

# Robot3D

## ROBOT OFFLINE PROGRAMMING SYSTEM

Robot3D (c) OFF-LINE PROGRAMMING SYSTEM 4.0 100%

APPLIC	DISPLAY	UTILITY	PROGRAM	COORD	INTERP	SETTINGS	RS232
↑	↓	←	→	T	+	-	S
0	1	2	3	4	5	6	7

**COORD:**

FRAME  
JOINT  
WORLD

TOOL  
USER 0

EXTERNAL

**CONTROL**

INS DEL ↑  
1/X 4/A ↓  
2/Y 5/B +  
3/Z 6/C -

VEL POINT  
ACC TEACH  
OVR DATA  
UPDATE  
NODE HOME  
STP H M S

**SIGNALS**

ARC WEAVE  
OUT INPUT  
G1 G2

1 2503.2  
2 -32.1  
3 857.4  
4 -99.6  
5 37.2  
6 -189.6

1 2503.2  
2 -32.1  
3 857.4  
4 -99.6  
5 37.2  
6 -189.6

1 2503.2  
2 -32.1  
3 857.4  
4 -99.6  
5 37.2  
6 -189.6

TIME 00:00:00	DATA:	MRIST: RPY	W_CTRL A	X 3445.6	A 179.999
SP: PNP/PN 21	PROG:	SLIDE: anim	MAN	Y 2626.4	B -0.000
command> COORD				Z 879.3	C 180.000
				D	-99.555

```

FILE MOTION LOGIC SIGNAL OBJECT PAU MP2.PRG
CHG_TOOL "GUN8"
PRINT "EXAMPLE OF INCREMENTAL PROGRAMMING"
PRINT "TAURUS ROBOT"
$viewport 0
M=0
LOAD_OBJ "PART82"
LOAD_OBJ "SUPPORT"
PTP X+2936.6,Y+2626.4,Z+879.8,A+179.999,B+0.000,C+180.000,21
PPA R-5600.0
$pan_tcp
PTP X+2737.7,Y+1695.5,Z+879.8,A+144.999,B+0.000,C+180.000,21
PTP X+2737.7,Y+1095.5,Z+879.8,A+119.999,B+0.000,C+179.999,21
PTP X+2737.7,Y+265.5,Z+879.8,A+119.999,B+0.000,C+179.999,21
$viewport 5
$pan_tcp
delay 1000
PTP X+2877.7,Y+255.5,Z+1009.8,A+119.999,B+0.000,C+179.999,21
GO SUB 44
GO SUB 30
JMP SUB 50,5
PTP X+2877.7,Y+515.5,Z+1009.8,A+119.999,B+0.000,C+179.999,21
GO SUB 30
JMP SUB 50,14
MENU: ALT+KEY
OVR 7152 free 0001:01
    
```



NEUTRAL LANGUAGE

LISTING - pav\_mp2.ird

```

0 00001,22100,2,0,1,'HP50';
1 00002,28000,DEF MP50;
2 00003,28000,TOF 8;
3 00004,28000,REM EXAMPLE OF INCREMENTAL PROGRAMMING;
4 00005,28000,REM TAURUS ROBOT;
5 00006,28000,PTP X+2936.6 Y+2626.4 Z+879.8A+179.999 B+0.000 C+180.000A R1P R
6 N R3P R4N R5P R6NPHI+90.001;
7 00007,28000,AAK ON RCS;
8 00008,28000,PPA X+2936.6 Y+2626.4 Z+879.8A+179.999 B+0.000 C+180.000A R1P R
9 N R3P R4N R5P R6NPHI+90.001A1-5600.0;
10 00009,28000,AAK OFF;
11 00010,28000,PTP X+2737.7 Y+1695.5 Z+879.8A+144.999 B+0.000 C+180.000A R1P R
12 N R3P R4N R5P R6NPHI+125.001;
13 00011,28000,PTP X+2737.7 Y+1095.5 Z+879.8A+119.999 B+0.000 C+179.999A R1P R
14 N R3P R4N R5P R6NPHI+150.001;
15 00012,28000,PTP X+2737.7 Y+265.5 Z+879.8A+119.999 B+0.000 C+179.999A R1P R2
16 R3P R4N R5P R6NPHI+150.001;
17 00013,28000,WAI T10 TS;
18 00014,28000,PTP X+2877.7 Y+255.5 Z+1009.8A+119.999 B+0.000 C+179.999A R1P R
19 N R3P R4N R5P R6NPHI+150.001;
    
```

OFFLINE PROGRAM