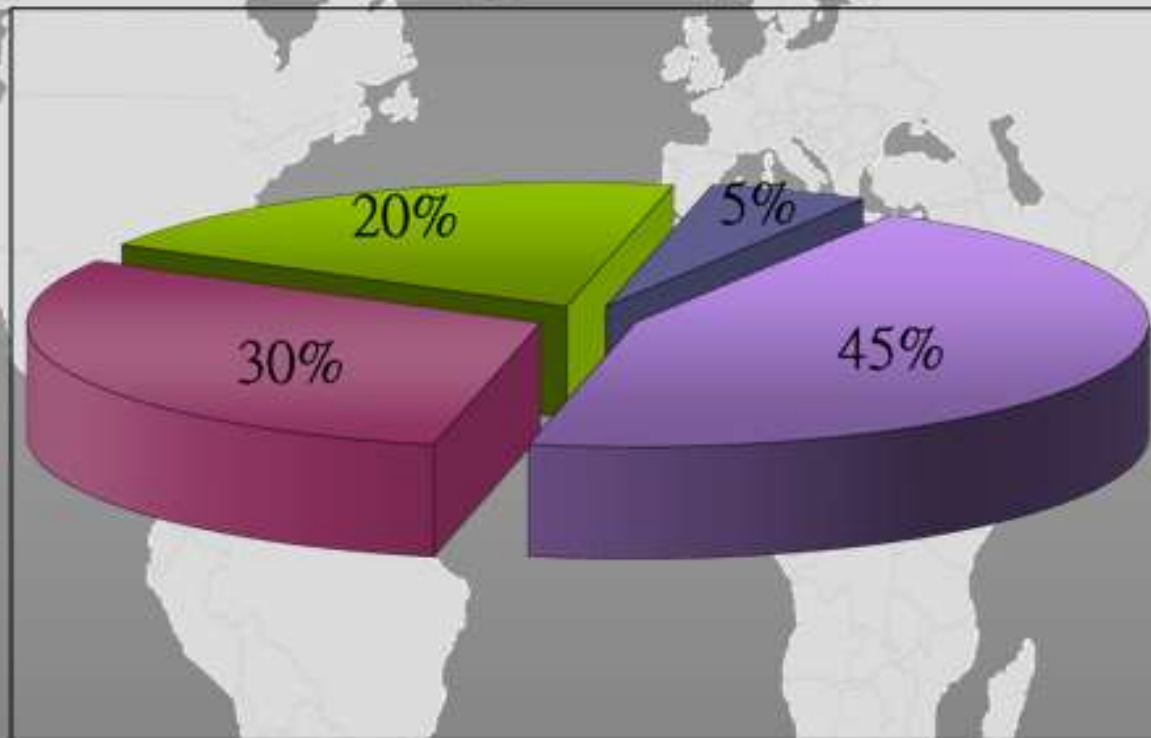


Sales Turnover (2009 up-to 2019)

Annual growth of approx. 10% for business cycle is expected



Sales Areas



- North America
- Asia
- Europe
- Middle East

**Exportation
Market
70%**

:

**Domestic
Market
30%**

Quality Certification – IATF 16949:2016



Certificate of Approval

This is to certify that the Management System of:

Zong Yih Rubber Industrial Co., Ltd. (Site 1)

No. 8, E. 3rd St., Dajia Dist., Taichung City 43770, Taiwan

has been approved by LRQA to the following standards:

IATF 16949:2016
(excluding product design)

Rhett Wang - Area Operations Manager, Greater China

Issued by: Lloyd's Register Inspection Limited Taiwan Branch

for and on behalf of: Lloyd's Register Quality Assurance Limited

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Certification date: 10 January 2019

Expiry date: 9 January 2022

Certificate number: 10165878

IATF Certificate number: 0348132

Approval number(s): IATF 16949 – 00018417-001

The scope of this approval is applicable to:

Manufacture of rubber parts including bushes · packing · gaskets and the other rubber parts.



