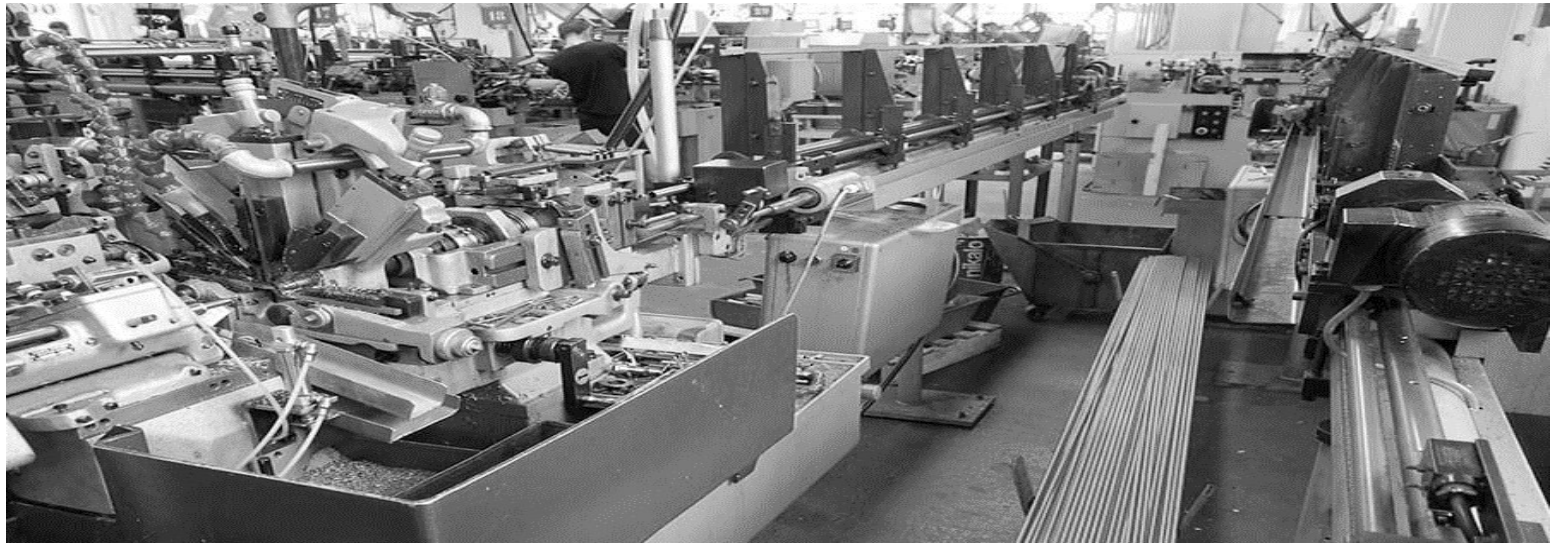


Branch : Mechanical production



Code : SCRCUT

Option : Screw-cutting

Level : Bac Pro

Prerequisites:

Opportunities :

Those with a bachelor's degree in screw-cutting find employment in screw-cutting companies supplying components for finished products for fittings, locksmiths, medical equipment or optics.

Description :

This diploma trains workshop technicians to prepare, operate and manage the means of production linked to this process: manufacturing machines, control equipment, etc. The diploma is designed for those who wish to work in the field of precision machining. This diploma trains workshop technicians who prepare, operate and manage the means of production linked to this process: manufacturing machines, control equipment, etc. In a small company, the graduates have a large degree of autonomy and carry out all the operations required to produce each part. In a larger company, part of the preparation of the machining is often taken care of by the industrialization department (programming of the machines, adjustment of the tools...).

Quality and competences :

This vocational baccalaureate trains bar turners or adjusters, i.e. workshop technicians with overall control of the management and operation of a set of means of production of bar turning parts.

Students acquire the skills needed to manufacture turned metal parts from metal bars, which may include drilling, threading and tapping. They learn the operating processes according to the components of the production system (manufacturing, control, handling and management). Computer skills will be developed as the use of specialised software has become more widespread with the use of complex machines. Students are also trained in the various manipulations to preset and manage tools. Solid teaching enables them to understand the adjustment of each component of the production system before the execution and control of the result produced. Other skills will also be acquired in the control, monitoring, optimisation and problem solving of the entire production system. Finally, students will also be prepared in the methods to be applied to perform first level maintenance or to develop diagnostic procedures.