

LNC - M700 SERIES Milling Controller

SPECIFICATIONS

Motion Error Display	Standard
Chinese/English Alarm Message	Standard
Encoder Disconnection Detection	Standard
I/O Transmission Detection I/O	Standard
10. Tool Compensation	
- 1.Tool Length Compensation	
Tool Length Compensation	Standard
- 2.Tool Diameter/Radius Compensation	
Tool Radius Compensation	Standard
Tool Length Measurement	Standard
11. Coordinate Systems	
- 1.Coordinate Systems and Setting	
Absolute/Relative Coordinates Setting (G90/G91)	Standard
Machine Coordinates (G53)	Standard
Working Coordinates Selection(6 sets) (G54-G59)	Standard
Local Coordinate Setting (G52)	Standard
Coordinates Setting (G92)	Standard
Polar Coordinate Setting (G15,G16)	Standard
Working Plane Selection (G17-G19)	Standard
Mirror Image (G50,G51)	Standard
- 2. Reference Point Return	
Manual Reference Point Return	Standard
Automatic Reference Point Return (G27-G29)	Standard
Automatic 2nd, 3rd & 4th Reference Point Return (G30)	Standard
12. Operation Auxiliary Functions	
- 1.Operation Auxiliary Function	
Program Block Selection	Standard
Optional Block Skip	Standard
Optional Stop(M01)	Standard
- 2.Program Test	
Dry Run	Standard
Machine Lock	Standard
Z Axis Cancellation	Standard

Auxiliary Function Lock	Standard
Machining Time	Standard
Tool Path Graphic Display	Standard
MPG Dry Run	Standard/No
Program Simulation	Standard
- 3.Program Call, Start, and Stop	
Program No. Search	Standard
Block No. Search	Standard
Cycles Start	Standard
Reset and Rewind	Standard
Single Block	Standard
Stop(M00)	Standard
13. Program Auxiliary Functions	
- 1.Machining Auxiliary Functions	
Drill Cycles	Standard
Tapping Cycles	Standard
User Macro	Standard
Program Variables	Standard
Canned Cycles	Standard
- 2.Process Precision Auxiliary Function	
Ball Bar Test	Standard
Exact Stop	Standard
- 3.Data Input/Output	
Part Program	Standard
Tool Compensation Table	Standard
Parameters	Standard
common Variables	Standard
System Data	Standard
Program Arguments	Standard
14. Embedded 2D CAD/CAM Software	
Arachnoid Pocketing	Optional
Profile Finish Cutting	Optional
DXF File Importation DXF	Optional
15. Floppy Disk	
16. PLC Programming Software	
17. Conversational Function	
Drill - Machining	Standard
Facing	Standard
Pocketing	Standard
Side- Cutting	Standard
18. Machine Auxiliary Functions	
Backlash Compensation	Standard
Pitch Error Compensation	Standard
Spike Compensation	Standard

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Leading Numerical Controller in the World

The Best Solution Highest Cost-Performance
PC-Based Controller



LNC-M700 SERIES

LNC Technology Co. is a specialist in the design and manufacturing of PC-Based controller with vast investment on research & development as well as strict quality control. LNC Series controllers are suitable for the applications in precision industrial equipments, automation production equipments and measuring systems. LNC-M700 can be extensively applied to various industries such as milling, grinding and automation controllers.

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LNC-M700

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HARDWARE CONFIGURATION



10.4" TFT LCD



MDI

Total solution for wire connections by offering operation panel, transit card, and relay card. Operation panel is customizable.



SYSTEM MIC-2000



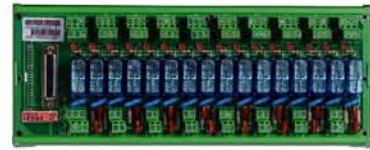
OP-I540



OP-2520



SIO-I540



REL-2840



TRF-2760

SOFTWARE CONFIGURATION

Program



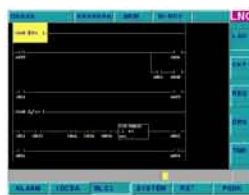
- Shows the current block of part program.
- Shows the valid G code of each group.

Tool Path



- Tool path display for machining contour.
- Tool path preview.

MLC Ladder Function



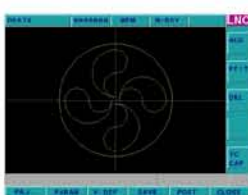
- Ladder diagram display.
- Counter display.
- Register R/D display.
- Timer display.

