



**Modellbauwerkzeuge & Präzisionsmaschinen G.m.b.H.**  
**Modelmaking & Precision Tools Ltd. Vienna / Austria**  
 Fabriksgasse 15, A-2340 Mödling info@thecooltool.com  
 phone: +43-2236-892 666 fax: +43-2236-892666-18

## Workshop Projects

[www.unimateducation.com](http://www.unimateducation.com)

Five different projects for children age 6 and up in detail.

## Workshops with UNIMAT 1

The projects listed below have been proven to provide a guaranteed sense of accomplishment, as well as an enormous amount of pride over a finished work piece. That's what our workshops are all about.

When simple step by step instructions are followed, a large number of participants can be involved in the same project simultaneously. However, we've had best results with 10 to 15 participants per instructor.

We encourage creativity and suggestions / ideas for brand new projects are especially welcome.

### Project 1: Salt- and Pepper- Shaker

Materials:

- Beech or lime round wood -
- 6-7 cm long, approx. 4 cm diameter (hollowed inside)
- Plastic plug

Equipment:

- Unimat Basic with a 3-jaw chuck and a hand drill for drilling dispensing holes

Tasks for Participants:

- woodturning, sanding

Tasks for Instructor:

- securing and removing the work piece, drilling the dispensing holes

Time frame:

- approx. 30 min



## Project 2: Candlestick

- Materials:
- Beech or lime round wood - 7-12 cm long , 3-5 cm diameter (for smaller diameters a flat wooden support base can be made with Unimat jig saw and added for stability)
  - A pin or a finishing nail is hammered halfway into the top surface of the round piece so that the candle can be mounted on it.
- Equipment:
- Unimat jig-saw (for the base plate), hot melt glue (+gun), hammer
- Tasks for Participants:
- woodturning, sanding, hammering in the nail, (sawing and gluing)
- Tasks for Instructor:
- securing and removing the work piece
- Time frame:
- approx. 30 min

## Project 3: Key Rack

- Materials:
- 21x30 cm plywood (layout already pre-printed or die-cut)
  - hooks (5 pieces)
  - glue or hot melt glue sticks for attaching the top piece
- Equipment:
- Unimat sander, hammer, hot melt glue gun
- Tasks for Participants:
- cutting out with jig saw/removing the pre-cut elements from plywood
  - sanding the edges
  - gluing parts together
  - screwing in the hooks
- Tasks for Instructor:
- overseeing the progress, providing help where needed
- Time frame:
- approx. 30-45 min

## Project 4: Navity Set

- Materials:
- 20x30 cm (4mm thick) poplar plywood with preprinted shapes
  - 20x20 cm (4mm thick) poplar plywood for side walls etc.(6 pcs)
- Equipment:
- Unimat jig saw
  - Unimat sander
  - hot melt glue gun
- Tasks for Participants:
- cutting out with jig saw, sanding and painting the work piece
- Tasks for Instructor:
- glueing and assembling
- Time frame:
- approx. 1 hr.

## Project 5: Wooden Pen

- Materials:
- kit with all the pre-made components partially assembled
- Equipment:
- Unimat woodturning machine with long bed and proper attachment
- Tasks for Participants:
- turning the wooden hull, waxing the surface
- Tasks for Instructor:
- mounting and removing the work pieces, assembling the wooden pen
- Time frame:
- approx. 30 min