

PERSON SPECIFICATION

Job Title: Design Engineer

	Essential	Desirable
<b>Education / Qualifications</b>	<ul style="list-style-type: none"><li>• HNC/HND qualified in an appropriate engineering discipline.</li></ul>	<ul style="list-style-type: none"><li>• Further higher-level qualifications in Engineering (e.g. BEng, Level 6).</li></ul>
<b>Specific Skills / knowledge</b>	<ul style="list-style-type: none"><li>• Proven experience in product development and design for manufacture (DFM).</li><li>• Proficiency in 3D CAD systems (SolidWorks or similar).</li><li>• Strong understanding of geometric dimensioning, tolerancing, and materials.</li><li>• Experience with FEA analysis and engineering calculations.</li><li>• Ability to create and maintain Bills of Materials (BOMs).</li><li>• Experience with MRP/ERP systems for part management and revision control.</li><li>• Knowledge of CE/UKCA compliance requirements and preparation of technical files.</li><li>• Experience in prototype build, testing, and validation.</li><li>• Good problem-solving skills and confident decision-making.</li><li>• Strong attention to detail and drive for continuous improvement.</li><li>• Hands-on, practical approach.</li></ul>	<ul style="list-style-type: none"><li>• Experience with hydraulic systems.</li><li>• Experience with electrical systems.</li><li>• Knowledge and application of Lean manufacturing methods.</li></ul>
<b>Interpersonal Skills / communication</b>	<ul style="list-style-type: none"><li>• Effective communicator with internal and external stakeholders.</li><li>• Strong team player with a collaborative mindset.</li><li>• Ability to manage multiple projects and meet deadlines under pressure.</li><li>• Proactive, practical, and hands-on approach to problem-solving.</li><li>• Well-organised and able to work independently.</li><li>• Clear and confident communicator, able to engage with technical and non-technical stakeholders.</li></ul>	<ul style="list-style-type: none"><li>• Experience working in cross-functional project teams.</li></ul>
<b>Any other relevant requirements</b>	<ul style="list-style-type: none"><li>• Commitment to professional development and learning.</li><li>• Flexible and adaptable to support business needs across departments.</li><li>• Valid Full UK driving licence.</li></ul>	<ul style="list-style-type: none"><li>• Passion for the tree care industry.</li></ul>