

ID118695  
cspsVer.10.0.3 2016-03-29 10:03:42  
(Zip Format Install)

OSP Software Management Data Card

----- cf. Attached Approval List -----

=====[ Machine Data  
]=====

< Type of OSP > OSP-P300L  
< Type of Machine > 2SP-150H  
2SP  
V12,V12  
< Soft Production No > #00477  
< Project No > P194964  
< Software Production Date > 2016-03-29

=====[ Customer Data  
]=====

< Name > O.A.C.  
< Address > USA  
< Phone >  
< Customer > O.A.C.  
< Address > USA  
< Phone >

=====[ NOTE  
]=====

< Note NO.1 >  
< Special Spec > LC3  
< Comment >

[ Not attached Windows System Disk ]  
=====[ DVD Media Version Data  
]=====

[ Windows System CD Version ]  
01

[ OSP System CD Version ]  
01

=====[ Soft Version Excepted OSP System CD

]=====

[ Windows System Version ]

6.0.1.P

[ Custom API Additional DVD Version ]

App\_THINC\_API V1.18.0.0\_P

=====[ Package Soft composition

]=====

[ NC INSTALLER ]

INST107G

[ REALTIME OS DRIVER ]

VDRV202A

[ VPS INSTALLER ]

VPSI504A

\*\*START

[ REALTIME OS ]

VSYS300P

[ NC CONTROL ]

LNC-386P-P300A

ccdrps-pv1.35  
150H><P194964>

- 1/10 - <W01><O01><

2SP-

[ NC CONTROL MESSAGE ]

LNC-386P-ENG-P300A

[ PLC SYSTEM ]

PLCS201G

[ PLC SYSTEM MESSAGE ]

[N/A]

[ NC ALARM HELP ]

LPA-304D-ENG

[ NC MAMUAL ]

LPM-350A-ENG

[ P100 TOOL ]

UTY-005C

[ PLC CONTROL ]

LC3-Z050A

[ ONE TOUCH IGF ]

[N/A]

[ ONE TOUCH IGF MESSAGE ]

[N/A]

[ VERTICAL FUNCTION KEY ]

SVFKA500F

[ VERTICAL FUNCTION KEY MESSAGE ]

LVFKA600A

[ IT PLAZA APPLICATION COMMON ]

SITP300A

[ EASY MODELLING ]

SOECA339F

[ CUSTOM API ]

LCAPI-003R

[ SAFETY CONTROL ]

SFTY003L

[ OSP SUITE ]

SUITE001P

[ OSP SUITE UTILITY ]

SUITEUTY001D

ccdrps-pv1.35 - 2/10 - <W01><O01>< 2SP-  
150H><P194964>

=====[ NC Custom Soft composition  
]=====

[ LPP ]

C:\OSP-P\P-MANUAL\LPP\ENG\LPP619J-ENG.CNT  
C:\OSP-P\P-MANUAL\LPP\ENG\\*

[ HMI ]

C:\OSP-P\HMI\PDSN401-LC003Y.DLL  
C:\OSP-P\HMI\ENG\PDSN401-LC003YEN.DLL  
C:\OSP-P\HMI-REG\PSRD401-LC003Y.REG  
C:\OSP-P\HMI-REG\PSRN401-LC003Y.REG  
C:\OSP-P\HMI\PDS401-LC003Y.DLL  
C:\OSP-P\HMI\ENG\PDS401-LC003YEN.DLL  
C:\OSP-P\HMI\PDSP401-LU200R.DLL  
C:\OSP-P\HMI\ENG\PDSP401-LU200REN.DLL

[ PBU-DAT ]

