

Job Description

Role Title: Mechanical Technician

Location of Role	Office
Department	Mechanical
Reports To	Principal Electronics & Production Engineer
Direct Reports	None
H.E.L Contact	Susan Martin
Date Drafted	Oct 2026

About H.E.L

Our clients are typically multinational companies, universities, and research institutes focused on improving, developing, or scaling up chemical and biosynthesis processes. Most of our products are installed in laboratories or small-scale pilot facilities and typically include reactors at the heart complemented by capabilities such as heating, cooling, and gas and liquid dosing. Our systems operate across a wide range of pressures and temperatures and are fully automated with integrated computer software supplied as part of the equipment.

We operate globally with offices in London – UK (HQ), Princeton – USA, Beijing – China, India and Singapore and field-based staff across our direct regions and trusted partners in distribution territories.

Key Responsibilities of the Role

Primary Purpose

The Mechanical Technician performs daily assembly tasks on behalf of Production Team. All work completed must be of a standard that meets external certification requirements.

The Mechanical Technician is also responsible for ensuring that capital equipment and relevant work areas are maintained in a safe and operable condition.

Key Responsibilities

- Perform Mechanical tasks in the assembly products according to work instructions and general assembly documentation
- Frequent liaison with Project Engineers and the Design team to determine structural elements of H.E.L. equipment to guarantee safe assembly, testing and operation of saleable products.
- Performs calibration of pressure fittings to meet safety and quality standards
- Routine stock management of preventative maintenance spares for workshop capital equipment
- Performs weekly safety checks on workshop equipment
- Performs hydrostatic checks on pressure vessels and documents results in accordance with internal and external procedures

Candidate Requirements

Essential Skills and Experience

- Minimum of 3 years' experience in a mechanically-biased role, with demonstrated exposure to fabrication processes such as cutting, drilling, abrasing, finishing, milling and other machining.
- Technical qualification in a mechanical engineering discipline, either vocational or academic.
- Experience of assembling pressure fittings and joins, tubing manipulation and extrusion use.
- Manually dexterous, able to use tools appropriately to assemble products such as manifolds for fluid and gas flow.
- Computer literate with skills in MS Office Applications such as Excel, Outlook, MS Visio and MS Teams.
- Overseas travel may be required, valid passport essential.
- Fluency in written & spoken English

Desirable Skills and Experience

- Methodical, organised and systematic in approach to tasks
- Able to oversee a programme of events and plan accordingly, whilst ensuring timebound milestones are met.
- Ideally, experience with 3D CAD Packages preferably Autodesk Inventor (Solidworks, or similar is a possibility)
- Understanding of electronics and/or systems engineering an advantage.
- Confident, personable, and assertive in customer-facing settings and interactions with Global H.E.L. Staff, peers and functional heads

Training Provided

- The incumbent is expected to attend frequent 30-60-90 checkpoint meetings on commencement of the role to ensure the 3 month onboarding plan is on track.
 - On completion of successful onboarding, a schedule of regular development conversations is expected to be attended, with additional training requirements to be discussed routinely, where business needs permit.
 - Any other training relevant to the role
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- H.E.L products and processes relevant to the role

Physical Demands of the Role

General (Check all that apply)

Criteria	Amount of Time			
	None	Under 1/3	1/3 - 2/3	Over 2/3
Stand				X
Walk			X	
Sit			X	
Use hands to finger, handle or feel			X	
Reach with hands and arms			X	
Climb or balance			X	
Stoop, kneel, crouch or crawl		X		
Talk or hear				X
Taste or smell	x			