

## Procedure for Memory Card access in Oi-F CNC system

1. Press 'Prog' function key and select 'FOLDER'

PROGRAM FOLDER 02158 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/	
B. G. FLD	//CNC_MEM/USER/PATH1/	
USED PG	7 [KBYTE]	USED FL 24
FREE PG	530 [KBYTE]	FREE FL 987

DEVICE : CNC\_MEM ( /USER/PATH1/ )

RETURN TO UPPER FOLDER

1	1 [KBYTE]
00001	1 [KBYTE]
05000	1 [KBYTE]
00030	1 [KBYTE]
00031	1 [KBYTE]
00010	1 [KBYTE]

A) ^

EDIT \*\*\*\*\* 15:03:16

PRGRM FOLDER NEXT CHECK (OPRT) +

2. Select OPRT and press  to navigate the following options and select 'DEVICE'

PROGRAM FOLDER 00091 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/	
B. G. FLD	//CNC_MEM/USER/PATH1/	
USED PG	7 [KBYTE]	USED FL 25
FREE PG	530 [KBYTE]	FREE FL 986

DEVICE : CNC\_MEM ( /USER/PATH1/ )

RETURN TO UPPER FOLDER

1	1 [KBYTE]
00001	1 [KBYTE]
05000	1 [KBYTE]
00030	1 [KBYTE]
00031	1 [KBYTE]
00010	1 [KBYTE]

A) \_

EDIT \*\*\*\*\* 15:16:03

< DEVICE PRGSRH MAIN DETAIL +

3. Now press  for the following option and select 'M-CARD'

PROGRAM FOLDER 00091 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/	
B. G. FLD	//CNC_MEM/USER/PATH1/	
USED PG	7 [KBYTE]	USED FL 25
FREE PG	530 [KBYTE]	FREE FL 986

DEVICE : CNC\_MEM ( /USER/PATH1/ )

RETURN TO UPPER FOLDER

1	1 [KBYTE]
00001	1 [KBYTE]
05000	1 [KBYTE]
00030	1 [KBYTE]
00031	1 [KBYTE]
00010	1 [KBYTE]

A) \_

EDIT \*\*\*\* \*\* 15:16:30

< M-CARD USBMEM +

4. Memory Card directory will appear as follows:

MEMORY CARD 02158 N00000

DNC FILE

REG NUM 6

DEVICE : M\_CARD

0001	15100709. BMP	151 [KBYTE]
0002	15100710. BMP	151 [KBYTE]
0003	15100711. BMP	151 [KBYTE]
0004	15100712. BMP	151 [KBYTE]
0005	067	1 [KBYTE]
0006	15100713. BMP	151 [KBYTE]

A) ^

EDIT \*\*\*\* \*\* 15:11:23

< F SRH F INPT FOUTPT DELETE NEW +

## Procedure for NC Program copy from One File to Another

1. Press 'Prog' function key and select 'FOLDER'

PROGRAM FOLDER 02158 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/		
B. G. FLD	//CNC_MEM/USER/PATH1/		
USED PG	7 [KBYTE]	USED FL	24
FREE PG	530 [KBYTE]	FREE FL	987

DEVICE : CNC\_MEM ( /USER/PATH1/ )

RETURN TO UPPER FOLDER

1	1 [KBYTE]
O0001	1 [KBYTE]
O5000	1 [KBYTE]
O0030	1 [KBYTE]
O0031	1 [KBYTE]
O0010	1 [KBYTE]

A) ^

EDIT \*\*\*\* \*\*

15:03:16

PRGRM FOLDER NEXT CHECK (OPRT) +

2. Navigate to the file that needs to be copied and Select OPRT.

PROGRAM FOLDER 00000 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/		
B. G. FLD	//CNC_MEM/USER/PATH1/		
USED PG	7 [KBYTE]	USED FL	25
FREE PG	530 [KBYTE]	FREE FL	986

DEVICE : CNC\_MEM ( /USER/PATH1/ )

RETURN TO UPPER FOLDER

1	1 [KBYTE]
O0001	1 [KBYTE]
O5000	1 [KBYTE]
O0030	1 [KBYTE]
O0031	1 [KBYTE]
O0010	1 [KBYTE]


