



Department  
for Work &  
Pensions

# KICKSTART SCHEME

Job Placement title

Mechanical Assembly and Testing

## Job Placement summary

We are a startup composed of four engineers and scientists designing and assembling a new type of controlled environment plant growth chamber for plant science research. These plant growth chambers are scientific instruments and used in plant science research and development so are designed and assembled to high standards. We are currently doing small batch production of our Grobot alpha plant growth chambers at our office/workshop. We want someone to take on the responsibility for the assembly and factory acceptance testing of these chambers. We will train you on the job and then will expect you to work independently, with our assistance when you need it.

We want to play our part in making engineering more equitable and reflective of the diversity of our society, and welcome applications from people who feel that they are underrepresented in engineering. We also realise that this statement doesn't go far enough so we encourage you to contact us if you think we could do better or if there is anything that would make this process and job more accessible for you.

The main activities we will expect you to carry out are written below. These are not exhaustive; since we are a small company you may need to take on different responsibilities occasionally.

- Using power tools and hand tools to manufacture our Grobot alpha chambers
- Soldering through-hole components to custom printed circuit boards
- Monitoring stock levels and ordering parts
- Talking with suppliers and manufacturers where parts are defective
- Conducting our factory acceptance tests on the chambers you manufacture to check they meet our high standards
- Reviewing our processes and designs to suggest and work on improvements

Activities which you may need to carry out:

- Visiting customers to service and repair existing chambers
- Designing improvements to our Grobot alpha chambers

We are based in Crookes, Sheffield. Please visit our website [www.groboticsystems.com](http://www.groboticsystems.com) for more details.



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Essential skills, experience  
and qualifications

Above all, we are looking for someone who is focused, motivated, keen to learn and will enjoy working in a small team.

The requirements listed below are separated into 'highly desired' and 'desired'. None of these requirements are essential. We want to make it clear that all applicants will be considered whether they meet the 'highly desired' requirements or not.

#### Highly desired

- Good communication skills
- Experience of basic assembly work
- Experience using power tools and hand tools
- Experience using measuring and testing equipment
- Experience soldering through-hole components
- Experience using adhesives
- Good attention to detail and ability to focus on maintaining high quality.

#### Desired:

- An interest in science, engineering, design, or plants.
- Experience of conducting and recording experiments.
- Able to spot and suggest design improvements.
- Experience using CAD software.
- Able to work independently in a small team with limited resources.
- Enjoys approaching new problems and learning new skills with self-direction.
- A drivers license

Number of hours per week

25 hours/week

Working pattern and  
contracted hours (including  
any shift patterns)

08:30-18:30 Monday-Friday flexible working hours.

Hourly rate of pay

Living wage at £9.50/hour



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## Details of employability support (training opportunities/mentor)

You will receive direct mentorship by Andrew, our Mechanical Engineer who has worked in Engineering for 3 years and is a member of the IET. He will support you with developing the skills above. You will be learning on the job and we will put aside time for you to do this.

As a team we are very flexible so there will be an opportunity to learn from the rest of the team who have experience in software engineering, electronics engineering and plant genetics, if you want to. We are always learning new skills and are keen to support you with seeking professional qualifications or training outside the company if that's what you want. We are also supported by our Director who is a chartered engineer and experienced business developer who will be able to assist you if required.

Company name

Grobotic Systems Limited

Closing date for applications

TBC

Using the table on the next page please provide details for each Job Placement by location.