C:\PBU-DAT\LHDBKST-1200A.PBU  
C:\PBU-DAT\LALMHSA-1202A.PBU  
C:\PBU-DAT\LALMHSA-1202A.PBU  
C:\PBU-DAT\LALMHSA-1202A.PBU  
C:\PBU-DAT\LMCNDTA-1202B.PBU  
C:\PBU-DAT\LMCNDTB-1202B.PBU  
C:\PBU-DAT\LPRM01A-1208I.PBU  
C:\PBU-DAT\LPRM01B-1208I.PBU  
C:\PBU-DAT\PLCUA21-LJE01L.PBU  
C:\PBU-DAT\LLDALHA-1202A.PBU  
C:\PBU-DAT\LLDALHB-1202A.PBU  
C:\PBU-DAT\LLDMCNA-1201A.PBU  
C:\PBU-DAT\LLDMCNB-1201A.PBU  
C:\PBU-DAT\LLDPRMA-1201A.PBU  
C:\PBU-DAT\LLDPRMB-1201A.PBU  
C:\PBU-DAT\LLDPRGA-1201A.PBU  
C:\PBU-DAT\LLDPRGB-1201A.PBU  
C:\PBU-DAT\PLCUD11-LA001A.PBU  
C:\PBU-DAT\PLCUF11-LA001A.PBU  
C:\PBU-DAT\PLCUH11-LA001A.PBU  
C:\PBU-DAT\LNCUI30-JE001-0B.PBU  
C:\PBU-DAT\LNCUI30-JE001-1B.PBU

[ CNS-DAT ]

C:\OSP-P\TOOLS\SAFETY\SLGC03-LU003L.SEO  
C:\OSP-P\CNS-DAT\AXSPLP5-JE01-B2.CNS  
C:\OSP-P\CNS-DAT\AXSPLN6-WE10-A.CNS  
C:\OSP-P\CNS-DAT\PLCUB11-LA001A.CNS  
C:\OSP-P\CNS-DAT\PLCUC11-LCA101B.CNS  
C:\OSP-P\CNS-DAT\LNCSPEC-1200A.DAT  
C:\OSP-P\CNS-DAT\LNCBSPC-1200A.DAT

C:\OSP-P\CNS-DAT\LLDSPEC-1200A.DAT  
C:\OSP-P\CNS-DAT\PMIO200-LU100J.CNS  
C:\OSP-P\CNS-DAT\ENG\PMCA300-L619J-EN.MSG  
C:\OSP-P\CNS-DAT\PFCUA21-L001C.CNS  
C:\OSP-P\VOLANTE\LOADERLOGO-P300-100A.BMP  
C:\OSP-P\SharedDLL\OSPLANGINI\OSPLANGID-ENG-172A.INI  
C:\OSP-P\SharedDLL\OSPLANGINI\OSPLANG-DEFAULT-ENG-100A.INI  
C:\OSP-P\CNS-DAT\PIOCK11-L002P.DAT  
C:\OSP-P\CNS-DAT\ENG\PIOD21-P194964AE.CNS  
C:\OSP-P\CNS-DAT\SIOD21-P194964A.CNS  
C:\OSP-P\CNS-DAT\PWRD21-P194964A.CNS  
C:\OSP-P\CNS-DAT\PLPWR11-LUA001F.CNS  
C:\OSP-P\CNS-DAT\ERP-A0003.CNS  
C:\OSP-P\CNS-DAT\ENG\LPM1-P194964A-ENG.CNS  
C:\OSP-P\CNS-DAT\SLGCA01-LJE015E1.CNS  
C:\OSP-P\CNS-DAT\SSMPL2-SA-JE004-A.CNS  
C:\OSP-P\CNS-DAT\SSMPL2-SB-JE004-A.CNS  
C:\OSP-P\CNS-DAT\SSMPL2-XA-JE001-A.CNS  
C:\OSP-P\CNS-DAT\SSMPL2-XB-JE001-A.CNS  
C:\OSP-P\CNS-DAT\SSMPL2-ZA-JE001-A.CNS  
C:\OSP-P\CNS-DAT\SSMPL2-ZB-JE001-A.CNS  
C:\OSP-P\CNS-DAT\SSMPL2-TA-JE001-A.CNS  
C:\OSP-P\CNS-DAT\SSMPL2-TB-JE001-A.CNS  
C:\OSP-P\CNS-DAT\AXSPLS1-SA-N-JE201-A-1.CNS  
C:\OSP-P\CNS-DAT\AXSPLS1-SB-N-JE201-A-1.CNS  
C:\OSP-P\CNS-DAT\AXSPLN5-XA-N-JE201-A-2.CNS  
C:\OSP-P\CNS-DAT\AXSPLN5-ZA-N-JE201-A-2.CNS  
C:\OSP-P\CNS-DAT\AXSPLN5-XB-N-JE201-A-2.CNS  
C:\OSP-P\CNS-DAT\AXSPLN5-ZB-N-JE201-A-2.CNS

ccdrps-pv1.35  
150H><P194964>  
[ ETC ]

