



## ON-LINE Training for CAD-CAM Technicians



### 2D DRAWING - EMBC2DEN Mastercam Interface and 2D Technical Drawing

#### Teaching Method :

- > **On-line** course made of different parts each ending with testing and evaluating summing questionnaires.
- > **Mastercam** software in its demo version to handle the guided drills and test the learnt notions.
- > Technical **Helpdesk** available by e-mail.

#### Length :

**15 hours** - corresponding to **30 hours** of a traditional in class training

**Maximum available on-line time :**  
**1 month**

#### Requirements :

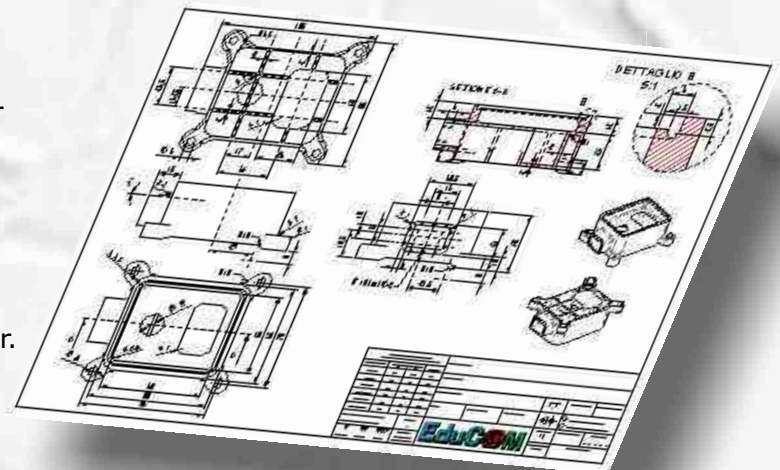
- > Computer with CD-Rom reader and Windows technology.
- > Internet connection.
- > E-mail address.

#### Needed knowledges :

- > How to use an internet browser.
- > How to use e-mails.

#### Contents :

- > 2D technical drawing fundamentals with CAD systems, raster and vectorial graphic, difference between drawing and model.
- > Interface, functionality and using of CAD/CAM Mastercam systems.
- > Handling of CAD/CAM systems, menus, referring systems; instruments of selection and precise pointing.
- > Management of CAD records, organization of working environments, visible operativity.
- > Exchange file format between CAD systems, conversion from/to other formats.
- > Creating and editing of 2D geometries, basic and advanced.
- > Transforming and analyzing functions of a CAD 2D drawing.
- > Dimensioning of technical drawings.



#### Released qualification :

**EduC@M Qualified** Certificate