# HARMANDEEP SINGH

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SUMMARY

CNC machinist with experience in various metal-cutting operations, accustomed to working in fast-paced manner, quick learner, highly motivated and dependable.

SKILLS

* Measuring instruments vernier caliper, micrometer, touch-probe, boring gauge, dial indicator, thickness and height gauges.
* Knowledge of basic metallurgy, cutting speed and feed for different materials.
* CAD/CAM software Mastercam.
* Blueprints, geometric dimensioning and tolerances.
* Experience in running machines like DMG-Mori, Bavius, Matsuura, OKK and Mazak.
* Worked with controls like Heidenhain, Siemens, Mazatrol and Fanuc.

WORK EXPERIENCE

**CNC machine operator** (Jun2020-Present)

Saand Inc, Etobicoke

* Machined glass into required shape and size.
* Create programs using icam software.
* Worked on Intermac and bimatech machines.
* Fast-paced work to complete production orders.
* Fix issues related to the quality of machined glass.

**CNC machinist** (Feb 2018 – March2020)

Cyclone Manufacturing Inc, Mississauga, ON

* Set-up and production on CNC milling machines to produce aerospace parts.
* Editing feed and speed, monitor tool condition to ensure good quality.
* Worked on various configurations of 5-axis mill machines including vertical and horizontal milling machines with multiple pallets.
* Inspect parts by confirming dimensions with drawings, checking flatness tolerances, measuring holes with touch-probes and dial indicator.
* Machine first-offs and make changes in work offsets and tools for production.
* Identify problems with the toolpaths and improve on them by communicating the required changes to the programmers.
* Making fixtures and setting up machines for new jobs.
* Adjust mismatch of machined surfaces from different types of toolpaths used for making the part.

**CNC milling machinist** (May2016 – Feb2018)

Quality Machining & Metalworks, Mississauga, ON

* Production and setup for manufacturing gauges, valves and various components.
* Set-up of custom parts in a fast-paced machine shop.
* Performed quality checks of parts within specified tolerances.
* Made CNC machine programs as required.
* Operated CNC machines in a fast-paced environment.
* Machined different types of materials.
* Used measuring instruments like micrometer, vernier caliper, dial indicator.

**CNC operator** (Jan2016)

Magna Precision Technology, Mississauga, ON

* Operated multiple CNC machines to machine top cover of transmission assembly.
* Performed in fast- paced environment to maintain optimal utilization of machines.
* Checked parts with vernier caliper, micrometer, gauge pins and bore gauge.

EDUCATION

Mechanical Engineering Technologist (Jan2015-Apr2016)

**Academics projects**

* Applied design software, Solidworks & Inventor, for designing jigs and fixtures
* Designed and built pneumatic hacksaw by using a plc & pneumatic power and implementing the design to manufacture.
* Created CNC projects with the application of Mastercam and manual programming codes.
* Made a ping pong ball launcher project by creating designs with Solidworks and implementing the designs to manufacture various individual parts.