



Robot Assisted Machining Application Cell

Robotics and manufacturing are a natural partnership. Robotics play a major role in the manufacturing landscape today. Automated manufacturing solutions should be a key part of any operation that strives for maximum efficiency, safety and competitive advantage in the market. Loading or unloading machines is one of the most common applications in industrial robotics.

In this application machining part or pieces is loaded and unloaded by robot in CNC machine for operation i.e. turning or milling. Manufacturing robots automate repetitive tasks, reduce margins of error to negligible rates, and enable human workers to focus on more productive areas of the operation.

Robot Specification

Model	: KUKA KR 10
Rated Payload	: 10 Kg
Maximum reach	: 1496 mm
Repeatability	: + 0.04 mm
Controller	: C4

Machine Specification

Make	: ACE Manufacturing System Pvt. Ltd.
Model	: MCV 400
CNC System	: SIEMENS 828
Spindle Power	: 7.5 / 5.5 mm
Spindle Speed	: 60-6000 RPM