A) \_

MDI \*\*\*\* \*\*

16:45:22

DEVICE PRGSRH MAIN DETAIL +



3. Now press  to navigate following option and select 'COPY'

PROGRAM FOLDER O0000 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/	
B. G. FLD	//CNC_MEM/USER/PATH1/	
USED PG	7 [KBYTE]	USED FL 25
FREE PG	530 [KBYTE]	FREE FL 986

DEVICE : CNC\_MEM ( /USER/PATH1/ )

RETURN TO UPPER FOLDER

1	1 [KBYTE]
O0001	1 [KBYTE]
O5000	1 [KBYTE]
O0030	1 [KBYTE]
O0031	1 [KBYTE]
O0010	1 [KBYTE]

A) \_

MDI \*\*\*\*\* 16:45:37

[SELECT] COPY CUT PASTE +

4. Type the new file name required and select 'PASTE'.

PROGRAM FOLDER O0000 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/	
B. G. FLD	//CNC_MEM/USER/PATH1/	
USED PG	7 [KBYTE]	USED FL 25
FREE PG	530 [KBYTE]	FREE FL 986

DEVICE : CNC\_MEM ( /USER/PATH1/ )

RETURN TO UPPER FOLDER

1	1 [KBYTE]
O0001	1 [KBYTE]
O5000	1 [KBYTE]
O0030	1 [KBYTE]
O0031	1 [KBYTE]
O0010	1 [KBYTE]

A) O3361\_

MDI \*\*\*\*\* 16:46:20

[SELECT] COPY CUT PASTE +

5. Program from file 'O0030' will be copied to the file 'O3361'.

```
PROGRAM (WORD)                                O0000 N00000

//CNC_MEM/USER/PATH1/
O3361 (BG-EDIT)
O3361 ;
G0 G90 G95 G55 X0 Y0 M3 S1000 ;
G43 Z50 H0 ;
Z3 ;
G1 Z-0.1 F1 ;
G1 G42 X-10.5 Y0.0 D1 F0.15 ;
G2 I10.5 J0.0 ;
G1 G40 X0 Y0 F1 ;
G0 Z100 ;
M30 ;

A) _

MDI **** ** 16:47:16
PRGRM FOLDER NEXT CHECK (OPRT) +
```

## Procedure for Transferring NC Program in 0-iF From CNC to Memory Card

1. Press 'Prog' function key and select 'FOLDER'

PROGRAM FOLDER		O2158 N00000	
F. G. FLD	//CNC_MEM/USER/PATH1/		
B. G. FLD	//CNC_MEM/USER/PATH1/		
USED PG	7 [KBYTE]	USED FL	24
FREE PG	530 [KBYTE]	FREE FL	987
DEVICE : CNC_MEM ( /USER/PATH1/ )			
RETURN TO UPPER FOLDER			
1	1 [KBYTE]		
O0001	1 [KBYTE]		
O5000	1 [KBYTE]		
O0030	1 [KBYTE]		
O0031	1 [KBYTE]		
O0010	1 [KBYTE]		

A) ^

EDIT *****		15:03:16	
PRGRM	FOLDER	NEXT	CHECK (OPRT) +

2. Select OPRT and press  to navigate the following options.

PROGRAM FOLDER		O2158 N00000	
F. G. FLD	//CNC_MEM/USER/PATH1/		
B. G. FLD	//CNC_MEM/USER/PATH1/		
USED PG	7 [KBYTE]	USED FL	24
FREE PG	530 [KBYTE]	FREE FL	987
DEVICE : CNC_MEM ( /USER/PATH1/ )			
RETURN TO UPPER FOLDER			
1	1 [KBYTE]		
O0001	1 [KBYTE]		
O5000	1 [KBYTE]		
O0030	1 [KBYTE]		
O0031	1 [KBYTE]		
O0010	1 [KBYTE]		