- 3/10 - <W01><O01><

2SP-

C:\OSP-P\LMNT300H.DEF  
C:\OSP-P\OSPMNGCD.CNC  
C:\OSP-P\TOOLS\SETUPFILES\OSP-P-P2SP-0A.REG  
C:\OSP-P\CNS-DAT\ALMADEF-LJE01C.CNS  
C:\OSP-P\VOLANTE\OSPLOADER-100A.INI  
C:\OSP-P\VOLANTE\LOADERCOMPANYLOGO-100A.BMP

\*\*END



ccdrps-pv1.35  
150H><P194964>

- 4/10 - <W01><O01><

2SP-

=====[ NC-SPEC CODE No.1  
]=====

1100-0004-0101-0000-14C0-0F19-0000-1042

0001-9D52-2900-0000-0101-0006-1060-0000

```
=====
=
SLANT-Y AXIS      - ONE TOUCH IGF ADV- EXTERNAL MEASURE - TOOL CENTER CTRL
-
Y AXIS BY CT-Z    - TAPE DATA IN/OUT o MEASURE RS232C  - Hi-Cut
Pro              -
ABSO SCALE YS     - FD IN/OUT (IBM)   - CEJ MATIC        - SUPER-NURBS
Hi.              -
Y-AXIS BARRIER  - WITHOUT MS-DOS   - SIZE
CATCHER          - NURBS            -
Y HORI.BARRIER   - T-SEPARATE EDIT  - EX.MEASURE BCD   - SUPER Hi-
NC                -
B-AXIS 0.001deg  - DNC-C ETHERNET   - T-SETTER R/L COM - SUPER-NURBS Rac.
-
B-AXIS 1deg      - P-200 SPEC       o                - TOOL-
ID                -
B-AXIS CONTROL   - FL-net           -                - Inverse Time
Feed-
-----
-
ATC                - BUFFER 160M      - TOUCH SETTER     - ST. REST
ZB                -
1CAM-ATC          - BUFFER 320M      - 2ND SP MEASURE   - ST. REST
MID               -
2CAM-ATC          - BUFFER 640M      - TOUCH SETTER AUTO- ST. REST
ZC                -
EXT.ATC HOME POS - BUFFER 1280M     - TOUCH
SENSOR            -
VTM MACHINE       - NO-SSU-RD        o C ZERO OFFSET   - ST.R TOW-
A.B               -
NEW MG.PANEL      - FDD3.5INCH EDIT - Y GAUGING        - ST.R TOW-
A.AUTO            -
PANEL OLD TYPE    - EDIT INTERLOCK   - OPTICAL SENSOR   - ST.R TOW-
A.JOG             -
Y-AXIS TRQUE LIM.- EDIT INTERLOCK C - MEASU.DATA PRT.  - ST. REST TOW-
A.                -
=====
=
HI-G CONTROL      o PROGRAM SELECT   - PITCH ERROR COMP - CE
MARKING           -
PFC              - MG TOOL READY    - IND.PITCH COMP.   - PITCH ER.COMP.SP.-
B-AXIS COMP.     - COMMON VAR. NAME - ABSO SCALE ZA     - NC
DOOR              -
```

