

Woodworking 1A: Machinery & Methods

Learning Plan

Module 3.2: Planer

Overview

The Planer or Surfacer is used to smooth the surface and cut stock to a uniform thickness. While some large machines with two heads can straighten and surface stock in one pass, most smaller machines are single surfacers and will not remove warp from a board. In most shops, therefore, the surfacer is used in conjunction with the jointer, so that one side is jointed flat before passing the board through the Planer. In this unit we will learn how to properly adjust and use a planer.

Task	Estimated Time	Actual Time
Reading/Study	1 hour	
Observation & Practice	1.5 hours	
Exercise	1 hour	

Learning Activities

✓ Task

- Read *Modern Cabinetmaking (6th edition)* pp. 446-48 & 454-59
- Review Information sheet 1, "Planer Safety Rules"
- Observe a demonstration by the instructor on the adjustment and use of a Planer <and/or> watch the demo videos:
 - [Planer Demonstration – Part A](#) (22:21)
 - [Planer Demonstration – Part B](#) (22:51)
- Review Information sheet 2, "Grain Direction Diagram"
- Complete the Planer Demonstration Checklist with your instructor or an approved proxy
- Complete exercise 3.2, "Using a Planer"

Assessment Activities

- Self-evaluate and submit with learning plan.