

Surface/Drum Sander

•Review dress code

- Remind students that long hair must be tied back, loose clothing and/or jewelry must be removed

•Intro

- Discuss what the tool does/strengths
 - Removes material from top
 - Flattens/surfaces material
 - Dimensions material precisely
- Discuss Similarities and Differences to Planer
 - Uses abrasive (sand paper) instead of knives
 - Can be used cross grain
 - Removes MUCH less material per pass
- Describe the sanding head(s) location and direction of rotation

•Show Controls

Large Powermatic Machine

- On/Off Switch
- Belt height adjustment wheel
- Dimension scale/pointer
- Forward/revers switch
- Belt engagement/speed lever

Smaller Performax Machine

- On/Off Switch
- Belt speed adjustment
- Dimension scale/pointer

•Discuss Material Requirements

- “Clean” material only- No: paint,concrete,dirt,nails,staples,screws etc.
- 12” minimum length
- 1/2” minimum thickness
- Machine is designed for wood ONLY

•Demonstrate Setup and Operation

- Carefully measure thickness/dimension of material
- Set machine to SAME thickness
- Remove 1/4 turn of hand-wheel **MAX** until drum kisses material
- Remove 1/8 turn of hand-wheel **MAX** for subsequent passes

-Remind students to listen to the tool

•**Briefly Discuss Hazards** (No Horror Stories)

- User condition ie; lack of sleep, in a hurry
- Kickback associated with lowering table during operation
- Remind students if there is a problem turn off tool and wait for machine to stop completely before lowering table/belt

•**Field Questions before Student use**

REMEMBER-We are here to help. If you have any questions ask!