X-AXIS COMP.	-	HOME POSITION B	-	ABSO SCALE XA	-	SPEC.
SELECT	-					
WK.CORDINATE 10	-	WARMING UP	-	ABSO SCALE ZB	-	R
SPEC	-					
WK.CORDINATE 50	-	MACHINE LOCK SP.	-	ABSO SCALE XB	-	NOT R
SPEC	o					
TOOL OFFSET 500	-	G00 LINEAR FEED	-	ABSO SCALE CA	-	THERMAL COMP. L2
o						
TOOL LIFE WARN.	-	A/B SYNC. MOTION	-	WITHOUT COMP.	-	THERMAL COMP. L1
-						
-----						
-						
NC TURRET	o	PLANE CONVERSION	-	TURRET POS.COMP.	o	NC
MASTER	-					
OTC TURRET	-	PROFILE GENERAT.	-	TOOL OFFSET 64	-	S-LINK NC
TEST	-					
CAM TURRET	-	CONTOUR CUTTING.	-	TOOL OFFSET 96	-	S-LINK SP
TEST	-					
MANY CHIPS TOOL	-	B-AXIS INTERPOL.	-	TOOL LIFE MNGMNT		
o OH		-				
ABSO SCALE TA	-	SYNCHRO.TAPPING	-	TOOL OFFSET 200	-	NEW OPERAT.PANEL
o						
B-AXIS TURRET	-	FLAT TURNING	-	TOOL WEAR COMP.	o	NO
SERVO	-					
HEAVY TOOLING	-	HELICAL CUTTING	-	TOOL OFFSET SYS.	-	PLC/SFC
PROGRAM	-					
DOUBLE TOOLING	-	SLANT CUTTING	-	TOOL OFFSET		
800 - PLC		-				
=====						
=						
LT MACHINE	-	HOME POSITION	o	0.0001M CONTROL	-	NC
ROBOT	-					
SUB SPINDLE	-	SPINDLE SYNC.TAP	-	I/M SWICTH	o	NC
LOADER	o					
PARALLEL 2 SPNDL	o	TOOL RETRACTION	-	SCRIPT FUNCTION	-	SYSTEM STAT.DISP
o						
PICK OFF UNIT	-	SPIN. FLUCTUATE	o	WINDOWS OPERATION-		OH LOGO
CHANGE	-					
VERTICAL MACHINE	-	NC TORQUE LIMIT.	o	CYCLE TIME CAL.	o	C-AXIS COMP.
2	-					
LAW-V MACHINE	-	THREAD OVERRIDE	-	CYCLE TIME REDUC	-	F
CONVERT	-					
ACC MACHINE	-	GM CODE MCRO	-	CYCLE TIME R.NEW	o	LOST MOTION CMP.
-						
B-TURRET SUB SP.	-	CENTER COMP.	-	NO LOAD DETECT	-	PLR2 LOW
SEQUENCE-						
-----						
-						
MULTIPLE MACHINE	-	LAP4	o	NC WORK COUNTER	o	PROG. TAIL STOCK
-						
B-TURRET M-AXIS	-	NOSE-R 2B	o	WORK CNT.SPECIAL	-	SIMPLE TOW-ALONG
-						
M-AXIS NO C-AX.	-	USER TASK 2	o	NC WORK MONITOR	o	PG. TAIL STOCK B
-						
T/M AXIS SW.	-	EXP.AUTO CHAMF	o	CYCLE TIME CHECK	o	AUTO TAIL
STOCK	-					



L TOOL INDEX - THREAD PNT.OFFST - LOAD MONITOR o TAIL STOCK CLUMP  
 -  
 C-AX.PT.ERR.CMP. - THREAD FEED HOLD - LOAD MONITOR W - NC TAIL  
 STOCK -  
 MULTI-MAGAZINE - ARC THREAD CUT. - MAC MAN COMM. - NC TAIL STOCK  
 TRQ-  
 SYNCHRO. REVERSE - COMMON VAR. 1000 - MAC MAN o MANY CHIPS  
 12 -

=====

=  
 2 SADDLE MACHINE - ONE TOUCH IGF - DNC-T1 o SPINDLE  
 ORIENT. o  
 MIRROR IMAGE - IGF - DNC-T2 - MANY CHIPS  
 4 -  
 Z-W OVER LAP - IGF CONVERT - DNC-T3 - CB-AX. WO MB-AX.  
 -  
 CAM MACHINE - IGF DATA TRANS - DNC-T4 - C SYNC.  
 CONTROL -  
 NEW W-DATA - ONE-TOUCH S/SHEET- DNC-P1 - M-AXIS  
 ORIENT. -  
 SUB MAGAZINE - COL.AVOID.SYSTEM - DNC-P2 - L MULTIPLE  
 MACHIN-  
 H1 TURRET - PROGRAMING HELP o DNC-P3 - R MULTIPLE  
 MACHIN-  
 FLAT BED - HELP o DNC-P4 - HOB  
 CUTTING -

