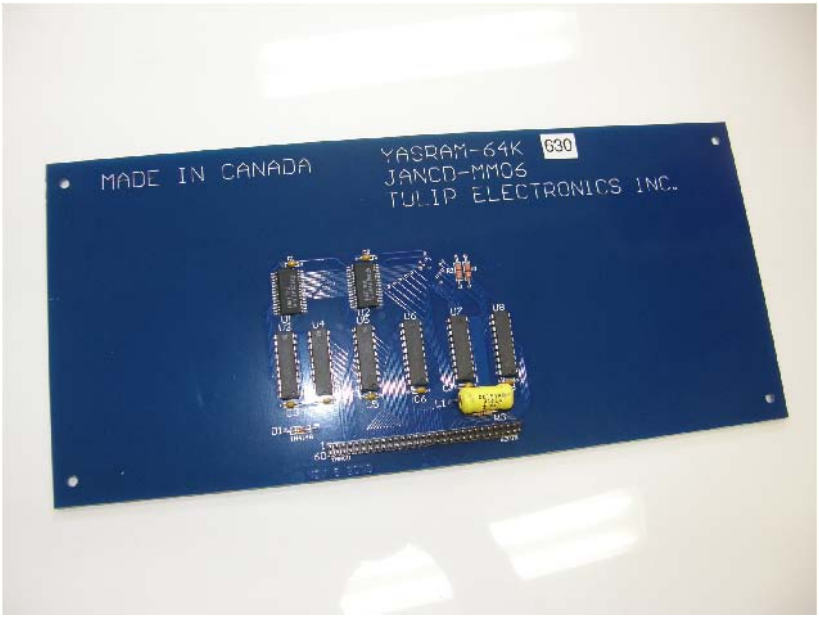
YASNAC MX1 MEMORY INSTALLATION MANUAL

Installation Instructions And Operator Manual for Rev3



CHAPTER 2: INTRODUCTION

The Yasnac MX1 CNC has two distinct memory boards, MM01B+MM05 and MM01C-02, which can be upgraded to 320 Metres. This is done by adding the 64KB Nexas supplied daughter board to the existing system so that the total memory of 128KB or 320 Metres will result.

CHAPTER 3: BACKUP YOUR CONTROL

Before starting the installation, power on the control and verify that the machine tool is in good working order. If the control has a system error, or the memory is inoperable, you will have to replace your memory board with the new Yasnac MX/LX-1 memory, and restore the information from existing backup sources.

Important!

Check and backup if necessary the following memory contents: NC parameters, Diagnostic Tooling information, Tool Offsets, and Part Programs (if needed). In upgrading the Part Program memory with our MX/LX-1 memory board, only the part programs need to be backed up -although it is recommended that a full backup of all the control's data be backed-up. For this reason, it is essential that the Part-Programs be backed up properly on the computer via the RS-232 serial port. Use the following procedures to save the data on a computer. If in doubt, consult your Yasnac manuals, as they are your ultimate authority on your particular version of control.

Set up your computer to receive data through its COM port and connect it to your Yasnac control. Set the communication parameters on your PC for 7 data bits, and the stop bits and baud rate as determined by the applicable parameters for your control.

CNC Control

PRELIMINARY BACKUP OF THE CONTROL AND SETTINGS

1. CAREFULLY WRITE DOWN THE FOLLOWING PARAMETERS

Macro Interlock	**Parameter**	**Bit**	
8000 program edit	6004	3	? 1=: Cannot be edited or displayed
8000 program display	6004	4	?
9000 program edit	6021	7	? 0=: Can be edited or displayed
9000 program display	6022	5	?
Interface			
RS 232 C 1st input	6003	0	?
RS 232 C 1st output	6003	4	?
RS 232 C 2nd input	6003	1	?
RS 232 C 2nd output	6003	5	?
Baud rates 1st			
RS 232 input	6026	0	?
RS 232 input	6026	1	?
RS 232 input	6026	2	?
RS 232 input	6026	3	?
Baud rates			
RS 232 output	6028	0	?
RS 232 output	6028	1	?
RS 232 output	6028	2	?
RS 232 output	6028	3	?
Stop bit length	6026	4	?
Baud rates 2nd			
RS 232 input	6027	0	?
RS 232 input	6027	1	?
RS 232 input	6027	2	?
RS 232 input	6027	3	?
Baud rates			
RS 232 output	6029	0	?
RS 232 output	6029	1	?
RS 232 output	6029	2	?
RS 232 output	6029	3	?
Stop bit length	6027	4	?

