

# Engineer: Machining

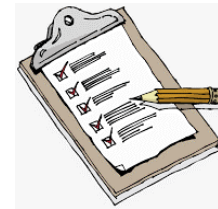
## Career Steps for an Engineering Operative (Mechanical Manufacture)



Workshop Manager



Foreperson



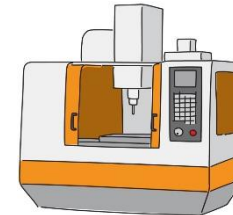
Quality Control



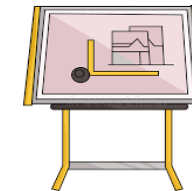
CNC Programmer



Machinist



CNC Operator



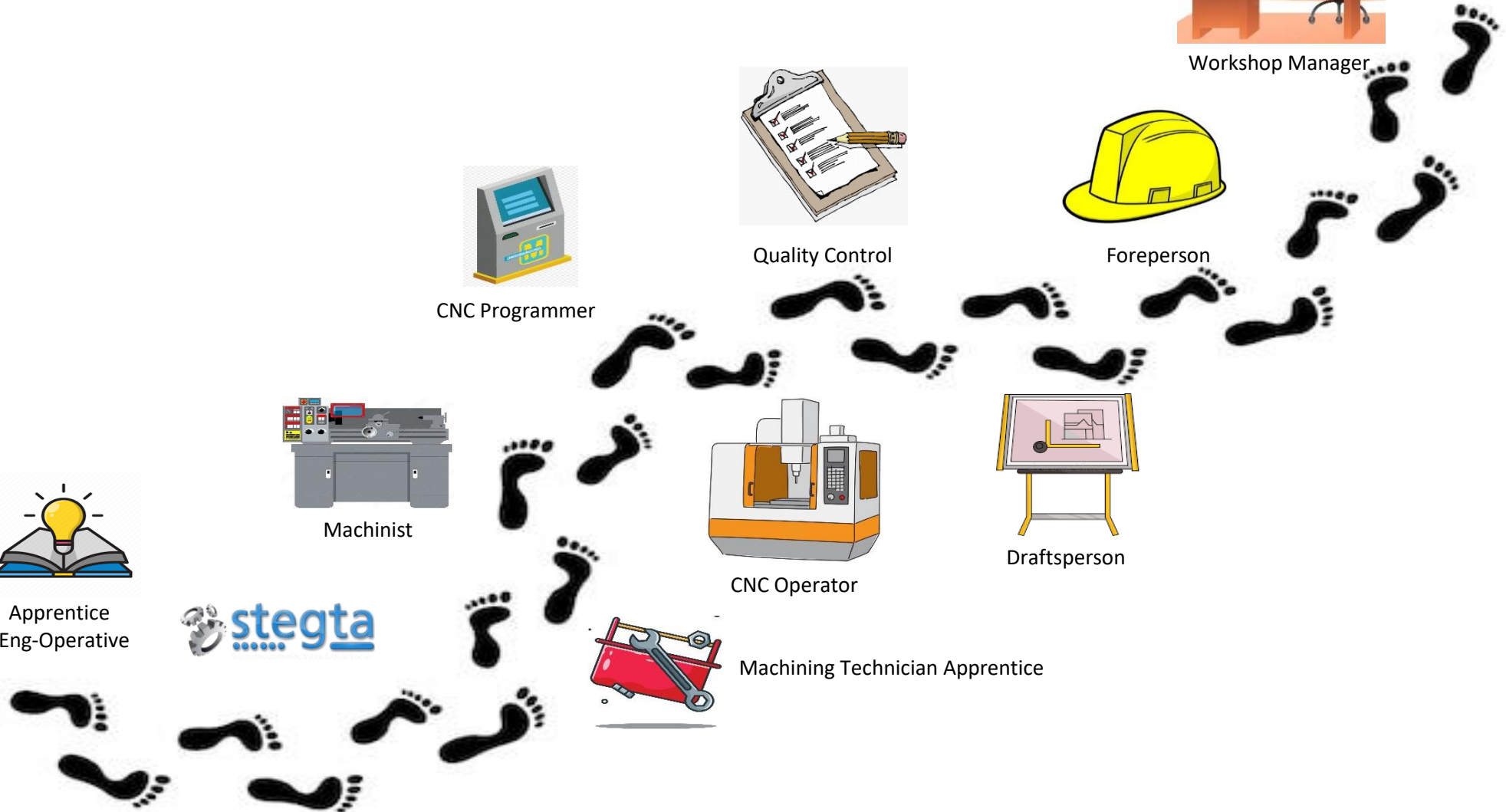
Draftsperson



Apprentice  
Eng-Operative



Machining Technician Apprentice





### **Apprentice Engineering Operative**

Today you are starting off on your Career as an Engineering Operative, and if all goes to plan it will roughly take around two years in which time you will learn practical “Competence” skills within Stegta’s workshops and learner theoretical “Knowledge” skills within Stegta’s classrooms.



### **Machining Technician Apprentice**

Amalia started off as an Engineering Operative, but after a visit from one of Stegta’s Training Officers, to Amalia’s company, it was found Amalia met all the criteria to advance onto the new look level 3 “Machining Technician” Apprenticeship. Amalia’s manager had commented just how far Amalia’s machining skills had developed since starting work.



### **Conventional Machinist**

Tony passed his Apprenticeship over 25 years ago, and even though he had been offered training several times to progress into CNC programming/operating Tony says he is more than happy with conventional machining as he has a “feel” for it.



### **CNC Operator**

Harry is a competent Conventional Machinist, but unlike Tony he took up the offer of extra training and by attending a local College increased his skill set to operate and set CNC machines. Harry is now so competent, he can operate up to three machines at a time.



### **CNC programmer**

Sally followed in Harry's footsteps but it became apparent very quickly that Sally preferred to write programmes rather than operated the machines the programmes are set to run. Sally receives her drawings from Martha and from there is tasked with calculating the most efficient way of manufacture ensuring all components are approved by Kieran In Quality Control.



