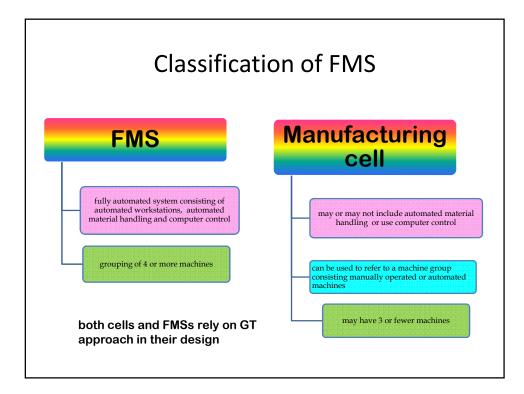


4

F.M.S – Working Example

example: <u>Flexible Manufacturing System</u> (https://www.youtube.com/watch?v=2qc0-yTXBts)



Classification of FMS

based on part geometry

- prismatic: cubelike and require milling and related machining operations
- round: cylindrical and disk-shaped and require turning and related machining operations
- based on part variety
 - Dedicated FMS
 - designed to produce a limited variety of part styles
 - complete universe of parts to be made on the system is known in advance
 - part family likely based on product commonality rather than geometric similarity
 - Random-order FMS
 - appropriate for large part families
 - new part designs and engineering changes will be introduced
 - production schedule is subject to daily changes

Random-order FMS:

must be more flexible than the dedicated FMS and require more sophisticated computer control system

http://homes.ieu.edu.tr/~aornek/ISE314-Ch19.pdf





