

## Primary goals:

- To design and build a PCB drilling machine that is accurate, efficient, and user-friendly.
- To automate the PCB drilling process, reducing the need for manual labor and improving production efficiency.
- To develop a cost-effective PCB drilling machine that is suitable for small-scale and large-scale production environments.

## Secondary goals:

- To integrate the PCB drilling machine with other PCB manufacturing processes, such as milling and routing.
- To develop a user-friendly interface for controlling the PCB drilling machine.
- To make the PCB drilling machine compatible with a variety of PCB materials and drill bit sizes.

## Additional goals:

- To improve the precision of the PCB drilling machine by using advanced motion control techniques.
- To increase the speed of the PCB drilling machine by using high-performance motors and drives.
- To reduce the noise level of the PCB drilling machine by using sound dampening materials and techniques.