Flexible Manufacturing System

Definition

- A **flexible manufacturing system** (**FMS**) is a manufacturing system in which there is some amount of flexibility that allows the system to react in the case of changes, whether predicted or unpredicted. http://en.wikipedia.org/wiki/Flexible_manufacturing_system

Redundancy

- The provision of additional or duplicate systems that function in case an operating part or system fails. http://dictionary.reference.com/browse/redundancy

Interesting Fact

- When machines are placed in an FMS, they can make up for other machines that have broken down by duplicating their function and preforming that function until the broken machine is repaired.

Person(s) Involved

- Professor Koren was elected to the National Academy of Engineering (NAE), recognized for his innovative contributions to reconfigurable manufacturing systems, flexible automation, and robotics. http://sitemaker.umich.edu/ykoren/research
- Professor Koren has won numerous prestigious manufacturing awards, including the Merchant Medal of ASME & SME & the Society of Manufacturing Engineering Gold Medal http://www.engin.umich.edu/eiome/long_bios/ykoren.pdf