

# JOB DESCRIPTION

Department	Role	Years of Experience	Qualification	Job Description
CNC	Cam programmer	4 to 8	BE/Diploma	<ul style="list-style-type: none"> <li>• Conceptualizes CAM programme operations (for each 3D model) on the software</li> <li>• Selects cutting tools as per the 3D model profiles and maps the tools to each stage in the CAM programme operations on the software</li> <li>• Validates geometry model (3D model) against 2D drawing received from the process design team/client</li> <li>• Assembles part geometry in work holding device (fixture) on the NX 3D virtual machine template in the software</li> <li>• Generates the CAM programme and verifies the same on the software</li> <li>• Supports process engineers in implementing CAM programme for part generation on the CNC machine</li> </ul>
	CNC process engineer	4 to 6	BE/Diploma	<ul style="list-style-type: none"> <li>• Proving the process &amp; proving generated program on CNC machining center.</li> <li>• Conduct Continuous Improvement project for optimization of Manufacturing Cost &amp; Cycle time Requirements.</li> <li>• knowledge &amp; experience of various metal cutting processes like –Milling, Drilling, boring, slitting etc.</li> <li>• Should know the Machining fixture concept, various cutting tools &amp; holders required for above operation. Knowledge of cutting parameters needed for Aluminium alloys is must.</li> <li>• Hands on experience in FANUC control, Part prove out, new tool try-out.</li> <li>• Designing the process for Mass manufacturing, Basic knowledge CNC Programming, Knowledge of Inspection and Quality Processes, GD &amp; T and SPC Knowledge.</li> <li>• Preferred knowledge on capability study (Cp &amp; Cpk).</li> <li>• Basic Knowledge on Data analytics UNIGRAPHICS NX CAD-CAM VERSION12 /1926 / 1953 , VERICUT, AUTOCAD, MS office.</li> </ul>
	Cutting tool application engineer	3 to 5	BE/Diploma	<ul style="list-style-type: none"> <li>• knowledge &amp; experience of various metal cutting processes like –Milling, Drilling, boring, slitting etc</li> <li>• Should know the Machining fixture concept, various cutting tools &amp; holders required for above operation. Knowledge of cutting parameters needed for Aluminum alloys is must.</li> <li>• Basic knowledge of FANUC control, Part prove out, New tool try-out</li> <li>• Basic knowledge on measurements methods, Trimos, CMM, OMM etc</li> </ul>



<b>Assembly</b>	Process engineer - Gluing, Manual	3 to 5	BE/Diploma	<ul style="list-style-type: none"> <li>• Previous experience in dispensing or gluing or manual required</li> <li>• GD&amp;T (geometric dimensioning and tolerancing) knowledge required</li> <li>• FMEA (Failure mode effect analysis) knowledge required</li> <li>• Auto CAD and NX knowledge required</li> <li>• NPI/NPD experience in process flow and process Engineering</li> </ul>
	Product Design Engineer	4 to 8	BE/Diploma	<ul style="list-style-type: none"> <li>• Planning, proposing, and deciding the various stages of product development and its requirements.</li> <li>• UNIGRAPHICS NX CAD-CAM VERSION 12 /1926 / 1953 , AUTOCAD, MS office</li> <li>• Preparation of stage-wise process design of CNC operations..</li> <li>• Working on stack-up tolerance analysis with respect to process and related variables.</li> <li>• Driving cost reduction project – Quality Improvement, Productivity Improvement.</li> </ul>
<b>Design &amp; Analysis</b>	FACA Engineer	3 to 5	BE/Diploma	<ul style="list-style-type: none"> <li>• Structured way of Failure Analysis by analyzing data to nail down the actual root cause.</li> <li>• Initiate FACA based on IPQC/OQC Failures with CFT.</li> <li>• Experience in Data analysis and interpretations.</li> <li>• Plan and execute DoEs in process</li> <li>• Analyze stage Inspection report and performing FACA for yield loss</li> <li>• Knowledge in 7QC tool, JMP software, GD &amp; T, Stackup analysis and CP/CPK trend</li> </ul>
	CAM Programmer	4 to 7	BE/Diploma	<ul style="list-style-type: none"> <li>• Read and interpret blueprints, sketches, drawings, routing instructions, manuals, and specifications.</li> <li>• Determine best methods for setting up and machining a part, Machining parameter optimizations.</li> <li>• Hands on Experience in CNC Machine (VMC) operation (3, 4, 5 axis) - FANUC / Heidenhain / Siemens control.</li> <li>• Use of CAD to create part models and geometry as needed.</li> <li>• Right Cutter selection, Tool path generation and post processing.</li> <li>• Achieve productivity, Quality, Cost and delivery Optimization by effective CAM programming.</li> <li>• Train and Assist operators to read and programming sheet instructions.</li> <li>• Decide 3D Part modeling, Tool selection, Tool path generation, Simulation and post processing using UG NX, for 3, 4, 5 axis CNC Machines."</li> </ul>
<b>Tool Room</b>				



