

COMPANY NAME	<b>3-4-5 AXIS CNC ROUTER MACHINE USAGE AND MAINTENANCE INSTRUCTION</b>	Doc. Number	TL.092
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<b>MACHINE NAME</b>	<b>CNC ROUTER PROCESSING CENTER</b>
<b>BRAND - MODEL</b>	<b>NOKTA CNC - NX SERIES</b>
<b>SOFTWARE</b>	<b>NOKTA CNC Freze Ver.1-6.00</b>

### CNC ROUTER INSTRUCTIONS FOR USE

1. Depending on the workpiece, attach the cutter bit to the motor shaft by tightening the wrench with the appropriate diameter.
  2. Attach the workpiece to the upper floor of the cnc workbench with the appropriate fittings.
  3. Check that all the Emergency Stop Buttons (Emergency Stop) on the machine are not pressed.
  4. Open the CNC Control program with the "Power On" Button located in the PC Control cabinet.
  5. Press the "RESET" Button on the CNC control application to light the "Power On" bulb on the CNC cabinet.
  6. Check that the green "Power ON" light bulb in the CNC control cabinet is lit.
  7. Remove the objects on the CNC Machine that may hit during its movement from the machine.
  8. Press the "Take Reference" button on the CNC control Program to have the Machine move and reference.
  9. Go to the corner reference point of the workpiece and position the Z axis so that it touches the top surface of the workpiece.
  10. Touch the cutting tool to the upper reference point of the Workpiece and press the "Zero Z" button in the program.
  11. Select the cnc program file (G-Code) to be processed from the file menu and call it to the screen.
  12. Start the Dust Collector (Dust Suction) or Liquid Cooling Pump motor through its switch.
  13. Press the "Run Program" Button to run the program loaded on the machine.
  14. Pressing keys with wet hands. Opening the electrical panel while the CNC is running and stopping at the point where the cutter tool can see the spindle.
  15. While CNC is running, download the CNC Program to the taskbar and run another application.
  16. Except authorized, trained personnel while CNC is operating, keep other personnel out of the safe area of the machine, definitely zooming.
  17. When finished, move the cutting tool away from the workpiece to a safe area and remove the workpiece from the workbench.
  18. Do not enter the engine calibration and sensor setting parameters of the machine without consulting the manufacturer for any purpose or reason.
  19. Now check the chips periodically (when the machine is not running) and clean the chips.
  20. At the end of work or overtime (While the machine is not working), clean and grease screws and rails with a clean and dry cloth.
  21. While closing the bench; First, close the software by pressing the "Exit" button. Then turn off the Pako switch belonging to the cnc machine on the operation panel and remove the three-phase and, if any, the single-phase plugs from the socket.
  22. After separating the Power Supply Line of the workbench from the energy, leave the work area after making sure that the energy and indicator lights on the cnc are turned off for the last time.
  23. Never allow the machine to be operated and used except for trained and authorized personnel.
- NOTE!** Clean the Rails of the workbench daily with dry cloth against water and dust, then grease with machine number 5 and cloth. Ball rail trolleys are lubricated monthly by grease pump, using synthetic grease from their grease fittings.

### MAINTENANCE INSTRUCTION

CARE TO BE PERFORMED	MAINTENANCE PERIOD			
	DAILY	WEEKLY	MONTHLY	YEARLY
GENERAL CLEANING AND MAINTENANCE	X			
PRESSING GREASE TO BEARING CARS			X	
ELECTRIC PANEL FAN CLEANING		X		
SLIDE LINEAR-RAIL CLEANING AND LUBRICATION	X			
POWDER HOLDER CARTRIDGE FILTER CLEANING	X			
AXIS CALIBRATION CONTROLS				X
COMPUTER DISK CARE AND BACKUP		X	X	X

Authorized Personnel (Trainer)  
I bought it solid and working.

Company Official Approval

Training Staff