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Product Name :
Flexible Manufacturing System

Product Code :
SCHOOL-CAD890009



Description :

Flexible Manufacturing System

Technical Specification :

Flexible Manufacturing (FMS) System is an integrated, computer controlled, automated manufacturing system that covers material handling system, and CNC machine tools, that can simultaneously process medium sized volumes of variety of parts.

Flexible Manufacturing System (FMS) is a system in which Method of producing goods is readily adaptable to the changes in the product being manufactured.

The system can be expanded to computer integrated manufacturing (CIM) system by adding conveyor systems, co-ordinate measuring machine (CMM), automated guided vehicle (AGV) and assembly automation system.

A flexible manufacturing system (FMS) gives manufacturing firms an advantage in a quickly changing manufacturing environment.

FEATURE:

Automatic Storage & retrieval system

Linear Shuttle Conveyor

Loading & Unloading Arm: 2 Axis for Lathe / 3 Axis for Mill

Pallet Conveyor

SPECIFICATION:

Flexible Manufacturing System (FMS) is a prototype of FMS, which are currently being used in the industry.

It consists of following equipment:

CNC Lathe with Servo Motors

CNC Mill with Servo Motors

Gantry for Loading and Unloading from CNC Lathe Machine

Three Axes Robotic Arm for Loading and Unloading in CNC Mill Machine

Pallet Conveyor / Automated Guided Vehicle

Automatic Storage and Retrieval System

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