-----

-  
 SERVO LINK NC o STN L.C.D MONO. - DNC-A - SPINDLE MAX  
 IL. o  
 - E100 SPEC. - DNC-B - SP-HEAD  
 IL. -  
 0 OFFSET DETECT - 3D. ANIMATION o DNC-C1 - PARTS CA.  
 IL. -  
 - ACP EXPANSION - DNC-C2 - 1S PARTS CA. IL.  
 -  
 SERVO LINK SPNDL o ANIMATION o DNC-C3 - ZA-W AXIS  
 IL. -  
 SPINDLE ANALOG - S10 SPEC. - DNC-DT - XB-W AXIS  
 IL. -  
 SPINDLE I/O - U100/U10 SPEC. - SMPL.REMOTE DIAG - TURRET ZA-W  
 IL. -  
 NOT NEW R SPEC - OAC MESSAGE - DNC-RT - TAIL-ST.REST IL.  
 -

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ccdrps-pv1.35 - 5/10 - <W01><O01>< 2SP-  
 150H><P194964>  
 =====[ NC-B SPEC CODE No.1  
 ]=====

1000-A301-0000-0010-3000-5100-0000-0000

0000-0280-0000-0000-C000-6D00-0000-0000

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=====
=
COORDINATE CONV. - ATTACHMENT - A-TRT MID. POS. - CAM-AXIS
ICB -
WK.CORDINATE 100 - ATTACHMENT SWIVEL- B-TRT MID. POS. - CAM LE.
LESS -
TOOL OFFSET 999 - MLT MAG. TYPE-C - C-TRT MID.
POS. -
CORDINATE CAL - VTR - CAS HYDRAULIC
TRT-
PROGRAM MESSAGE o LONG BORING BAR
B-
3-D CO. CONV. - 3-D CO. CONV. 2 - LATHE X-
RADIUS -
PROF.GENE.HELI. - 3-D INDEX - OP. BUFFER
EXPAND-
PREMIUM THREAD - L TOOL INDEX SP. - MULTI
TOOL - EtherNet/IP
-----
-
NC TST HI PRECISE- MEAS.DATA COMM.SP- HI-SPEED RESTART
-
NC TST POLS LOW - 3 AXIS MEASURE - L-G IGF
LINK -
NC TST CHECK LESS- M-AXIS MEASURE - BLOCK SKIP MULT.
-
TST 1ST-SP ATT. - M-AXIS INTERPOL. - M-GUIDANCE
2 -
W AXIS CUTTING - BLUM HYBRID SEN. - T-GUIDANCE (MAIN)
-
-
GUIDANCE (SUB) -
NC TST 1st
INCH -
NC TST
INCH -
=====
=
APC - TOUCH SETTER2 - ABCO SCALE
YSB -
NC UNLOADER - STROKE LIMIT RLS - ABSO SCALE
YSC -
WORK SUPPORT - RIGID TOUCH SETR - ABSO SCALE
XC -
MULT.U MATRIX MG - Y-MODE TOUCH SETR- ABSO SCALE
ZC -
L TOOL IDX. SEL - TL BRAK. DETECT.
-
MLT MAG. TYPE-B - AE
SENSOR -
ATC.EX.HP - BLUM
SENSOR -
POT TOOL TABLE - STROKE
DIVIDE -
-----
-

```

MG-AXIS ATC	-	PLC CROSS RAIL	-	B-TRT Y-AXIS	-	STATUS
LOGGER	-					
C-AXIS 1POINT	-	NC CROSS RAIL	-		-	STATUS
MONITOR	-					
RT-AXIS ATC	-	HP CROSS RAIL	-	ZA-ZC AXIS IL	-	RETRACT (ST.MON.)
-	-					
						ADD.
SENSOR	-					
TR. ATC TYPE-A	-		-	3 SADDLE MACHINE		
-	-					
TR. ATC TYPE-B	-		-	C-TRT M-AXIS	-	GATHER
AGING	-					
TR. ATC TYPE-C	-		-	C-TRT SUB SPNDLE		
-	-					
TURRET ATC	-		-	C-TRT Y-AXIS	-	MACHINE
DIAG.	-					

=====

=						
CUSTOM-API	o	TOOL DIRECTION	-	SA AXIS TANDEM	-	2M1L ONE SIDE