A) ^

EDIT *****		15:03:51	
FORE	BACK	F INPT	FOUTPT ATTR +

3. Select 'FOUTPT' then Navigate to the file which needs to be transferred and press for the following option.

```


PROGRAM FOLDER                                02158 N00000
F. G. FLD  //CNC_MEM/USER/PATH1/
B. G. FLD  //CNC_MEM/USER/PATH1/

USED PG      7 [KBYTE]    USED FL      24
FREE PG     530 [KBYTE]   FREE FL     987

DEVICE : CNC_MEM ( /USER/PATH1/ )
RETURN TO UPPER FOLDER
1 1 [KBYTE]
00001 1 [KBYTE]
05000 1 [KBYTE]
00030 1 [KBYTE]
00031 1 [KBYTE]
00010 1 [KBYTE]

A) ^
P: /F:
EDIT ***** 15:07:03
[P GET]

```

4. Select 'P GET' and press . Now select 'P SET' and type the required file name and select 'F SET' as follows.

```

PROGRAM FOLDER                                02158 N00000
F. G. FLD  //CNC_MEM/USER/PATH1/
B. G. FLD  //CNC_MEM/USER/PATH1/

USED PG      7 [KBYTE]    USED FL      24
FREE PG     530 [KBYTE]   FREE FL     987

DEVICE : CNC_MEM ( /USER/PATH1/ )
RETURN TO UPPER FOLDER
1 1 [KBYTE]
00001 1 [KBYTE]
05000 1 [KBYTE]
00030 1 [KBYTE]
00031 1 [KBYTE]
00010 1 [KBYTE]
A) ^
P:00030 /F:067
EDIT ***** 15:08:07
[F SET] [P SET] [CAN] [EXEC]

```



5. Now select 'EXEC' to transfer the file selected in P SET, with given File name in F SET. In the above example file 'O0030' in Memory card will be transferred to the CNC with file name 'O67'.



## Procedure for Transferring NC Program in 0-iF From Memory Card to CNC

1. Press 'Prog' function key and select 'FOLDER'

PROGRAM FOLDER O2158 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/		
B. G. FLD	//CNC_MEM/USER/PATH1/		
USED PG	7 [KBYTE]	USED FL	24
FREE PG	530 [KBYTE]	FREE FL	987
DEVICE : CNC_MEM ( /USER/PATH1/ )			
RETURN TO UPPER FOLDER			
1	1 [KBYTE]		
O0001	1 [KBYTE]		
O5000	1 [KBYTE]		
O0030	1 [KBYTE]		
O0031	1 [KBYTE]		
O0010	1 [KBYTE]		

A) ^

EDIT \*\*\*\*\* 15:03:16

PRGRM FOLDER NEXT CHECK (OPRT) +

2. Select OPRT and press  to navigate the following options and select 'DEVICE'

PROGRAM FOLDER O0091 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/		
B. G. FLD	//CNC_MEM/USER/PATH1/		
USED PG	7 [KBYTE]	USED FL	25
FREE PG	530 [KBYTE]	FREE FL	986
DEVICE : CNC_MEM ( /USER/PATH1/ )			
RETURN TO UPPER FOLDER			
1	1 [KBYTE]		
O0001	1 [KBYTE]		
O5000	1 [KBYTE]		
O0030	1 [KBYTE]		
O0031	1 [KBYTE]		
O0010	1 [KBYTE]		

A) \_

EDIT \*\*\*\*\* 15:16:03

< DEVICE PRGSRH MAIN DETAIL +



3. Now press  for the following option and select 'M-CARD'

PROGRAM FOLDER O0091 N00000

F. G. FLD	//CNC_MEM/USER/PATH1/		
B. G. FLD	//CNC_MEM/USER/PATH1/		
USED PG	7 [KBYTE]	USED FL	25
FREE PG	530 [KBYTE]	FREE FL	986

DEVICE : CNC\_MEM ( /USER/PATH1/ )

RETURN TO UPPER FOLDER

1	1 [KBYTE]
O0001	1 [KBYTE]
O5000	1 [KBYTE]
O0030	1 [KBYTE]
O0031	1 [KBYTE]
O0010	1 [KBYTE]

A) \_

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{	M-CARD	USBMEM					+
---	--------	--------	--	--	--	--	---

4. Select 'F INPT', then Navigate to the file which needs to be transferred

MEMORY CARD O2158 N00000

DNC FILE

REG NUM 6

DEVICE : M\_CARD

0001	15100709. BMP	151 [KBYTE]
0002	15100710. BMP	151 [KBYTE]
0003	15100711. BMP	151 [KBYTE]
0004	15100712. BMP	151 [KBYTE]
0005	O67	1 [KBYTE]
0006	15100713. BMP	151 [KBYTE]

