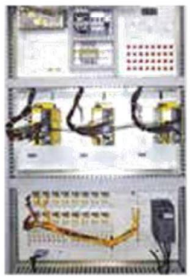
EDU CNC Machine with Build-in TROUBLESHOOTING BOARD

EDU PRECISION

MODULE 2: CNC Machine Troubleshooting Experiences

MODULE 3: CNC Machine Maintenance Experiences

EDU VR1 Mill-TB



MECHANICAL SPECIFICATIONS

Controller	: Siemens 808D/Fanuc Oi Mate
Work Table	: 280mm x 150mm
Work table slot	: 8x3
Strokes	: 200mm x 150mm x 180mm
Spindle Speed	: 80-3500rpm
Spindle power	: 0.4Kw
Programmable feed rate	: 1500mm/min
Rapid feed rate	: 3000mm/min
Transmission (program transfer)	: Siemens 808D : RS232, USB ; Fanuc Oi Mate : RS232, Ether Net, CF
Accuracy	: 0.02mm
Repeatability	: 0.012mm
Resolution	: 0.001
Spindle mounting	: BT30
Overall Dimension	: Aprrox. (L x W x H) 1400 x 1550 x 1050mm
Machine weight	: Approx. 800kg
Power supply	: Siemens 808D;50Hz, 380V, 4kW, Three phase : Fanuc Oi Mate ; 50Hz, 220V, 4kW, Single phase

COURSE SYLLABUS

Introduction to CNC Troubleshooting
Experiment 1 : Electrical wiring assembly
Experiment 2 : CNC machine data tuning
Experiment 3 : How to use PLC to monitor machine signal
Experiment 4 : Machine I/O troubleshooting
Experiment 5 : Spindle inverter troubleshooting
Experiment 6 : Servo Motor troubleshooting

EDU CNC Smart Lab - EDU VR1 CNC MACHINE - TB

IKTBN Sepang, Malaysia


ITE Simei, Singapore


Eastern International University, Vietnam


Politeknik Sriwijaya (Palembang), Indonesia


University of San Carlos, Philippines


Shaqra University, Dawadmi, Saudi Arabia