

A fixture is essential equipment to firmly fix the part at the good position in the workspace of the machine tool. The design of the fixture plays an important part to obtain a machined part of good quality. We already formalized knowledge on the fixturing so as to be able to manage them throughout process planning design. Now we are interested in the design of the fixture so as to pass from the fixturing model to the technological solution which will be used on the machine tool. This paper deals with the problem of modular fixture design with a technological point of view. The choice and the placement of element are carried out in taking account of all the constraints: quality, accessibility and mechanical behaviour of the system part fixture cutting tool during the machining.