NOTE: ONLY ONE RS 232 C INTERFACE CAN BE SELECTED (1ST OR 2ND)

2. LOCATE THE SYSTEM SWITCH (This is generally located in the control cabinet above the MX2 Control Rack, but sometimes can be located in the tape reader)

3. SET THE SYSTEM SWITCH TO -4

4. SET PARAMETER 6004 BIT 3 TO = 0

5. SET PARAMETER 6004 BIT 4 TO = 0

6. SET PARAMETER 6021 BIT 7 TO = 0

7. SET PARAMETER 6022 BIT 5 TO = 0

8. SET PARAMETERS FOR RS 232C COMMUNICATIONS

9. SET THE SYSTEM SWITCH BACK TO --0

10. BACK UP PROGRAM DATA --EDIT MODE, EDIT KEY DISABLE, PRGM KEY, 0-9999 OUT KEY

11. BACK UP OFFSET DATA -EDIT MODE, EDIT KEY DISABLE, OFST KEY, OUT KEY

12. BACK UP SETTING DATA -EDIT MODE, EDIT KEY DISABLE, SET KEY, OUT KEY

13. BACK UP PARAMETER SETTING DATA -EDIT MODE, EDIT KEY DISABLE, PRM KEY, OUT KEY

CHAPTER 4: YASNAC MX/LX-1 INSTALLATION PROCEDURE

Time Needed: About 1 hour
Tools Needed: 1 Philips Screwdriver
1 Small Slot Screwdriver
Components: 1 Tulip MX/LX-1Memory Board
1 Set of Instructions Controls: Yasnac MX/LX-1

1. Before starting the installation, power on the control and verify that the machine tool is in good working order.

Important!

2. Make sure that you have a current backup of the NC parameters, Tool Offsets and Part Programs. For instructions on downloading your control's information, refer to Chapter 3 entitled "Backup Your Control" in this manual.

INSTALLING THE NEW TULIP MM06 MEMORY CARD

1. POWER OFF THE CONTROL

2. LOCATE THE JANCD-MM01 PCB or JANCD MM01C-02

3. LOCATE THE MEMORY PCB (JANCD-MM06) if present

4. REPLACE THE EXISTING BOARD WITH THE NEW ONE, MAE SURE THE PCB IS SECURELY SEATED ON THE CONNECTOR AND ALL 4 SCREWS ARE SECURELY IN PLACE

5. POWER ON

6. SET THE SYSTEM SWITCH TO -4

7. WRITE DOWN THE EXISTING SETTINGS FOR PARAMETER 6041.

	BIT3	BIT2	BIT1	BIT0
6041				

8. CHANGE THE SETTINGS FOR PARAMETER 6041 TO THE FOLLOWING:

	BIT3	BIT2	BIT1	BIT0
6041	0	1	0	1

9. PROGRAM PAGE TYPE 0-9999 ERASE

10. CONTROL POWER OFF

11. SET SYSTEM SWITCH TO -7

12. CONTROL POWER ON

13. YOU WILL SEE A REGENERATION MENU

14. YOU WILL WANT TO REGENERATE THE PROGRAM MEMORY

15. PRESS "RESET, NEXT, and PRGM" KEYS IN SEQUENTIAL ORDER

16. SET SYSTEM SWITCH TO -0

17. CONTROL POWER OFF

18. CONTROL POWER ON

19. PROGRAM PAGE TYPE 0-9999 ERASE

20. CHECK THE DIRECTORY PAGE, THE DIRECTORY WILL INDICATE IN THE LOWER LEFT HAND CORNER THE AMOUNT OF MEMORY IN BYTES (THIS SHOULD READ 120K OR ABOVE)

21. RELOAD THE PROGRAMS AND OFFSETS AND CHECK THE OPERATION.

22. SET THE SYSTEM SWITCH TO – 4

23. SET THE FOLLOWING PARAMETER BACK TO THEIR ORIGINAL SETTINGS THAT YOU WROTE DOWN EARLIER.

6004	BIT	3
6004	BIT	4
6021	BIT	7
6022	BIT	5

24. SET THE COMMUNICATION PARAMETERS BACK TO THEIR ORIGINAL SETTINGS

25. SET THE SYSTEM SWITCH TO --0

26. TEST THE MEMORY. DO THIS BY LOADING IN PROGRAMS UNTIL THE MEMORY IS FULL.

NOTE: THESE CONTROLS ARE RIGID IN PROCEDURE, YOU MUST DO THIS PROCEDURE COMPLETELY AND IN THE SEQUENCE DESCRIBED. IF YOU GET ANYTHING BUT THE DESIRED RESULT REPEAT THE COMPLETE PROCEDURE AGAIN

Memex Automation Inc.

200 – 3425 Harvester Rd.,

Burlington, Ontario

Canada L7N 3N1

Phone: 905-635-3040 Fax: 905-631-9640

www.memex.ca

Sales: (905) 635-3043

Support: (905) 635-3041

Thank you for using Memex products.