TOOL ROOM	CNC Machine Operators	5 to 7	Diploma	<ul style="list-style-type: none"> <li>Hands-on Experience in CNC Machine operation (3, 4, 5 axis), VMC - FANUC / Siemens / Heidenhain control, Spark EDM, Wire EDM, EDM Drill, CNC surface and Cylindrical Grinding machines.</li> <li>Take primary responsibility and ownership for achieving productivity, Quality, cost and delivery in CNC Machine operations.</li> <li>Train operators on CNC codes, Macros and command instructions.</li> <li>Manage and implement Effective material handling, assisting operators in workpiece setting without compromising safety of man and machines.</li> <li>Assist operators in translating workpieces and Tools between VMC, Spark EDM, EDM Drill and Wire EDM using zero clamping systems through System 3R or suitable fixtures.</li> <li>Train operators to increase operating efficiency, Safety, Quality, Delivery in day to day operations and to read and interpret blueprints, sketches, drawings, routing instructions, manuals and specifications.</li> <li>Ensure 5S implementation and sustenance in the work area.</li> </ul>
	Conventional Machine Operators	5 to 7	Diploma	<ul style="list-style-type: none"> <li>Take primary responsibility for the productivity, Quality, Delivery and cost of conventional machine operations and operator efficiency.</li> <li>Good knowledge in Precision Plastic Insert Injection Mold and fixture elements manufacturing.</li> <li>Production Management.</li> <li>Consumables, Cutting Tools, Tool life and Tooling economics.</li> <li>Hard part machining.</li> <li>Heat treatment process knowledge.</li> <li>Manage Conventional Machine Operators for better results from the machines like Turning, Milling, Drilling, Tapping, Grinding operations.</li> <li>Maintain the cutters and consumables usage within the Target level.</li> <li>Need to ensure proper operation of machines and its accessories.</li> <li>Ensure 5S practices and Safety procedures and Respective PPEs are followed in the work area on a daily basis.</li> </ul>



TOOL ROOM	Process Development Engineer	3 to 5	Diploma in Mechanical / Polymer Engineering / NTTF / CIPET	<ul style="list-style-type: none"> <li>• New mould process development.</li> <li>• Follow Data driven approach for mould proving.</li> <li>• Take Corrective action and follow against dimensional and cosmetic metric achievement. "Preparation of work instruction and SOP.</li> <li>• Implementing the created technical sheet via training activities."</li> <li>• "Providing training to operators to operate and access the programme.</li> <li>• RJG monitoring and analyzing.</li> <li>• Correcting the issues by having discussion with Stakeholders."</li> <li>• "Coordinating in the implementation of Automation at IM process.</li> <li>• Resolving the issue faced during the automation implementation and production."</li> </ul>
	Mold Maintenance	1 to 2	Diploma in Mechanical Engineering / NTTF / CTTD / CIPET.	<ul style="list-style-type: none"> <li>• Mold dismantling and Assembly.</li> <li>• Ensure the mold elements are cleaned and maintain the original dimensions.</li> <li>• Notice the wear and tear (abnormal) of mold elements and rectify.</li> <li>• Update daily work status to Shift Leader."</li> <li>• Mold dismantling and Assembly</li> <li>• Identify the damaged mold elements and replace them as per the defined dimensions.</li> <li>• Update the mold breakdown detail in the mold history card"</li> <li>• Update the daily check sheet</li> <li>• Update the mold history card.</li> <li>• 5S check sheet"</li> </ul>