CUT-						
OSP-API	-	TOOL DIR COMP.	-	SB AXIS		
TANDEM	-					
USER TASK 3	-	TCPC MACHINE CO.	-	SPINDLE ACCEL		
SET-						
THiNC ALARM	-	TCPC CUT POINT	-	SPINDLE ROT. 0.1		
-						
M-INTELLIGENCE	-	TCPC SUB SPINDLE	-	STEP CUTTING		
FEED-						
M-SPN. FLUCTUATE	-	TCPC LATHE TURN.	-	C-AXIS CLAMP		
AUT.-						
L-GUIDANCE	-	B/C TURRET TRIC	-	TOOL GROOVE		
PROC.-						
M-GUIDANCE	-	SUPER PROF. GENE.-		SP.COL.		
DETECTIONo						

-----

-						
USE TOOL DISP.	o	AXIS ACTIVE STOP	o	CE MARKING STOP	-	EASY OPERAT
PANELo						
MACHINING MODE	o	M-AX LIFE COUNT	-	MFU	o	MULT OPERAT
PANEL-						
NOSE-R DIR CHG	-	0.1u TB/MB AX. SP-		GEOMETRIC COMP.	-	L TOOL MAC
INFORMo						
INTERRUPT PROGRAM-		STRAIGHT. COMP.	-	GEOMETRIC MES.	-	EOP ANM SCALE-UP
o						
INTERRUPT PROG2	-	VAR. LOST MOTION	o			19 INCH
EXTEND	-					
BASE OP. SCREEN	o	SERVO NAVI L	-			ECO
SUITE	o					
TOOL MAC INFORM.	-	RPD FD SPEED SET	o	M-AXIS TORQ. SKIP-		OSP
SUITE	o					
OFFSET BASE FIX	o	TIME CONST SELECT-		TURNING CUT	-	BASEZERO Z
V.MEAS-						

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SERVO ADJUST SP - WORK WEIGHT SET - SELF ST.R 1 - POWER
METER -
TOOL LIFE NOT.SP - Y-AX MANUAL FEED - SELF ST.R
2 - TH.COMP.OILCON -
WORK ROUGH - C-AXIS MANUAL CO.- SELF ST.R
3 -
ST.REST BARRIER - C-AXIS TORQ. SKIP- SELF ST.R 1 REL.
-
WORK POSITION 30 - HOME POSITION C - SELF ST.R 2 REL.
-
NO HIGH LOW TH. - AT ROTATION COMP - SELF ST.R 3 REL.
-
TORQUE WATCH - LONG BORING
BAR - -
TAILSTOCK SP.LOW - TOOL
BASE - -
-----
-
TOOL LIFE NOTICE - SYNC.CONTROL ZA - BELT SLIP CHECK - MAC. TIME SHORT.
-
GOT-HMI - SYNC.CONTROL XA - M BELT SLIP
CHECK-
MEASU.COMP.CLEAR
-
ALARM
MESSAGE - -
OTHER.SYS.WATCH o SDF SEPARATE NC o GEN. OL.
DETECT -
CON BACK SP - SDF SEPARATE SP o NO LOAD DET. EXT - SPIN. OUT.
MON. -
0.1u T/M AXIS SP.- SDF SEPARATE PLC - LOAD MONITOR EXT - SUITE w/o WIDGET
o
LOST MOTION CMP. - FEED AXIS RETRACT- C-AX NOTCH FILTER- REMAI.TIME DISP.
o
=====
=

ccdrps-pv1.35 - 6/10 - <W01><O01>< 2SP-
150H><P194964>
===== [ PLC-SPEC CODE No.1
]=====

4000-0210-000D-0000-0100-2052-0000-0010

0800-0000-8044-0012-0009-8703-204C-0000

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=
ST. REST FIX - HIGH COOLANT - OVERRIDE SPECIAL - L TOOL INDEX
SP -
ST. REST MID - B-TURRET 1MMTR - LOAD MONITOR o TL EXST
COMF.REV.-
ST. REST LOW-T - A-COOLANT 1MMTR - SAFETY TAPE
SW -
ST. REST REL. - COOLANT H/L SP. - NC MASTER - FL-
net -

