



## CNC PROGRAMMER JOB DESCRIPTION

### Summary

Manage CNC programming in order to contribute to the design and fabrication of high-end indoor climbing gyms. Prepare organizational documents for production, packing, material tracking and project reporting. Assist with the management of each project working closely with applicable team members. Must have proficiency in Rhinoceros 3D.

### Primary and Essential Functions

- Program CNC mills using RhinoCAM;
- Oversee and troubleshoot program execution and quality control;
- Coordinate with Design, Production, and Manufacturing teams to establish the vision and direction of each project;
- Meet daily with Design and Production teams to provide updates on progress towards weekly goals;
- Nest wall panels on stock material to maximize material use and manufacturing efficiency;
- Inspect panels for proper geometrics, layer designations, quantities, and labeling;
- Prepare designs and specifications using computer design software Rhino3D, specifically RhinoCAM and Grasshopper;
- Generate dimensioned drawings and documentation for shop quality control;
- Maintain a high level of organization and clear communication with shop staff;
- Use software to communicate with shop, maintain material inventory, and track job progress and performance data;
- Work closely with team members to manage each project, ensuring deadlines are met;
- Document and create SOPs for CNC and wood production tasks;
- Research and propose new technologies and growth opportunities;
- T-nutting, shipping and miscellaneous shop tasks as needed;
- Maintain a clean and organized work space;
- Other tasks as needed.

### Qualifications

- 2-years CNC programming experience or equivalent education;

- 1-year 3D modeling experience;
- Must be proficient in Rhino3D and have solid RhinoCAM programming abilities;
- Capable of effectively reading blueprints, specifications and manufacturing orders;
- Climbing experience preferred;
- Considerable knowledge of the basic principles of architecture, building construction methods and materials;
- Ability to work independently and with a team while meeting established deadlines.
- Excellent problem solving and critical thinking skills;
- Ability to double check own work for errors;
- Ability to stay focused doing repetitive tasks;
- Proactive, self-starter, able to work autonomously;
- Excellent project management skills;
- Well-developed time management skills with the ability to manage multiple priorities;
- Excellent verbal and written communication skills;
- Must be able to stand for long period of time;
- Must have the ability to frequently twist and bend;

#### **Job Hazards**

- Noise level is typical of that found in a manufacturing environment;
- Subject to atmospheric conditions. One or more of the following conditions that affect the respiratory system: fumes, odors, dust, mists, or poor ventilation.

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