

Industries

- Principal to all Ex environments, with direct application in hazardous gas, vapour and dust environments

Entry Quals
Guidance

National Diploma , NVQ Level 3 or equivalent in a technical subject e.g. mechanical, operations, technical services, multiskilled engineering, maintenance

Discipline:

- Mechanical engineering
- Multiskilled engineering

Entry Knowledge - Expected

- Knows the relevant legislative, regulatory, local requirements
- Understands procedures for safe working practice and systems of work in an industrial setting
- Can read and interpret relevant engineering drawings, related specifications, quality standards and equipment manuals
- Understands the hierarchy of responsibilities in relation to reporting and decision-making

Entry Skills - Expected

- Can apply general safe working practices.
- Can accurately measure test components with micrometres, verniers and Dial Test Indicator and record results
- Can disassemble, clean, inspect and repair a range of mechanical components as per manufacturers specifications including rotating equipment such as fan assemblies, gearboxes, pumps and liner elements such as double acting pneumatic cylinders
- Can strip down, check dimensions, replace seals, and rebuild rotating equipment such as centrifugal pumps
- Can dismantle, assemble and hand torque flanged joints, including inspection of flanges, fault reporting, and securing a flanged pipework joint as per a specified drawing and within set tolerances

Job Roles

Aspiring to or operating in

- Mechanical, Electro-Mechanical & Multi-Skilled Craftpersons / Engineers
- Asset / Site Mechanical Maintenance Technician

Entry Experience
Guidance

- 2 + years' experience operating in a site / industrial environment
- Installing, inspecting, testing and/or maintaining Equipment in an industrial setting

Entry Knowledge - Desirable

- Understands the need for and particular methods of achieving safe working practice in Ex environments.
- Has practical, theoretical and technological knowledge and understanding of Ex environments
- Understands the requirements, materials and equipment considerations, in relation to working in Ex environments

Entry Skills - Desirable

- Can safely assemble, install, maintain, test, repair and disassemble mechanical equipment and systems, working safely in Ex environments