Certificate of Approval

This is to certify that the Management System of:

Zong Yih Rubber Industrial Co., Ltd. (Site 2)

No. 29, E. 2nd St., Dajia Dist., Taichung City 43770, Taiwan

has been approved by LRQA to the following standards:

IATF 16949:2016
(excluding product design)

Rhett Wang - Area Operations Manager, Greater China

Issued by: Lloyd's Register Inspection Limited Taiwan Branch

for and on behalf of: Lloyd's Register Quality Assurance Limited

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Certification date: 10 January 2019

Expiry date: 9 January 2022

Certificate number: 10165622

IATF Certificate number: 0348139

Approval number(s): IATF 16949 – 00018417-002

The scope of this approval is applicable to:

Manufacture of rubber parts including bushes · packing · gaskets and the other rubber parts.



Quality Certification – ISO 9001:2015



Certificate of Approval

This is to certify that the Management System of:

Zong Yih Rubber Industrial Co., Ltd. (Site 1)

No. 8, E. 3rd St., Dajia Dist., Taichung City 43770, Taiwan

has been approved by LRQA to the following standards:

ISO 9001:2015

Rhett Wang - Area Operations Manager, Greater China

Issued by: Lloyd's Register Inspection Limited Taiwan Branch

for and on behalf of: Lloyd's Register Quality Assurance Limited

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Current issue date: 10 January 2019
Expiry date: 9 January 2022
Certificate identity number: 10165877

Original approval(s):
ISO 9001 – 10 January 2019

Approval number(s): ISO 9001 – 00018417-501

The scope of this approval is applicable to:

Manufacture of rubber parts including bushes · packing · gaskets and the other rubber parts.



Certificate of Approval

This is to certify that the Management System of:

Zong Yih Rubber Industrial Co., Ltd. (Site 2)

No. 29, E. 2nd St., Dajia Dist., Taichung City 43770, Taiwan

has been approved by LRQA to the following standards:

ISO 9001:2015

Rhett Wang - Area Operations Manager, Greater China

Issued by: Lloyd's Register Inspection Limited Taiwan Branch

for and on behalf of: Lloyd's Register Quality Assurance Limited

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Current issue date: 10 January 2019
Expiry date: 9 January 2022
Certificate identity number: 10165621

Original approval(s):
ISO 9001 – 10 January 2019

Approval number(s): ISO 9001 – 00018417-502

The scope of this approval is applicable to:

Manufacture of rubber parts including bushes, packing, gaskets and the other rubber parts.



Adopted Material Resources



The miracles of science™



- ✓ SBR
- ✓ Nitrile (NBR or BUNA-N)
- ✓ Natural Rubber (NR)
- ✓ HNBR
- ✓ Silicones (VMQ)
- ✓ EPDM
- ✓ Viton (FKM)
- ✓ Fluorosilicone
- ✓ ACM / AEM
- ✓ Neoprene (CR)
- ✓ Hyplon (CSM)
- ✓ Urethane (PU)
- ✓ ECO
- ✓ IIR

Material Property Compliance

- FDA
- NSF 61
- WRAS
- KTW
- W270
- UL94

Q/C Conception

PPAP Documents

- ✓ PFMEA
- ✓ ISIR
- ✓ SPC
- ✓ IMDS
- ✓ MTR
- ✓ MSA
- ✓ GAGE R&R
- ✓ Control Plan
- ✓ Process Flow

*Capability
Of
Laboratory*

Capability of Laboratory

- ✓ Carbon Dispersion Analysis
- ✓ Tensile Strength Instrument
- ✓ 2.5D Digital Profile Projector
- ✓ Rheometer Device
- ✓ Density/Specific Gravity Meter
- ✓ Level Instrument



Capability of Laboratory

- ✓ O-zone Resistance
- ✓ Weather Resistance
- ✓ Heat resistance
- ✓ Tear Resistance
- ✓ Fluid Resistance
- ✓ Oil Resistance
- ✓ Low/High Temperature Resistance
- ✓ Compression Test

TEST REPORT

MATERIAL : SE32260H DATE: 2016/11/02
 Press Cure Post Cure
 Sheet: 10 min 170 °C Sheet: 4 hr 200 °C
 Button: min °C Button: hr °C