### **Quality Control**

This is Kieran who after undertaking his Engineering Operative Apprenticeship undertook another Apprenticeship in Technical Support eventually working his way into becoming one of the company's junior, then Chief Inspector. Kieran examines components manufactured by both Harry and Tony (amongst others) to ensure they meet the specifications laid out by Martha in the engineering drawings.



### **Draftsperson**

Martha undertook her Engineering Operative Apprenticeship and progressed onto a Machinist Apprenticeship but instead of following the CNC operating and programming pathway, enrolled at her local College on an HNC programme, and studied to become a Draftsperson. Martha now designs all the products her company makes, but states that without undertaking an Apprenticeship she would not know the limitations of the machines the products will eventually be manufactured on.



### **Foreperson**

Jessica also undertook a Machinist Apprenticeship, after undertaking an Engineering Operative Apprenticeship, and has become one of the longest serving employees within the company. Jessica can operate both Conventional and CNC machines, which stood her in good stead when she applied for the Foreperson's job role. As a Foreperson Jessica assigns work to the relevant employee's, the machinery that is to carry out the work and always ensures there is a constant supply of consumables and raw materials.



### **Workshop Manager**

Kai also undertook a Level 2 Mechanical Apprenticeship, but this was over 30 years ago. Since then Kai has had a succession of jobs before applying and gaining the role as the companies “Assistant supervisor”. This role came with the understanding that Kai would have to take the level 3 “Team Leader or Supervisor” Apprenticeship which he began at the age of 49, and was completed the year later. Kai spent five years in this job role before applying for the “Workshop Managers” job which he was fortunate enough to gain. Kai says he was thankful that he undertook the Level 2 Apprenticeship as it has given him a great understanding of the manufacturing processes that are used to make the components in his organisation.



**Stegta** is the place where it all begins. A recognised Apprenticeship from a National provider is only the first step to where your Career take you.