	Mold Maker/Assembly	3 to 5	Diploma (Mechanical Engineering / NTTF / CTTD / CIPET.)	<ul style="list-style-type: none"> <li>• Mold sub inserts Fitting and Assembly according to the fit &amp; Tolerances.</li> <li>• Report to shift leaders in all aspects of New mold Assembly and Correction.</li> <li>• Update daily work status to Shift Leader.</li> <li>• Able to work and complete the mold within the target date.</li> <li>• Able to Assemble the mold and ensure with New Mold Assembly check points"</li> <li>• Maintain Mold buy-off check sheet and ensure Mold assembly Check points updation.</li> <li>• Maintain Mould history card.</li> <li>• Create a mold log to keep ECN / DCN modification.</li> <li>• Maintain HRS installation report.</li> <li>• Maintain mold steel dimension and hardness report."</li> <li>• Kaizen needs to be identified for Tooling related, 5S related, Safety related in Tooling assembly area.</li> <li>• Every month I need to submit an implemented Kaizen for the Presentation.</li> <li>• All the mould assembly related tools with proper identification to maintain.</li> <li>• Follow 5S systems in the Mould assembly area."</li> </ul>
<b>ANODIZING</b>	NEAT/VI – Process engineer	4 to 9	Diploma/BE/BTech/MS c in Chemical	<ul style="list-style-type: none"> <li>• Execution of trials and NPI process development and stabilization for NE/AT/VI process.</li> <li>• Shift Support in 3 shifts during proto development and all Engineering build.</li> <li>• Ability to drive root cause/corrective action activities, understand and solve issues such as cosmetic defects.</li> <li>• Optimize the process parameters for NE,AT &amp; VI line</li> </ul>
	Ano – Process engineer	5 to 10	Diploma/BE/BTech/MS c in Chemical	<ul style="list-style-type: none"> <li>• Execution of DOE , PQ and process stabilization for Anodizing process.</li> <li>• Shift Support in 3 shifts during NPI and all Engineering build.</li> <li>• Optimize the process parameters in chemical polishing, Anodization &amp; Dye process.</li> <li>• Ability to drive root cause/corrective action activities, understand and solve issues such as Gloss, Color &amp; Thickness Failure,cosmetic defects.</li> </ul>

<b>ANODIZING</b>	Equipment - Electrical / PLC Engineer	5 - 10	Diploma/BE/BTech in EEE, ECE	<p>Lead for preparation of RFQ for Manual and Automatic upgradation in line for process improvement and new development.</p> <p>Electrical expertise for alignment with different vendors in terms of electrical equipment, load distribution, power consumption.</p> <p>Review and monitoring of program parameters for line readiness and regularization.</p> <p>New program development review, Capacity study review and Coordination with CFT for process stabilization.</p>
	Chemical lab - Chemist	3 to 6	B. Tech/ BSc/ MSc - Chemistry/ Chemical Engineering	<p>Analytical knowledge - GC, IC, ICP, AAS, Autotitrator, PSD,Viscometer etc...</p> <p>Active participation and lead CTF for technical alignment for Anodization process and laboratory.</p> <p>Collaboration and Management of the trial performance in laboratory.</p> <p>Installation and Commissioning, procedure development for Analytical instruments.</p> <p>Maintaining and Monitoring the continuous GDP and GLP protocols</p>