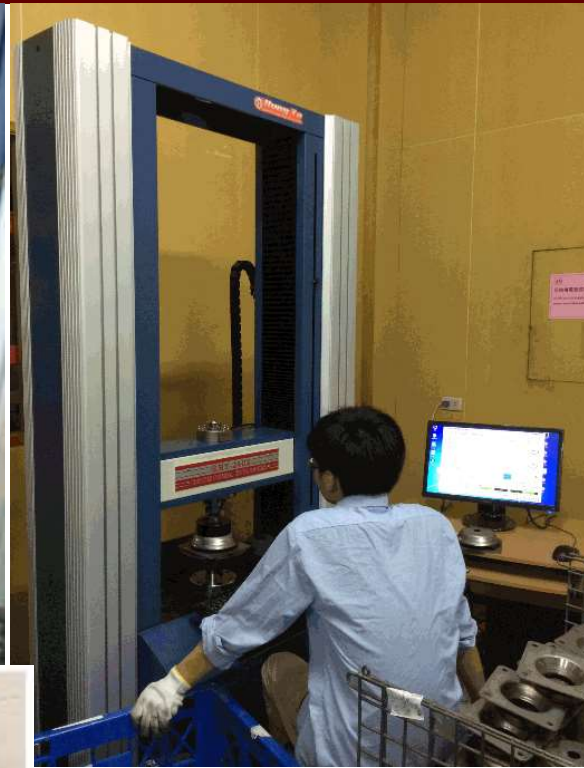
Spec. ASTM D2000 M5GE606EO16

Original Properties:	Spec.	Result
Hardness Type A, ASTM D2240	60±5	61
Tensile strength, ASTM D412, Psi, Min	870	1540
Elongation, ASTM D412, %, Min	200	554
Tear resistance, ASTM D624(Die C/Die B), Kg/cm		22/23
Modulus at 100%, ASTM D412, Psi		235
Modulus at 200%, ASTM D412, Psi		439
Modulus at 300%, ASTM D412, Psi		713
Specific Gravity		1.194

A	Heat resistance, ASTM D573,	200 °C at 70 h	Result
	Hardness Change	Point Max	+4
	Tensile Strength Change	%,Max	-11
	Elongation Change	%,Max	-10
	Volume Change	%	-2.1

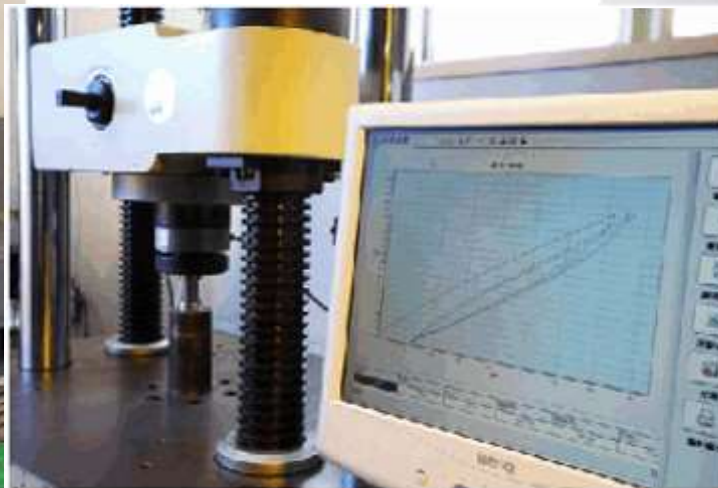


Capability of Laboratory



Torsion Stiffness Test Devices

- ✓ Compression-Deflection
- ✓ Dynamic
- ✓ Multifunctional tensile & stiffness test



*Production
Capability
&
Facilities*

Compound Mixer



Compression Molding Machine (25 sets)

- ✓ 1000T Compression machine 1 set
- ✓ 500T Compression machine 4 sets
- ✓ 350T Compression machine 2 sets
- ✓ 300T Compression machine 14 sets
- ✓ 200T Compression machine 4 sets

