GLAND PACKING & STATIC SEAL PRINCIPLES
William G. Search Ltd. value the need for training. On-site courses and toolbox talks support our products in the field. Residential courses offer focused learning away from the daily demands of maintenance and engineering professionals.

EC CERTIFIED COURSES ON:

- Pump Principles
- Mechanical Seal Principles
- Gland Packing
- Static Sealing

ON SITE TRAINING

- All EC Certified Courses
- Seal Installation
- Flange Sealing
- Valve Sealing
- Live Loading
- Toolbox Talks

Gland Packing and Static Sealing Principles

- Identify and describe packing materials and constructions
- Define a Compression Packing and Basic Terminology
- Define Packing Sets, Packing Gland, Stuffing Box and a Lantern Ring
- Butt Joint versus Skive Joint
- Packing Requirements: The pH Scales, Galvanic Corrosion, Inhibitors
- Motions to be Sealed
- Live-loading - Retrofit of Existing Equipment and Benefits
- Flange Live-loading Systems
- Valve Live-loading Systems
- Pump and Rotating Equipment Live-loading
- Fugitive Emissions, Volatile Hazardous Air Pollutants (VHAP)
- Thermal Cycling and Vibration
- Live-loading Components Physical Characteristics
- Flange and Heat Exchangers and Live-loading Sealing
- Bolting and Lubrication
- Flange Face Types Surface Scale and Residual Gasket Material
- Static and Dynamic Valves, Flange Pressure Class Ratings
- Flange Rotation & Hydrostatic End Thrust
- Non-metallic Gasket Styles Non Asbestos Fibres, Graphite & PTFE
- Metallic Carrier Gaskets, Spirals, camprofiles, Steel Traps
- Gasket Testing, Selection and Trouble shooting
- Identify and describe the various mechanical seal types.