

# Surface Planer

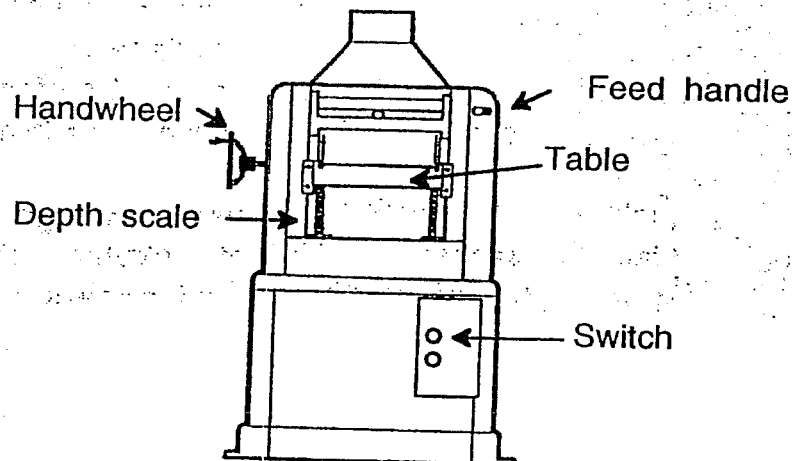
To certify on the surface planer you will need to know:

1. The safety rules.
2. The parts of the surface planer.
3. How to adjust the depth of surface cut.
4. Explain how to surface a board..

## Surface planer safety rules

1. Wear eye protection.
2. Do not force material through surface planer.
3. Do not remove chip accumulation while machine is running.
4. Do not stand directly behind the machine or in line of a kick back.
5. Do not look into the throat of the surfacer while it is running.
6. Be sure to select the proper depth of cut 1/8 inch.
7. Boards to be surfaced must be at least 12" inch in length.
8. Check for metal, loose knots or other foreign materials.

## Surface planer parts



### How to adjust the depth of surface cut.

1. Use a ruler and measure the thickest part of your board. If the board is cupped, lay it on a flat surface and measure from the flat surface.
2. Lower table using the handwheel to that depth on the depth scale.
3. Raise table 1/32" from your starting depth.
4. Now the surface planer is set for your first cut.

### How to surface a board.

1. Examine board for any defects. If warped or twisted check with your instructor.
2. Set table to the correct height for your first cut.
3. Turn on dust collector and open exhaust gate.
4. Turn on surface planer.
5. Place board on infeed table cupped side down if there is one. Make sure fingers are not under the board. Doing so might result in your fingers being pinched. Push your board forward till the board is pulled into the surface planer by the infeed roller. Always stand to the side of the surface planer.
6. As the wood is feed through the planer it will surface the top of your board. You will need to catch your wood as it comes out the outfeed side of planer.
7. If wood gets caught in the surface planer disengage feed handle and shut off surface planner. Then get instructor to help you.
8. When finished shut off surface planer and close exhaust gate.