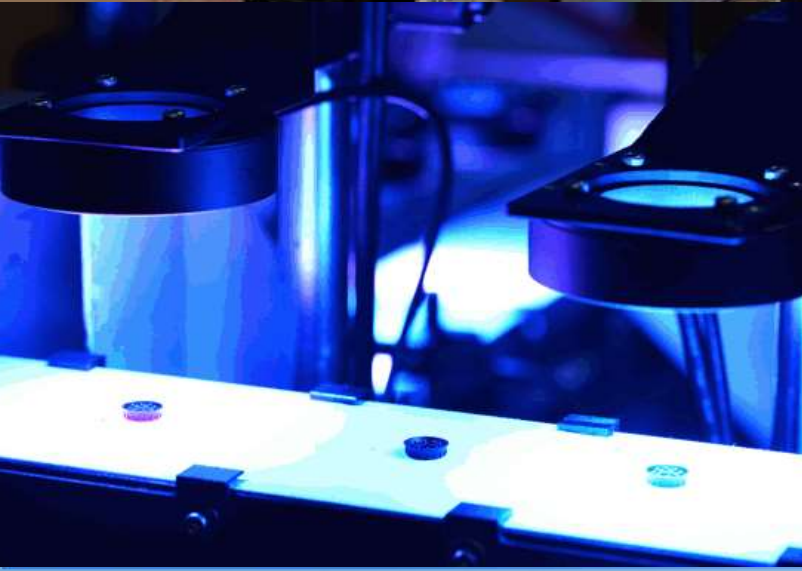


Injection Molding Machine (28 sets)

- ✓ 600T Rubber Injection Machine 2 sets
- ✓ 560T Rubber Injection Machine 1 set
- ✓ 500T Rubber Injection Machine 3 sets
- ✓ 500T Rubber Injection Machine 1 set (10,000cc)
- ✓ 450T Rubber Injection Machine 4 sets
- ✓ 300T Rubber Injection Machine 9 sets
- ✓ 250T Rubber Injection Machine 1 set
- ✓ 200T Rubber Injection Machine 2 sets
- ✓ 200T Silicone Injection Machine 1 sets
- ✓ 300T Silicone Injection Machine 1 set
- ✓ 300T Non-wastage compound injection machine 2 sets
- ✓ 350T Non-wastage compound injection machine 1 set
- ✓ 500T Non-wastage compound injection machine 1 set



Automatic Quality Inspection M/C



Total : **3** inspection machines

- Automatic inspection machine for 100% inspection of parts in dimension and surface control (O-rings, oil seals and irregular shaped parts).

Capability

- Size Limit: 40mm
- 8~10pcs per second
- ID, OD, flash and products overview
- Double surface and overall height inspection

Nitrogen Frozen De-flashing Machine



Cutting Machine

- ✓ Gasket trimming
- ✓ Critical sealing surface trimming
- ✓ To stabilize production capability



Gaskets



Quality Control

High tech inspection tools, magnifying monitor with professional and experienced staffs



Products Category

軌道工業

減避震類



Suspension Systems (懸吊減震)

Bushes (襯套)

We have plentiful experience and expertise in manufacturing numerous and varied railway products to meet rail applications. Our product range includes secondary suspension systems and bushes, bellows, stop buffers, spherical bearings with lugs, sandwich mounts, interleaf mounting, and many more to complete your assembled links.

ZONG YIH are specialists in the manufacture and supply of non-standard rubber-to-metal bonded bushes. We have plentiful experience and excellent quality control to meet customer requirements.



Vibration (減避震)

ZONG YIH has plentiful experience and expertise in solving vibration, noise and shock problems. Our product range includes Hexagon Buffer, Interleaf Buffer, Hemispherical Buffer, Waisted Buffer with either in single or double fixing studs. Buffers can be manufactured in non-standard sizes, and various rubber hardnesses and compounds.

Additionally, we have plentiful experience in manufacturing Custom Engine Mounts, Shear Cap Mounts, Isolators, H Mounts, and Cone Mounts to meet customer specifications. Mounts can be manufactured in non-standard sizes, and various rubber hardnesses and compounds.

