



Metal worker

Description

Metal workers produce various metal products including metal and steel structures and parts which are later joined based on the technical drawings. They are involved in the production and assembling of components from the beginning to the end of the process. They use numerous machines in their work, which are partially or entirely computer-controlled, and metal processing is carried out either by conventional machines or today more often by CNC machines. They carry out cutting, drilling, grinding, bending, welding and shaping to obtain adequate items/products, such as steel structures, metal parts for construction and other machines, metal housings, metal grids for balconies and windows, doors, facades or stairways. Soldering and welding methods are used to join cut components. They mainly make and process semi-finished products using the following material: steel, aluminium and copper. As they work with machines and various tools, they are responsible for their cleaning and maintenance. For the complete safety they strictly observe prescribed safety at work measures and use protective equipment. Processing and joining is carried out according to the defined technical drawings and patterns, which requires from metal workers to understand and apply given drawings in practice.

Generally, metal workers work in large closed or semi-open halls, exposed to noise and dust, often to cold. Major part of work is performed standing or bending, for that reason they have to be agile, skilful, precise and with good spatial orientation. Collaboration with colleagues is important during processing and joining of structural elements.

Desirable traits/requirements

- Manual dexterity/ hand skills;
- Agility and physical endurance;
- Good eyesight and precision;
- Sense of shape and proportion;
- Spatial orientation;
- Abstract and logical thinking;
- Responsibility and reliability;
- Being well-organized;
- Teamwork.

Positive aspects:

- A metal worker performs a responsible and versatile job. His area of work is broad, and this profile is continuously in demand. Metalworking industry is diverse, more technologically advanced, producing high quality products and structures.

Negative aspects:

- Metal workers must be precise and careful when handling machines and tools. They generally work in standing position in the noisy environment.

Career path/ fields of work

The metal worker's job requires completion of a three-year secondary vocational education.

Metal workers work in metalworking industry on processing and joining of large number of various semi-finished and /or finished products.