## Industrial oven for curing, drying, and heating + accessories: for the manufacturing processes lab

**Specifications for Oven**
- Chamber volume up to 50 L (min 30 L)
- Number of shelves: 2
- 230/230 V, 50-60 Hz
- Temperature range: 0 – 700 °C
- Convection technology
- Material: Powder-coated cold-rolled steel, stainless steel exterior, fiberglass gasket, cold-rolled, chemical-resistant steel cabinet with powder-coated finish

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## Universal testing machine: Tension, compression, bending with extensometer and environmental chamber

**Specifications for Universal testing machine**
1. Load capacity: Up to 50 kN (in both directions)
2. Orientation: Vertical
3. Hydraulically operated pillar tester with direct generation of force (Hydraulic test force generation
   - test force: 0 - 50kN
   - system pressure: 175bar
   - piston stroke: 150mm Gear pump
   - flow rate: 1cm³/rotation
   - power consumption: approx. 0.55kW
4. Direct generation of both tensile and compressive forces with Digital force and displacement displays.
5. Force and displacement recorded by sensors, displayed and can be processed on a PC: Measuring ranges
   - force: 0 - 50kN
   - displacement: 0 - 150mm

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6. Changeable grips for different types of specimens:
   - Threaded Grips for Threaded End Tensile Specimens
   - Holder for Dumbbell-Shaped Tensile Specimens
7. Runs the following tests:
   - Tensile test
   - Brinell hardness testing
   - Compression test
   - Bending test
   - Shear test
8. Measuring Magnifier for Brinell Impression
9. Power supply: 230V, 50/60Hz, 1 phase
10. Optional (environmental Chamber)

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