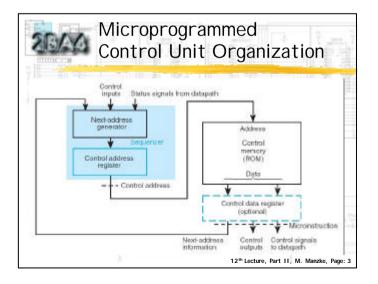
Microprogrammed Control ► Hardwired control units have the advantage of great compactness and low propagation delay on account of the shorter loop path. ► However as the number of states and control signals increases they become increasingly costly to: ► Design ► Debug ► Upgrade ► A more flexible approach is used.



The Flexible Approach We store the control words, together with next-state information, in a control memory which is usually: ROM EPROM Then use the control inputs and status signals to select the appropriate address of the next state. See figure on the next slide.

