



CONTROLS



EDU-RoboMill

The fusion of robotic flexibility and CNC machining precision.

Designed for education and real-world application, this system not only teaches **robotics programming** and the **fundamentals of CNC** but also serves as a versatile solution for **industrial tasks**.



Industrial-grade controls



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SCAN ME

GET TO KNOW US!

Established in 2000, Levil Technology is a family-owned and operated company, based in Central Florida. We are dedicated to the design and production of the best all-in-one CNC machines for educators, machinists, engineers, inventors, hobbyists, and secondary machining operations in any industry.

Using FANUC's "Robot G-code" option we can achieve both robotic flexibility and CNC precision. Robot G-code refers to a programming method where a FANUC CNC can pass X, Y and Z command movements to a FANUC robot control and move the robot like a CNC machine.

Controls & Programming		
Industrial Controller	Fanuc	
Travel - Robot Dependent		
LR-Mate 200iD/4S		
LR-Mate 200iD		
LR-Mate 200iD/7L		
LR-Mate 200iSD/14L		
LR-10iA/10		
*Other robots can be used, but larger sizes will affect doorway clearance and table dimensions.		
Measurement System	Imperial	Metric
Mechanical Motion		
Axes Motors	Servo Motors	
Linear Guideways	N/A	
Ball Screws	N/A	
Precision	0.0012 inches	0.03 mm
Feed		
Rapid Feed Rate	79 ipm	2.0 m/min
Cutting Feed Rate	59 ipm	1.50 m/min
Spindle	Opt. 1: robots (All robots)	Opt.2: robots +10KG payload or larger
Standard Model	NSK 3060-AQC ATC	LS-C30
Max. Spindle Speed	30,000 rpm	14,000 rpm
Spindle Motor Power	0.47 hp	2 hp
Spindle Taper	QC3	S20T
Rigid Tapping Capable	No	No
Automatic Tool Changer	Yes	Yes
Max Torque	~0.11 Nm	2.5 Nm
Drive System	In-line Direct Drive	In-line Direct Drive
Cooling	Air Cooled	Air Cooled
Electrical Specifications		
Power	220 VAC (stepper up/down transformer for 110 VAC)	
Amps	15 A	
Phase	1 ph	
Machine Measurements		
Width	83.6" (212.5 cm)	
Height	74.77" (1900 cm)	
Depth	32.9" (83.6 cm)	
Height with Stand	74.77" (1900 cm)	
Fits Through Standard Door (35")	Yes	