

TP N ° 3 Machining (Turning, milling and drilling)

1. Introduction

Machining is in principle a process of mechanical manufacture by cutting (removal of the material), involving in coordination the knowledge of the machines, the cutting conditions and the tools.

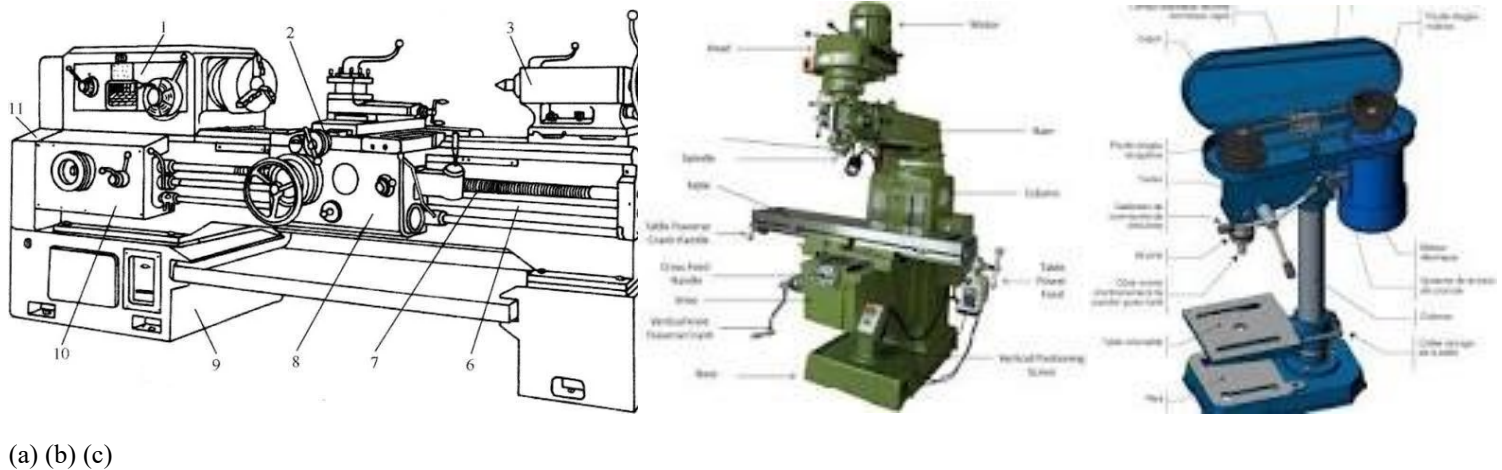


FIG. Machining machine ((a) - turn, (b) - milling machine, (c) - drilling machine).

2. TP target

The purpose of our TP is to machine a steel part, in order to wait for the desired dimensions

3. Handling

to take that:

- The principles of carrying out turning, milling and drilling processes,
- Discovered the main cutting tools of the processes,
- Installation of the part (adjustment, tightening) on machine,
- Adjustment and tightening of the tool,
- Update of the tool,
- Adjusting cutting conditions,
- Put in place the control elements of the part,
- Comply with safety rules,
- Machining a few operations.

For the smooth running of the practical work:

- ❖ Use your resource documents for machines, tools and cutting conditions,
- ❖ Read the documents submitted and answer the machining decoding questionnaire.

Not forgetting to return the workstation after cleaning and storage.