Cirrus Laser job description

Position – Cad/Cam Operator - Office	**Division - Programming**
Location – Victoria Road, Burgess Hill	**Supervisor – James Berry-Robinson**

Purpose of the job

Cirrus Laser Ltd are a leading sub-contract Laser and Water jet cutting company based in Burgess Hill, West Sussex.

Flat bed laser, Five axis laser, Water jet, Press Brake and VMC machines are all CNC driven and programmed off-line in the Cad/Cam office. Software packages include Alphacam for geometry generation and programming milling operations and ToPS for programming Trumpf Laser's both 2D and 3D cutting and welding.
Press Brake folding programs are generated in the Amada AP100 software package which includes development of folded parts and 3D simulation of folding sequences and Flow-Cut software is used to produce CNC code for Flow Water Jet.

The company requires an experienced CNC programmer, taking drawings or customer .dxf files and producing code to run the various CNC machines. Training at Trumpf and Amada will be given but candidates must have previous experience of CNC and Cad/Cam systems. The company have ISO 9001 accreditation and MRP systems for scheduling production and candidates will be expected to work within a production team to ensure CNC machines can run continuously and accurately to customer requirements.

Key areas	Weighting
• Prepare Cad file to customer purchase order in Alphacam	10%
• Output Cad file to ToPS, AP100 or Flow-cut packages	10%
• Nest parts and output CNC code to Trumpf laser	25%
• Develop shape and output code to Amada Press Brake	30%
• Nest parts and output code to Flow Water Jet	15%
• Print shop floor drawings and setting sheets	10%

Core Behavioral Competencies	Knowledge/ Experience Required
Good time-keeping Attention to detail Methodical Cope with pressure Consistent	BS 8888 – engineering drawing practices and tolerances Processes of Press Brake folding Water jet cutting, dynamic control Flat-bed laser cutting, 5 axis cutting and welding VMC machining, tooling, feeds and speeds
Skills Required	**Educational/ Qualifications Required**
Technical skills Ability to identify drawing changes Communicate with shop floor operators Accuracy and speed Work ethic	Engineering apprenticeship / college based qualification HNC / practical work knowledge Engineering degree / practical work knowledge

KPA	Tasks
Prepare Cad files	• Ensure source code accuracy • Check dxf geometry in Alphacam • Output dxf files to cutting / folding Cad packages
Use ToPS for Laser processes	• Where appropriate nest parts • Set start points, lead-in / lead-out, correct technology table • Output CNC code • Print data for shop-floor use
Use AP100 for Folding processes	• Generate developed shape • Use 3D simulation to ensure parts can be formed using existing tooling • Design part specific tooling if required / specify purchase of standard tooling if required • Output CNC code • Print data for shop-floor use
Use Alphacam For VMC programming	• Generate shape for machining • Specify purchase of tooling for specific job(s) • Use simulation to check safe areas around clamps • Output CNC code • Print data for shop-floor use