

PARJET CO., LTD.

PARJET SEALING SOLUTION

COMPANY PROFILE
AND INTRODUCTION

WWW.PARJET.COM.TW



No. 36, Heye 2nd Rd., Daliu Dist.,
Kaohsiung City 83160, Taiwan

INDUSTRIES SERVED



General Industry



Metal Processing Industry



Steel Industry



Mining Industry



Petrochemical Industry



Farming Machinery



Offshoring Industry



Automotive Industry



Semiconductor Industry



Food Processing
Industry



Wind Power
Generation



Energy Industry



Valve Industry





WJET



Parjet Statistics

Manufactured

10M+

Seals annually

Sold to

2100+

Clients

Exported to

30+

Countries

More than

30+

years of
experience



Parjet Co., Ltd. is an IATF 16949 certified advanced sealing manufacturer that supplies high-performance customized sealing components to FTSE 500 enterprises. Our vision is to help businesses create values, by one seal at a time. It is our mission to supply high-quality seal products with a short delivery lead time for a competitive pricing across the globe.

Manufacturing Capability:

- Isostatic Molding for PTFE tube production
- Compression Molding
- CNC lathe machines (min. 3mm to Max 1500mm)
- High precision rotation sintering
- Various types of spring available
- Spring Micro Welding System



OUR SEALING SOLUTION:



HiPerSeal®

Spring Energized Seals



HiPerLip®

Rotary PTFE Lip Seals with metal casing



HiPerFlon®

Rotary PTFE Lip Seals



PTFE Seals



ParSave®

Bearing isolator

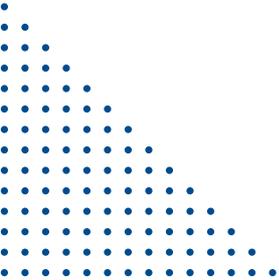


ParSeries®

Mechanical Seals



Parker Hannifin Products



PRODUCTION PROCESS

There are 5 main production stages when manufacturing seals.

1.

**Compound
Mixing**



2.

Pre-forming



3.

**CNC
Machining**



4.

**Secondary
Work**



5.

**Final
Product**



01 COMPOUND MIXING

Filler

PTFE

Powder Filling



Powder Mixing



Final Compound



02 PRE-FORMING

Compound Filling



Compression Molding



OR

Isostatic Molding

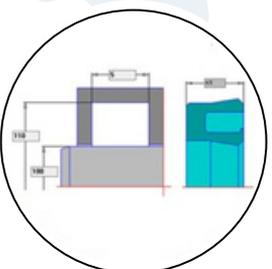


Sintering



03&04 CNC MACHINING & SECONDARY WORK

Programming



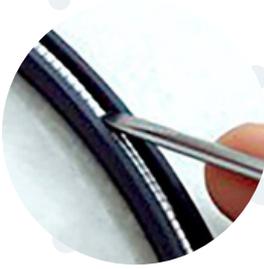
Machining



Spring Welding



Trimming



Trimming



Backup Ring Cutting



OR

RESEARCH AND DEVELOPMENT ABILITY

Filler application
and analysis

Multivariate Applied
Research

Optimizing
manufacturing

Quality Control

Stable
Manufacturing

Failure source
tracking

OUR LABORATORY EQUIPMENT

Thermogravimetric Analysis



Test Items:

- Material Composition
- Material Composition Content Ratio
- Material Cracking Temperature

Differential Scanning Calorimeters



Test Items:

- Material Melting point
- Glass Transition Temperature
- Sintering Degree
- Material Quality

Universal Testing Machine



Test Items:

- Tension
- Compression
- Friction
- Stripping

Fourier-Transform Infrared Spectroscopy



Test Items:

- Characteristic peak comparison
- Database map creation
- Semi-quantitative analysis
- Unknown detection
- Spectral comparison

Dynamic Mechanical Analyzer



Test Items:

- Stress Relaxation
- Creep
- Material Viscoelasticity
- Material glass transition point

Particle Size Distribution



Test Items:

- X10 / X50 / X90 / X99 / VMD
- Particle size and distribution of PTFE powder
- Powder Quality

