LASERFACE
SEAL FACE TECHNOLOGY
What is LaserFace Seal Face Technology?

- Enhanced seal face lubrication and minimized seal leakage under demanding operating conditions

- Works with high and low viscosity oils, water, chemicals, volatile hydrocarbons, and liquefied natural gases

Breakthrough technology for liquid lubricated seals
Why is LaserFace Different?

Enhanced interface lubrication controls leakage levels, delivering:

• Full seal interface lubrication, even at slow speeds
• Vastly reduced interface friction and wear
• Increased seal reliability and enhanced load bearing capability
• Very low leakage levels, comparable to plain face seals
• Adaptability to existing seal designs
• Bi-directional operation
• Operational benefits in marginal applications, or where cooling flow is limited

For poor lubricating environments, such as: volatile fluids and fluids close to their boiling point
The Benefits
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• Enhanced seal performance and life
  • Extended MTBF
  • Operates reliably up to vapor pressure. No need for additional cooling

• Low leakage levels to meet environmental targets

• Bi-directional design for reliable installation

• Reduced equipment torque and power consumption increases operational efficiency
LaserFace™ - A Unique Technology?

Yes…

… its the only seal face technology that achieves full-face lubrication and extended seal life at low seal leakage levels for almost all mechanical seal applications.
Enhanced seal face lubrication AND reduced seal leakage

The unique features of the LaserFace™ groove structure continually exchange liquid, ensuring a cooler and more reliable interface lubrication - important where liquids are hot oils, or prone to vaporising or oxidising.