



Robotic Milling Application Cell

Robot Specification:

Model	: KUKA KR 120 R2500 Pro
Rated Payload	: 120 Kg
Maximum Reach	: 2500 mm
Repeatability	: ± 0.06 mm
Controller	: C4

External Table Specification

Make	: UCAM
Model	: URH-631-RH
Turn Table diameter	: 630 mm
Load Capacity - Horizontal	: 2200 Kg

Spindle Specification

Make	: HSD
Model	: ES929
Max. RPM	: 12000
Rated Power	: 9 KW

Robotic milling is the process of cutting material away from a prototype or mold to form a specific structure. Milling robots can perform the exact cuts and precise movements needed to produce the highest quality parts. Automated robot milling systems can have flexible tooling designed to cater to specific material removal. Any object of any size or shape can be milled by simply adjusting the robot programming and end-of-arm-tooling. Robotic Machining application ideal for sculpture making in various material i.e. high density foam, High density thermocol & MDF board. This process is also suited machining cum finishing of heavy engineering components like marine propeller blades.