Coordinates



- Absolute, relative & machine coordinates are displayed at the same time.

CAD/CAM



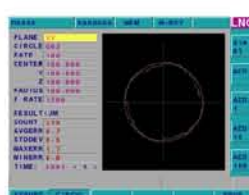
- Max. 6 islands inside a contour.
- Adopts the "arachnoid" pocketing method.
- DXF import.

Conversational Function



- Drilling/ Facing/ Pocketing/ Side-Cutting.
- Multi-Process Scheduling.
- Project Saving & Restoring.
- Graphic conversational programming.

Ball Bar Test



- Automatic ball bar test.
- On-screen display of test result.

Software Panel



- Rapid setup of multiple functions by the soft panel.

SPECIFICATIONS

1 . Control Axes	
- 1. Control Axes(Feed)	6th Optional
2 . Display/Program Data Interfaces	
- 1.Display	
10.4"TFT Display	Standard
-2. Status Display	
Operation Status	Standard
Parameter Setting	Standard
Operation Time	Standard
Language Selection: English/ Traditional/ Simplified Chinese	Standard
Manual Data Input	Standard
Operation / Parameter Hint	Standard
Part Counts	Standard
-3.Program Data Interfaces	
RS232 (DNC)	Standard
Program Memory on CF card	Standard
MDI Input	Standard
Ethernet Disk Sharing	Standard
3 . Command Input	
- 1.Input Unit	
1µm / 0.0001 in /0.001"	Standard
Least Input Increment	
1µm / 0.0001 in /0.001"	Standard
Least Command Unit	
- 2.Unit System	
Metric/Inch System Conversion (G20,G21)	Standard
-3.Numerical Format	
Decimal Input	Standard
Absolute/Incremental Command (G90,G91)	Standard
4 . Interpolation	
- 1.Interpolation	
Linear Interpolation (G01)	Standard
Circular Interpolation (G02,G03)	Standard
Helical Interpolation (G02,G03)	Standard
C Axis Tangential Following	Standard
5 . Feed Function	
- 1.Feed Rate	
Rapid Traverse(m/min) (G00)	Standard
Cutting Feed Rate(m/min)	Standard
Jog Feed Rate(m/min)	Standard
-2.Feed Rate Format	
Feed per Minute	Standard
-3.Feed Rate Override	
Rapid Traverse Override	Standard
Cutting Feed Rate Override	Standard
-4.Acceleration/Deceleration	
G00 Acc/Dec(Linear/S Curve)	Standard

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G01 Acc/Dec (Exponential/S Curve)	Standard
Automatic Corner Deceleration	Standard
G02/03 Feedrate Clamping	Standard
-5.Thread Cutting	
Rigid Tapping	Standard
-6.Manual Feed	
Manual Rapid Traverse	Standard
Manual Jog Feed	Standard
Handwheel(MPG)	Standard
- 7.Dwell	
Dwell in sec (G04)	Standard
Dwell in ms (G04)	Standard
6 . Program Memory/Editing	
- 1.Memory Capacity	
RAM 64MB(Expandable)	Standard
Compact Flash Card 64MB(Expandable)	Standard
Hard Disk Storage(Optional)	Standard
- 2.Editing	
Program Editing	Standard
Background Editing	Standard
7 . Spindle, Tool and Auxillary Functions	
- 1.Spindle Function	
Spindle Control (Pulse Command)	Standard
Spindle Control (Velocity Command)	Standard
S Code Output	Standard
Spindle Orientation Gear-Change Function	Standard
- 2.Tool Function	
Spindle Tool Display	Standard
Tool Compensation (G40~G44,G49)	Standard
ATC Tool Table ATC	Standard
-3.Auxillary Function	
M Code Output	Standard
(FIN)Auxillary Function Finish	Standard
8 . Machine Auxillary Functions	
- 1.PLC	
PLC High Speed/Normal Mode	Standard
Embedded PLC Functions	Standard
PLC Axis Control	Standard
Diagnostic Display	Standard
Ladder Diagram Display	Standard
9 . Safety & Maintenance	
- 1.Safety Protection	
Emergency Stop	Standard
Hardware Limit	Standard
Software Limit	Standard
-2.Troubleshooting	
PLC Error Message Display	Standard
PLC Operation Message Display	Standard
Programming Error Display	Standard
Operation Error Display	Standard