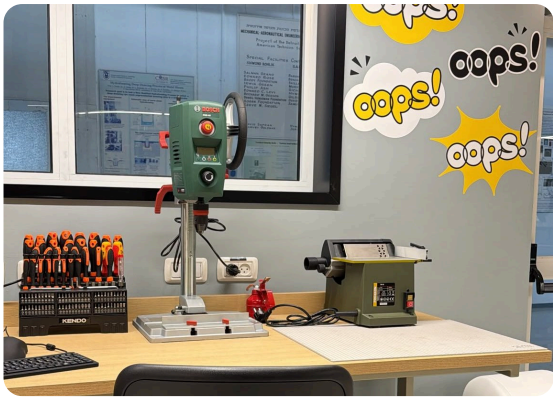
Belt sander

Proxxon TB 50



The belt sander on the machine bench



Vacuum under the bench

Safety glasses **Hair tied back** **No gloves** **No loose sleeves or jewellery**

The hazards

- **The belt.** It runs at 400 m/min. It takes the skin off a fingertip or a knuckle the moment they touch.
- **Getting drawn in.** The belt can pull a small part, a glove or a sleeve into the gap between belt and table.
- **Thrown parts.** A part that is not resting on the table can be snatched from your fingers and thrown.
- **Dust.** Fine dust from wood, plastic and metal. The vacuum is there to take it away at the belt.
- **Sparks and heat.** Steel throws sparks, and a sanded metal part gets hot enough to burn.

Always

- Connect the vacuum and switch it on
- Check the belt before you start: no tears, and running in the middle of its rollers
- Rest the part flat on the table and hold it with both hands
- Press lightly and keep the part moving along the belt
- Use the angle stop for mitres and square ends
- Wait for the belt to stop before you adjust anything
- Let metal parts cool, or hold them with pliers

Never

- Wear gloves
- Sand a part too small to hold safely away from the belt
- Sand freehand in the air, without the table
- Push hard. It burns the part and wears the belt
- Sand steel without asking first: sparks and wood dust in the same vacuum can start a fire
- Sand magnesium, or a material you can’t identify
- Change the belt, tilt it or adjust its tracking while it runs

If something goes wrong

- Switch off with the red button and step back. Let the belt stop.
- Graze: rinse it with clean water and cover it with a clean dressing.
- Dust or a chip in your eye: don’t rub it. Rinse with water and get help.
- Burning smell or smoke from the vacuum: switch everything off and tell Nitai.