

THE HONG KONG POLYTECHNIC UNIVERSITY

INDUSTRIAL CENTRE

Post Specification

**Computer Numerical Control (CNC) Machine Operator (several posts) (Ref. 19012111)
[to be appointed at the substantive level of Research Assistant]**

[Appointment period: each for twelve months]

The Aviation Services Research Centre (ASRC) is an industry-led non-profit making organization established by The Hong Kong Polytechnic University (PolyU) in collaboration with the Boeing Company (Boeing), Hong Kong Aircraft Engineering Company Limited (HAECO) and Hong Kong Aero Engine Services Limited (HAESL). It is commissioned to develop new or improved aviation service technologies and processes specializing in Maintenance, Repair and Overhaul (MRO), covering aviation service research, manpower development and business information exchange. Inspired by and inherited from the longstanding history of PolyU in propelling the technological advancements and applied research, the ASRC is destined to raise the industry's standard to new heights. It is currently looking for high-calibre candidates to join the research team.

Duties

The appointees will assist the Project Leader in various projects undertaken by the ASRC. They will be required to:

- (a) be part of a team of CNC machine operators and programmers working in an R&D environment to create and troubleshoot complex toolpaths for 3, 4 and 5 axis machining centres;
- (b) work with the research team to establish world class CNC manufacturing operations for Aerospace customers;
- (c) prepare and setup CNC Machining Centres, including tools, materials, and consumables, as well as ensure the running of machining programs. They should demonstrate themselves to strive for excellence and be able to work independently;
- (d) make use of inspection equipment to measure parts in the process or on completion of manufacturing to drawing requirements;
- (e) recommend measures to improve production methods, equipment performance, and quality of product;
- (f) adhere to the ASRC's Quality, Health, Safety, and Environment Policy (EHQMS), and be proactive in promoting safety practices and identifying problems to achieve and maintain high standards of performance;
- (g) assist the NC Programmers and Project Leader in performing their duties; and
- (h) perform any other duties as assigned by the ASRC's management or its delegates.

Qualifications

Applicants should:

- (a) have an honours degree or an equivalent qualification with at least five years of experience in CNC machine setting and operation;
- (b) have hands-on experience in machining, SIEMENS 840D CNC Control Systems and Electronic Tool Presetters and Tool Balancing Machines, manufacturing of aerostructure or aero engine parts, CAD/CAM packages, other CNC Control Systems, STARRAG Ecospeed F or STC800 machining centres;
- (c) have knowledge of system programming language;
- (d) have solid machining knowledge, understand machine setup and work holding principles;
- (e) be able to read and interpret drawings and specifications for manufacturing requirements and proficient in GD&T;
- (f) have strong mechanical aptitude, and good analytical and problem solving skills;
- (g) possess proficient computer skills and be able to learn new software applications;
- (h) have a good command of both written and spoken English, with strong communication skills; and
- (i) be a good team player with good interpersonal skills.

Applicants are invited to contact Dr Stephen O'Brien at tel no. 2766 7600 or email stephen.obrien@polyu.edu.hk for further information.

Remuneration

A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

21 January 2019