Multi-Contact Tribological Tester

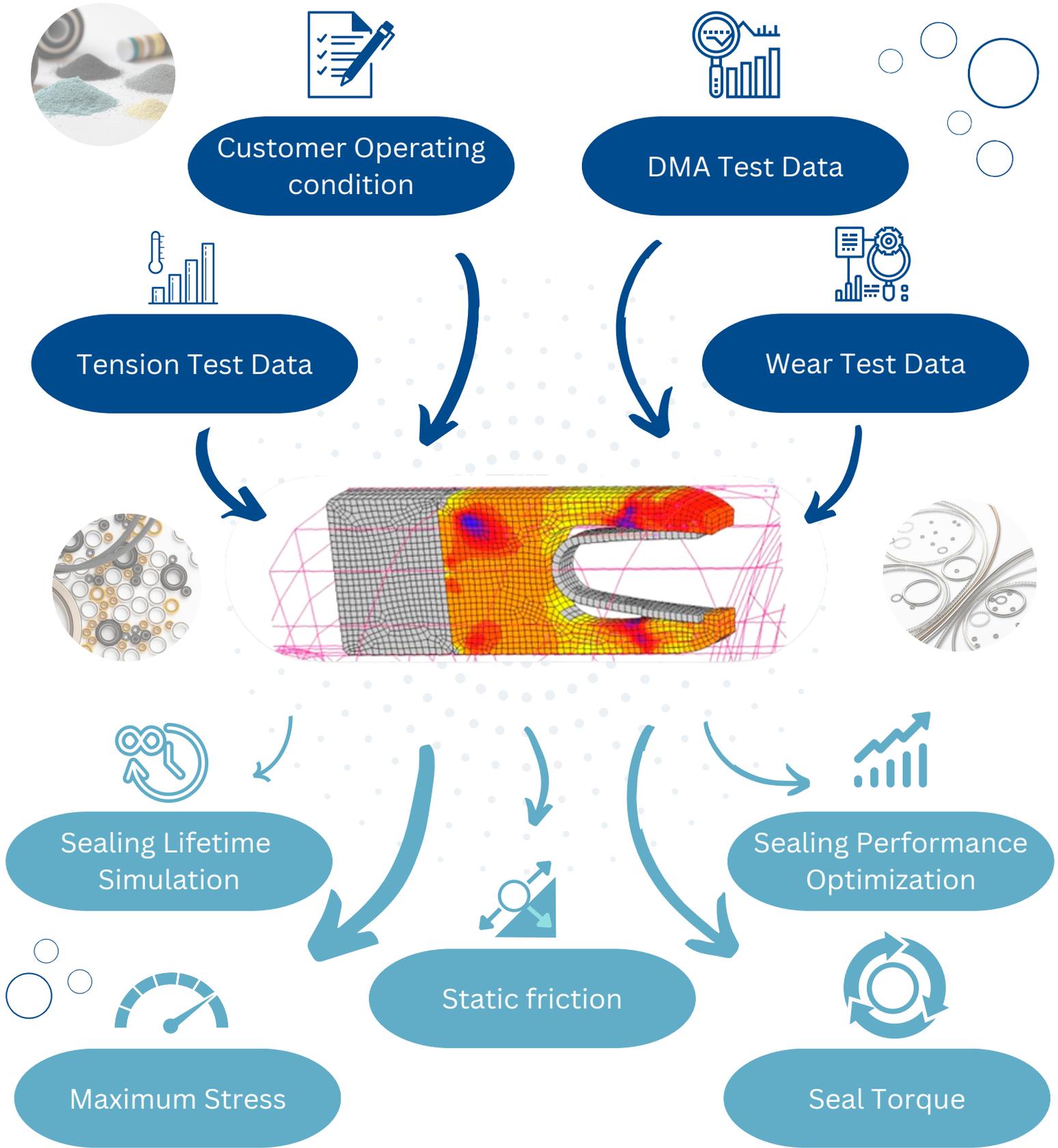


Test Items:

- Static/Dynamic Friction Coefficient
- Friction torque
- Wear factor

FEA ANALYSIS

FEA (Finite Element Analysis) can model how a seal can be affected by different factors in the real world. The factors include temperature, vibration, material, friction, and usage ...etc. FEA has been widely applied for all of our seal designs to ensure that our customers get the best products.



PROFESSIONAL | PASSIONAL | INNOVATIONAL