

Job Specification



1. Position

Position:	CAD Design Engineering Technician
Department:	Engineering

2. Supervisory responsibilities/position in structure

Responsible to:	Engineering and Applications Manager
Responsible for:	None

3. Main function of job (Note: in addition to these functions employees are required to carry out such other duties as may reasonably be required)

To produce mechanical and schematic designs of products and power systems in 3D Solid Works software from customer specifications and taking an active part in internal and external design review meetings.

4. Main duties (brief description)

Duties/Responsibilities
<ol style="list-style-type: none">1. To be conversant with and use the extensive in-house design library where appropriate.2. To work with the project engineer to produce CAD generated drawings of mechanical parts.3. To be conversant with proprietary mechanical parts.4. To be conversant with cost of fabricated parts and liaise with suppliers where appropriate.5. To assist the operations team with mechanical issues.6. To ensure data protection and recovery routines are adhered to.

5. Requirements to carry out job

Essential or desirable requirements
Qualifications/education required:
May have a bachelor's degree, higher national certificate/diploma or BTEC to level 5. Demonstrated capability by experience will also be considered.

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Competencies required:
<p>Good understanding of mechanical building and assembly techniques as they pertain to power engineering.</p> <p>Experience in the mechanical design of power supplies and systems would be a distinct advantage.</p> <p>Knowledge of transformers & transformer rectifiers would be an advantage.</p> <p>In depth knowledge of mechanical and major components used in power supply design.</p> <p>Good problem solving capabilities.</p> <p>Ability to perform in time critical and stressful situations.</p> <p>Computer literate and knowledge of MS Office Suite of programmes.</p> <p>Knowledge of CAD programmes essential and Solid Works 3D would be a distinct advantage.</p> <p>Good communication skills.</p>
Specialist training required:
<p>International Safety Standards</p> <p>The techniques employed in system design, assembly methods and thermal management for high current and/or high voltage power systems</p> <p>In-house training for H & S regulations</p>
Any particular aptitude/skill required:
<p>Comfortable working mainly on a large computer screen</p> <p>Manual dexterity</p>
Personal characteristics required:
<p>Team player</p> <p>Flexible attitude</p> <p>Enjoys variety of tasks in their work</p> <p>Working accurately and to deadlines</p>

6. Special terms

Special conditions, e.g. working with hazardous substances, equipment, PPE:	Use of VDU and work space ergonomics
Working in different locations:	Attending customer visits to provide technical assistance if required.

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7. Salary:

Annual salary - GBP	28,000-30,000
Career level required	
Job type	Permanent
Hours	8.30-17.15 Mon–Thurs, 8.30-16.00 Fridays. One hour's lunch break