Hollow Spring (橡膠彈簧)

ZONG YIH has plentiful experience and expertise in manufacturing Hollow Springs primarily used in solving vibration, noise, and shock problems. Rubber Springs can be manufactured to meet customer specifications in various rubber hardnesses and compounds.



POWER TOOL PRODUCTS

握把、緩衝墊



Grips (握把)



Bumpers (緩衝墊)

ZONG YIH has plentiful experience and expertise in manufacturing Rubber Grips, and Bumpers primarily used for power tools and pneumatic tools. Additionally, we supply numerous varied rubber components to meet customer needs.

AUTOMOTIVE PRODUCTS

汽車零件



Bellows (防護套)

Rubber Bellows and Dust Boots are an essential part of automotive applications and many other industrial systems. ZONG YIH takes pride in its ability to consistently produce precision custom Bellows and Dust Boots to suit each individual application.

Loaded Lip U-Cups
(汽車剎車皮圈皮碗)

Loaded Lip U-Cups are an essential part of automotive applications, piston systems and many other industrial systems. ZONG YIH takes pride in its ability to consistently produce precision U-cups. Additionally, we supply numerous varied rubber components to meet specific requirements, application factors, and operating environments.



TUBE · ADAPTER · DIAPHRAGM

管類、轉接管、膜片



Fluid Oil Hose (橡膠管類)

ZONG YIH has plentiful experience and expertise in manufacturing Custom Hoses and Tubes, Fluids Oil Hose primarily used in carburetor engine systems, fuel management systems, line systems, Industrial vehicles, and many other industries applications. We make the hoses and tubes to meet your specific requirements.

Diaphragm (膜片、吸盤)

Custom Diaphragms can be Flat and Shaped to support various functions such as pumping, controlling, regulating and separating. Diaphragm can be made with a wide range of rubber materials.



SEALING PRODUCTS

密封產品

Seals · Gaskets (密封件、墊片)

Custom Sealing Products are the core strength of ZONG YIH. We have plentiful experience and expertise in manufacturing various types of sealing product and packings that supporting in a wide range of industries use and applications to prevent leakage from air, chemicals, gases, or liquids. We offer engineering support to assist our customers to deliver the highest quality sealing products for their unique applications.



線套、閥類

ZONG YIH has plentiful experience and expertise in manufacturing Custom Rubber Duckbills, Check Valves, One-Way Valves, Flapper Valves, Umbrella Valves that supporting the control systems of the direct fluid, and air flow. According to the individual application factors and operating environments, they can be manufactured in many different rubber materials to meet the application and operating requirements.

Duckbill (壓力閥)



Grommets (線套)

ZONG YIH has plentiful experience and expertise in manufacturing Custom Rubber Grommets and Bushings, and Sleeves. According to the individual application factors and operating environments, they can be manufactured in many different rubber materials to meet the application and operating requirements.

V-ring、蝶閥



V-ring

ZONG YIH has plentiful experience and expertise in manufacturing both standard V-ring, and non-standard V-rings for anything from hydraulics and pneumatics to downstream oil and gas to prevent leakage of air, chemicals, gases, or liquids. According to the static, dynamic, or rotary applications, the V-rings can be manufactured with a wide range of rubber materials and hardness to provide right seal.



Hydraulics Valve Packing (蝶閥)

ZONG YIH has plentiful experience and expertise in manufacturing Butterfly Valve Packings for hydraulics systems.

CUSTOM MOLDED PRODUCTS

客製橡膠件

Idler Drive Wheel (惰輪)

ZONG YIH has plentiful experience and expertise in manufacturing Rubber Intermediate Idler Drive Wheels for conveyor belt drive systems which are common in harvesting applications, construction vehicles, and off-highway equipment.



R/C Tires (模型車胎)

Many of the world's leading R/C manufacturers rely on ZONG YIH's plentiful experience and expertise in manufacturing R/C tires. ZONG YIH also supply numerous varied rubber components to suit particular R/C applications to complete assemblies.



Custom Molded Products are the core strength of the company. ZONG YIH has been in supporting customers in sealing systems, isolation, damping, and many more applications. We offer engineering support to assist our customers to deliver the highest quality custom molded products for their unique application.







Thank you