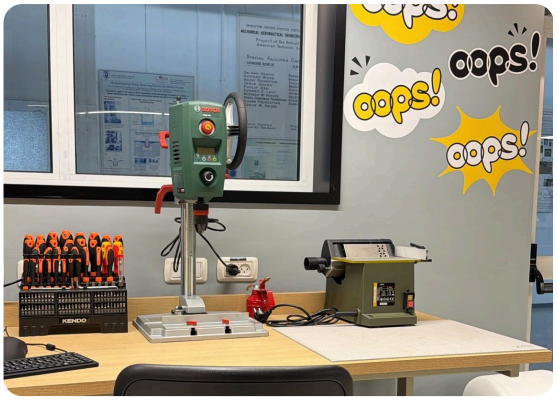
Belt sander

Proxxon TB 50



The belt sander on the machine bench



Drill, belt sander and vacuum

Belt	Net sanding belt, 50 × 533 mm, in grits 100, 180 and 240
Belt speed	400 m/min
Table	210 × 145 mm, die-cast aluminium
Belt position	Tilts through 90°: on edge behind the table, or lying flat
Guides	Sliding angle stop for mitres, support table for sanding flat faces
Dust	Drawn through the net belt to a port for the workshop vacuum
Materials	Wood, plastics, cork, non-ferrous metals and steel

1. Set up

1. Choose the grit: 100 to shape and remove material, 180 for general smoothing, 240 for a fine finish.
2. Changing the belt needs no tools, but ask Nitai to show you the first time.
3. With the machine switched off, set the belt on edge for edges and ends, or flat for faces.
4. Connect the vacuum hose to the dust port and switch the vacuum on.

2. Sand

1. Switch on and let the belt reach full speed.
2. Watch the belt for a moment. If it drifts sideways, switch off and ask Nitai to adjust the tracking.
3. Rest the part flat on the table and bring it gently up to the belt.
4. Keep the part moving from side to side, so the whole width of the belt does the work.
5. For a mitre or a square end, set the angle stop and slide the part along it.
6. Check your part often. A belt sander removes material faster than it looks.

3. Finish

1. Switch off with the red button and wait for the belt to stop.
2. Vacuum the table and the bench, then switch the vacuum off.
3. Report a belt that is torn, clogged or worn smooth.

Which grit

Grit	Use it for
100	Shaping, removing saw marks, bringing a part to size
180	Smoothing after 100, breaking sharp edges
240	Final finish before paint, glue or assembly

If it goes wrong

Problem	Likely cause
Burn marks on wood	Pressing too hard, staying in one place, or a worn belt
Plastic melts and clogs the belt	Too much pressure. Press lighter and keep moving, or use a coarser grit
Edges come out rounded	The part is rocking. Keep it flat on the table
Belt wanders to one side	The tracking needs adjusting. Switch off and ask Nitai