A) ^

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{	F SRH	F INPT	FOUTPT	DELETE	NEW	+
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5. Now press  for the following option and press 'F GET'

MEMORY CARD O2158 N00000

DNC FILE

REG NUM 7

DEVICE : M\_CARD

0001	15100709. BMP	151 [KBYTE]
0002	15100710. BMP	151 [KBYTE]
0003	15100711. BMP	151 [KBYTE]
0004	15100712. BMP	151 [KBYTE]
0005	067	1 [KBYTE]
0006	15100713. BMP	151 [KBYTE]
0007	15100714. BMP	151 [KBYTE]

A) 067^

P: /F:

EDIT \*\*\*\* \*\* 15:12:37

{ F GET +

6. Select 'F GET' and press  . Now select 'F SET' and type the required file name

MEMORY CARD O2158 N00000

DNC FILE

REG NUM 9

DEVICE : M\_CARD

0001	15100709. BMP	151 [KBYTE]
0002	15100710. BMP	151 [KBYTE]
0003	15100711. BMP	151 [KBYTE]
0004	15100712. BMP	151 [KBYTE]
0005	067	1 [KBYTE]
0006	15100713. BMP	151 [KBYTE]
0007	15100714. BMP	151 [KBYTE]
0008	15100715. BMP	151 [KBYTE]

A) 00091\_

P: /F: 067

EDIT \*\*\*\* \*\* 15:14:00

{ F SET P SET CAN EXEC +

7. Now Select 'P SET' and Select 'EXEC' to transfer the file selected in F SET with given File name in P SET. In the above example file 'O67' in Memory card will be transferred to the CNC with file name 'O0091'.



## Procedure to check I/O signal in 0-iF CNC

1. Press 'system' button in Fanuc key board

PARAMETER O1947 N00000

00000	0	0	0	0	0	0	1	0
			SEQ			INI	ISO	TVC
00001	0	0	0	0	0	0	0	0
							FCV	
00002	0	0	0	0	0	0	0	0
	SJZ							
00010	0	0	0	0	0	0	0	0
						PEC	PRM	PZS
00012	0	0	0	0	0	0	0	0
	RMV							MIR
X	0	0	0	0	0	0	0	0
Z	0	0	0	0	0	0	0	0

A) ^

EDIT \*\*\*\*\* 15:10:36

PARAM DGNOS S-GUID SYSTEM (OPRT) +

2. Press  two (2) times

PARAMETER O1947 N00000

00000	0	0	0	0	0	0	1	0
			SEQ			INI	ISO	TVC
00001	0	0	0	0	0	0	0	0
							FCV	
00002	0	0	0	0	0	0	0	0
	SJZ							
00010	0	0	0	0	0	0	0	0
						PEC	PRM	PZS
00012	0	0	0	0	0	0	0	0
	RMV							MIR
X	0	0	0	0	0	0	0	0
Z	0	0	0	0	0	0	0	0

A) ^

EDIT \*\*\*\*\* 15:11:33

PMCMNT PMCLAD PMCCNF +

## 3. Press PMCMNT

PMC MAINTENANCE RUN \*\*\*

PMC SIGNAL STATUS									
ADDRESS	7	6	5	4	3	2	1	0	HEX
A0000	1007	1006	1005	1004	1003	1002	1001	1000	00
A0001	1017	1016	1015	1014	1013	1012	1011	1010	00
A0002	1027	1026	1025	1024	1023	1022	1021	1020	00
A0003			1035	1034	1033	1032	1031	1030	00
A0004				1044		1042			00
A0005			1055	1054	1053	1052	1051	1050	00

A0000 : ( )

