

Convective walnut dryer consists of a frame, a drying chamber with a mesh bottom, an air chamber equipped with an electric heater and a fan, a screw-type working element with a disc air flow distributor of a conical shape with grooves, and a gear motor. Additionally, the dryer is equipped with temperature sensors located at four levels of the drying chamber, connected to digital T.E.S.-type thermostats built into the dryer control unit, which provides automatic temperature control and real-time monitoring of the drying process.