

Sketches, models and prototypes

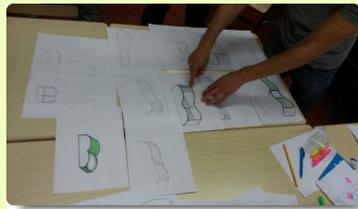


Photo credit
Only photos of the project participants are shown on this Flyer. The project participants approve the reproduction these photos by third parties.



Furniture



Furniture design and modern CNC manufacturing in European context

2018-1-DE02-KA202-005058



Disclaimer

"The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein."

The aim of the project is to improve the competence of teachers and trainers of carpenter apprentices with a focus on furniture design and modern CAD and CNC based planning and production. August 2018—May 2021



About the Erasmus+ project

2018-1-DE02-KA202-005058

Good practice: Teachers work in small European teams and receive a customer order from the host school. They develop different designs of a product and discuss their ideas in a team. The design process begins:

- * Quick sketches with different shapes, sizes and proportions
- * The top three designs will continue to be pursued
- * The designs are drawn on tracing paper and highlighted in color
- * The decision for a certain design is made
- * Definition of dimensions, construction, connection, colors and joint patterns
- * Cardboard models are glued and covered with Color
- * Draw 3D and 2D drawings with the CAD system
- * A prototype on a scale of 1: 1, 1: 5 ... is built in the workshop
- * Materials, connections, CNC processing and the fittings are determined
- * The production of individual parts in the workshop and the production of CNC parts
- * Assembly of all parts of the furniture - evaluation

CNC manufacturing



Masterwood CNC machine
Tredu Tampere, Finland

S:t Eriks gymnasium
Stockholm Sweden



Holzler CNC machine
Lycee Blaise Pascal
Colmar, France



Weeke CNC machine
Emil-Possehl-Schule
Lübeck, Germany



SCM CNC machine
NEXT UDDANNELSE
KØBENHAVN,
Denmark

2D and 3D CAD drawing systems