A > X ^

EDIT \*\*\*\* \* \* \* \* 15:13:43

< SEARCH DEC FORCE >

## 4. Enter address & search

PMC MAINTENANCE RUN \*\*\*

PMC SIGNAL STATUS									
ADDRESS	7	6	5	4	3	2	1	0	HEX
X0000	LUBPRS	LUBFSW	TQRTPS	TQFWPS	TQFRFS	CKCLPS	CKOPPS	CHCKFS	64
X0001	CHOTPS	CHINPS	PSMRDY	ZCLTPS	XCLTPS	TUTHSW	TUCLPS	CHTHTP	26
TRFDBK			TFBPAR	TFBSTR	TUFB-8	TUFB-4	TUFB-2	TUFB-1	
X0002									15
X0003	DOORPB	LUBPB	CHIP.R	CHIP.F	CYST-1	CLONOF	TINDPB	RST-PB	00
X0004	SKIP	TPSGNL	-M1T2	+M1T2	-M1T1	+M1T1	ZAE	XAE	00
X0005	SPOVR3	SPOVR2	SPOVR1	SPACPB	SPSTPB	SPCMPB	FHLDPB	CYSTPB	00

X0000 : ( )

A > ^

EDIT \*\*\*\* \* \* \* \* 15:14:12

< SEARCH DEC FORCE >

## Procedure to view PMC ladder in 0-iF CNC

1. Press system button in Fanuc key board

PARAMETER O1947 N00000

000000	0	0	0	0	0	0	1	0
000001	0	0	0	0	0	0	0	0
000002	0	0	0	0	0	0	0	0
000100	0	0	0	0	0	0	0	0
000102	0	0	0	0	0	0	0	0
X	0	0	0	0	0	0	0	0
Z	0	0	0	0	0	0	0	0

A) ^

EDIT \*\*\*\*\* \*\*\* 15:10:36

PARAM DGNOS S-GUID SYSTEM (OPRT) +

2. Press  two times

DIAGNOSE O1947 N00000

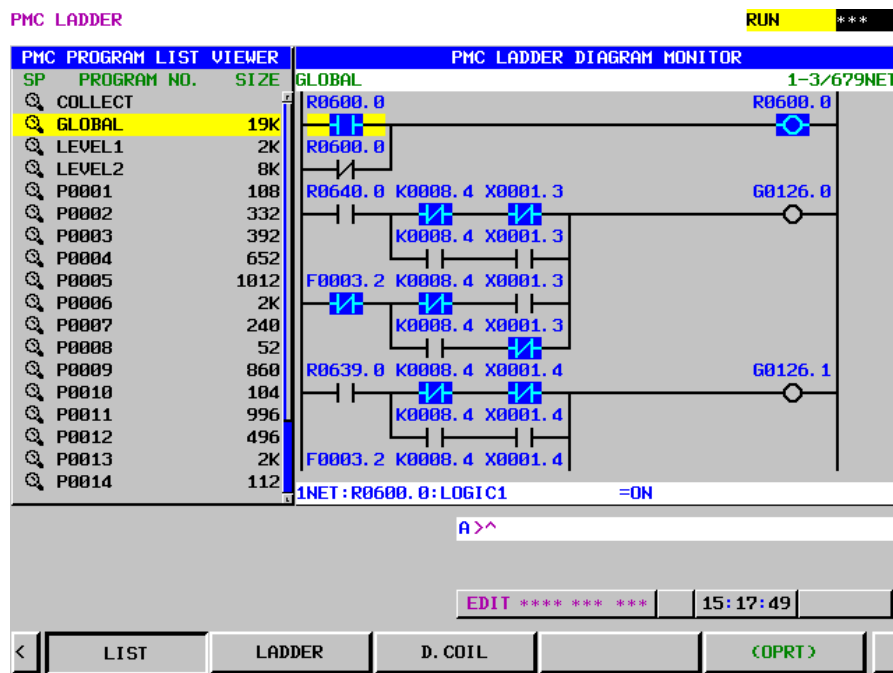
0000	Inposition Check	0
	Feedrate Override 0%	0
	Jog Feed Override 0%	0
	Inter/Start Lock on	0
	Speed Arrival on	0
	Wait Revolution	0
	Stop Position Coder	0
	Feed Stop	0
0002	Dwell	0

A) ^

EDIT \*\*\*\*\* \*\*\* 15:17:20

PMCMNT PMCLAD PMCCNF +

3. Press PMCLAD, Move the cursor on 'GLOBAL' press (OPRT) & ZOOM



4. Enter the required address & search

