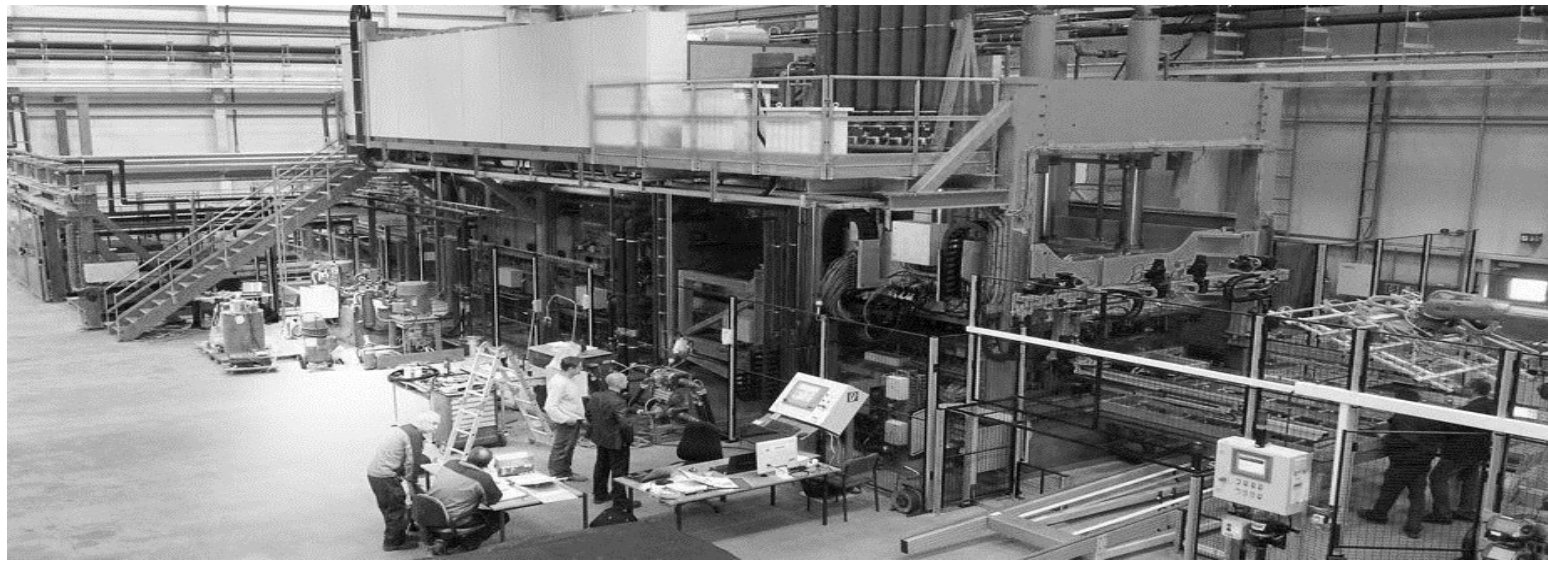


## **Branch : Mechanical and Production Engineering**



**Code :** PLACOM

**Option :** Plastics and composites

**Level :** Bac Pro

**Prerequisites :**

**Opportunities :**

The companies in the sector are mainly SMEs or VSEs that produce finished or semi-finished products in plastic or composite materials for, for example, packaging, construction, the automotive or aeronautical industries.

After a few months of integration, these graduates can be entrusted with the production and monitoring of a manufacture. Possible career paths: quality department managers; workshop managers.

**Description :**

Holders of this vocational training certificate are trained to work on automated installations. From powders, granules, liquids, pastes, plastic films and fibres, they manufacture plastic objects of various shapes. The work consists of assembling, disassembling and adjusting tools, planning the material to be used according to specifications, organising the production stages and conducting the manufacturing process, checking the operation of the machines, verifying the quality of production and intervening in the event of problems. Technicians may work for a raw material producer or a processor.

---

**Quality and competences :**

The vocational baccalaureate in plastics and composites trains professionals to carry out production or manufacturing using thermoplastic or composite materials.

Students learn to manufacture products from materials from the chemical or petrochemical industry on an automated system.

The training enables them to master manual or semi-automated techniques in order to obtain certain composite products or those of plastic boiler making, to prepare work materials in accordance with the manufacturing file, and to conduct production.

They master the various tools (assembly, adjustment) and develop the necessary skills to install production peripherals (heated hopper, robot, etc.).

They are able to propose improvements in terms of quality, costs, deadlines and waste management.

Quality, communication techniques, technical English, professional risks.