

Applications:

Seals • Mechanical Seals • Gland Packing

About HOVF Technique:

- Flame Speed: more than 1,800 m/s
- Particle Speed: 400 - 600 m/s
- Coating Porosity: not higher than 1%
- Bonding Strength: upto 70 MPa
- Heat Source: oxygen and ethyne



Introducing YALAN Coating Shaft Sleeves

Ceramic • Silicon Carbide • Tungsten Carbide

Replacing Traditional Chromium Plating and Heat Treatment Processing

Properties:

| Coating Types | Techniques | Materials | Coating Surface Hardness | Bonding Strength | Coating Porosity |
|------------------|----------------------------|---|--------------------------|------------------|------------------|
| Tungsten Carbide | HOVF (Ultrasonic Spraying) | 12CoWC, 10Co4CrWC, 10NiWC | HV0.3 1,100-1,300 | 65-70 MPa | Less than 1% |
| Ceramic | HOVF (Ultrasonic Spraying) | Pure Cr2O3, Compound Cr2O3, Al2O3 | HV0.3 850-950 | 50 MPa | Less than 3% |

Features:

| Coating Types | Features | Applications |
|------------------|--|--|
| Tungsten Carbide | Good Anti-cavitation, High Performance of Abrasive Wear, High Bonding Strength, and Low Coating Porosity. | High Pressure Sealing Conditions, such as High Pressure Pump Plungers, Sluice Valves and Ball Valves. Suitable for Abrasive Wear Conditions. |
| Ceramic | Low Friction Coefficient, High Corrosion Resistance, Bigger Coating Porosity Helps Lubrication with Good Storage of Oil and Water. | Sealing Components for Drinking Water, Beverage, Food, Farmacy, and Chemical Mediums. |

- Member of China Mechanical Seal Industrial Association. China mechanical seal standard maker.
- Established in 1993.
- ISO9001:2015 and ISO14001 Certified.
- Standards followed: JB/T4127.1, JB/T5966, HG/T2269, IS03069, GB6556, HG2098, API682, and etc.
- Serving over 300 medium and large enterprises and clients in over 26 countries all over the world.
- 15,000 square meters production center with fully CNC devices equipped.

SETTING PLATE GROOVE
Determines The Correct
Spring Load & Operating
Position Of The Rotary Assembly

SETTING PLATES
Presets Seal Cartridge
For Ease Of Installation
& Adjustment

O-RING
Seals Retainer To
Equipment Housing
or Adaptor
Face



About Us



Production Center

Mechanical Seals for Pumps Our Clients

Production Facility Mechanical Seals for Kettles



FULLY CUSTOMIZABLE ACCORDING TO
THE ACTUAL OPERATING CONDITIONS
CONTACT US WITH YOUR DETAILED REQUIREMENTS

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