

Name:

Sami Sivonen

Job title:

NC-machinist at Abloy Ltd

Career:

After secondary school I did the basic degree in machining and metal, specializing in machining. Currently working at Abloy using and maintaining NC-lathes.

Responsibilities:

Create and adjust the programmes to be efficiently used, inspect ready sets, and maintain the working station. Training sessions abroad because the machines are not domestic. Because we work in three shifts, it is essential to communicate well and cooperate between shifts. Creating new programmes requires problem-solving, precision, and perseverance as the poorly functioning machines may cause serious damage and creating new programmes may be time consuming.

Essential skills in my Job:

- Teamworking
- Ability to understand three-dimensionally
- Language skills
- Problem-solving skills
- Precision and perseverance

What I need to know in my job:

- Profound knowledge of **programming, mathematics, and machining**
- Understanding the operation of NC-lathes

Abloy Ltd

Abloy Ltd is founded in 1918 and is one of the world leading lock and locking system manufacturers. Today, it is part of the Swedish ASSA ABLOY-group. The company has its headquarters in Joensuu and in 2014 app. 770 employees were working in its operations. Different mechanic and electrical locks, key holes and components for these as well as electronical doorautomationsystems and mechanical door closing pieces are part of Abloy's locking solutions. The annual revenue in 2014 was 156 million euros.



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NC- machinist Sami Sivonen, Abloy Ltd

After graduating from secondary school I did the basic degree in machining and metal and was specialising in machining. In my current position, I use and maintain NC-lathes (numerical control, computer programmed), create and adjust the programmes to be more efficient. When the machine gets the set ready, it is my task to change the settings and tools to be more appropriate for next set. Occasionally, the programme has to be modified in the middle of the work for avoiding the blades to make unnecessary moves. As soon as the first piece of the set is ready, I have to inspect it for possible faults. We are also in charge of keeping the working stations clean because maintenance is not working in the industry hall.

The work is in three-shifts. Team working is essential to get the information needed from other shifts. Language skills are useful, these machines are not domestic and the work may entail training sessions abroad, for example in Germany. The ability to understand three-dimensionally makes programming easier. In this work you need knowledge in basic programming, mathematics, machining and understanding of NC-lathes basic operations.

I find most interesting creating new programmes and solving problems occurred during the machine operates. You will learn a lot in this position, not only about NC-machining but also about the machines. Most challenging in this work is, on the other hand, creating these programmes. It takes a lot of time and the programme may cause serious damage if not made properly.

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