Corporation History

1998 Establish Wenzhou Trisun Seal Manufacture Co., Ltd.
2002 Establish Shanghai Trisun Mechanical Parts Manufacture Co., Ltd.
2003 Set up Guangzhou Sales Branch
2005 Establish Shanghai Songjiang Plant and equip with the global famous Company
2006 Develop and manufacture the metal bellows and cartridge seals
2007 Set up the global sourcing center, and new plant in Wenzhou on stream
2009 Develop the high technology product — dry gas seals
2010 Manufacture high-quality PPS impellers, and relocate Sales Headquarters to Lujiazui Financial Center
2011 The production ability of Wenzhou plant exceeded 1 million sets per month and Shanghai plant moved to the new building
Production and Development Base

Shanghai Songjiang Plant Square: 30,000㎡ Employee: 50 person

Wenzhou Ouhai Plant Square: 15,000㎡ Employee: 270 person
Sales Distribution

Shanghai Sales Headquarters

Guangzhou Sales Branch

Wenzhou Sales Branch
Trisun Mechanical Parts Manufacture

Sales Ratio

- Auto Cooling Pump Seal (30%)
- Single-spring Seal (25%)
- Air-condition Compressor Seal (10%)
- Metal Bellows and Cartridge Seal (10%)
- Control Valves (5%)
- Impeller (5%)
- Others (15%)
Our Growth

- Turnover $5,000,000, 230 person (2006)
- Turnover $7,000,000, 270 person (2007)
- Turnover $10,000,000, 360 person (2008)
- Turnover $11,000,000, 400 person (2009)
- Turnover $15,000,000, 350 person (2010)
- Estimate Turnover $18,000,000, 350 person (2011)
Company Status

Company Size


Our capacity

Mechanical Seal: 10,000,000 sets per year
Impeller: 2,000,000 pieces per year
Control Valve: 300,000 pieces per year
Metal Bellows: 10,000 sets per year
Cartridge Seal: 5000 sets per year
Thermosiphon Vessel: 5000 sets per year
Certification

ISO 9001: 2000  
ISO/TS 16949: 2009  
ISO 14001: 2004
Production Process
Quality Inspection

- Leakage Detector
- Vacuum Leakage Detector
- Inspection Center
- Hardness measuring
- Flatness Measuring
Quality Inspection

- Compressor Seal Test Bench
- Seal Rotating Life Test Bench
- Runout Detector
- Alternating High and Low Temperature Test Center
- Auto-cooling Pump Seal Test Center
- Compressor Test Bench
Inspection Report

Felt (REACH)
99CE (SGS)
Rubber (CTI)
SUS304 (PONY)
TC Ring (PONY)
Plastic Carbon (ROHS)
Plating Color (ROHS)
R & D

Our R & D team members
PhD: 3 person, Senior engineer: 2 person,
5 years working experience engineer(fluid industry, polymer materials): 6 person

Research & Development
Impeller hydraulic model design of centrifugal pump, mixed-flow pump,
axial flow pump and other special pump
Performance optimization of all types of turbine and pump
Flow field numerical simulation and performance prediction of fluid machinery

Project Achievement
High Specific Speed Mixed-flow Pump’s design & optimization
(National “South-to-North water diversion” project)
Chemical axial pump’s numerical analyze and optimization
(National Natural Science Foundation)
Chemical centrifugal pump’s numerical simulation and performance prediction.
(One domestic famous pump factory’s project)
The Research & develop of the centrifugal pump with inlet guide vane.
(Beijing scientific and technological commission’s energy saving project)
Centrifugal pump’s cavitation performance prediction.
(One domestic famous auto-pump factory’s project)
Dry Gas Seal

The First-class R&D Team
R&D teams have professional Masters and Doctors. Meanwhile, we have close cooperation with famous universities and institutions.

State-of-the-art Technology
Through computer numerical simulation, we obtain the accurate parameters of mechanical and thermodynamic properties, then design outstanding, stable and reliable dry gas seals.

Advanced Processing Techniques
The high-performance laser equipments can process all kinds of dynamic pressure grooves on the surfaces of the different material rings.

Abundant Product Models
The product range covers pump seals; compressor seals and agitator seals. Besides our standard product models, we can also provide special design according to your requirements.
Supplier

Carbon
- SGL GROUP
  - Germany
- Morgan
  - Britain

Rubber
- DAIKIN
  - Japan
- DUPlONT
- DOW Corning
- Japan Zeonex

SIC
- SAINT-GOBAIN
  - France
- Saint-Gobain

PTFE
- Meccanotecnica Umbra
  - Italy

Spring
- GMB
  - Japan

Other
- GPM
  - Germany
- TORAY
  - Japan
- Polyplastics
  - Apan
Company Footprint
Exhibition Information

- Vietnam Show
- Shanghai Gehua Air-condition Show
- Beijing Chemistry Show
- Air-condition Compressor Show
- Shanghai Auto Show
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