```

ST. REST OPEN	-	CLNT LEVEL CHECK	o	CYCLE TIME	
RE.NEW	o	-			
ST. REST CLOSE	-	CLNT FLOW CHECK	-	LAW-F L-	
MACHINE	-	-			
ST. REST TOW-A	-	COOLANT L/M CHG.	-	PNL.POSIT. FRONT	
-		-			
ST. REST GR.COMF	-	CLNT.THRU.SPNDL.	-	T CONST	
SWITCH	-	-			
-----					
-					
CENTER WORK	-	M-AXIS ORIENT.	-	DNC-B	- B-AXIS
TURRET	-				
TAIL STOCK LIMIT	-	FLAT TURNING	-	DNC-C	- B-AXIS
1deg	-				
TAIL-STK.IL.RLS.	-	B-TURRET M-AXIS	-	ATC TYPE G	- B-AXIS
0.001deg	-				
PROG. TAIL STOCK	-	B-AXIS POS LOMP	-	W-AXIS OVERLAP	- TURRET TYPE-
H1	-				
SIMPLE TOW-ALONG	-	ATC TYPE H	-	ST.R AUTO TOW-A B-	TURRET TYPE-
H2	-				
TAIL STK.RT.INCH	-	CAM AXIS LUB.	-	THREAD	
OVERRIDE	-	TR.PNDLM.CNTRL.	-		
ST.R AUTO TOW-A.	-	M-AXIS OIL MIST	-	IND.CHK1 NO CHECK-	L TOOL
INDEX	-				
ST. R. ENABLE SW	-	M-SP. OILCOOLER	-	PROG. TAIL STK. B-	L TOOL THD. CLMP
-					
=====					
=					
CHUCK GRASP COMF	o	TOUCH SETTER	-	WARMING UP	- NO CEIL
2	-				
CHUCK IL. RLS.	-	TOUCH SET. SLIDE	-	WORK CNT.SPECIAL	- NO CEIL
3	-				
CHUCK. MISS 1 SP	o	TOUCH SET. COVER	-	CHIP CNVYR CHECK	o WORK
STOCKER	o				
CHUCK. MISS 2 SP	o	TOUCH SET. MOTOR	-	THRU&MEASURE AIR	- WORK
STOCKER2	o				
CHUCK H/L 1 SP.	-	TL BRAK. DETECT.	-	DRAIN PUMP	- VERTICAL SW. LO.
-					
CHUCK H/L 2 SP.	-	WORK EJECTOR	-	SP AIR PURGE DET	- T.CLMP OUTPUT
HLD-					
INDEX CHK 45 1SP	-	WORK EJ.AD CONF	-	AIR PRES.DETECT	o B-
PANEL	o				
INDEX CHK 90 1SP	-	WORK EJ.RT CONF	-	SEQUENCER ALARM	- NC
DOOR	-				
-----					
-					
2 CHUCK PDL. 1SP	-	EXTERNAL MEASURE	-	DUAL START	- NC
ROBOT	-				
SMW CHUCK 1 SP.	-	EX. MEASURE BCD	-	DUAL ST.DR. CLS.	
- OR5					
FR.DRV.CHUCK 1SP	-	CEJ MATIC	-	EDIT INTERLOCK	- HYD ER
DET.	-				
CHK GRSP SPC 1SP	-	TOUCH SENSOR 2SP	-	PROG.STOP SPECIA	- SPEC
SELECT	-				
2 CHUCK PDL. 2SP	-	TOUCH SENSOR	-	PANEL POSIT. SP	- NO CE DOOR
OPENLS-					

SMW CHUCK 2SP	-	OPTICAL SENSOR	-	PORTABLE PH	-	OSP CHIP CONVERE
○						
FR.DRV.CHUCK 2SP	-	2SP TOUCH SETTER	-	CE MARKING	-	SWING&LIMIT
SWIVE-						
CHK GRSP SPC 2SP	-	TOUCH SET. COV.LK-		OIL LEVEL DETECT	○	OR SEFTY
FENCE	-					
=====		=====		=====		=====
=						
HYD. UNIT COOLER	-	MECHA-LOCK DOOR1	-	BF/PC BIT SWITCH	-	A CLAMP MISS CHK
○						
OIL COOLER ALM-A	-	MECHA-LOCK DOOR2	○	PARTS CATCHER	-	B CLAMP MISS CHK
○						
HYD. OIL COOLER	-	R.DOOR2	-	PARTS CA.DOOR IL	-	SWING IL TYPE-
A	-					
WITHOUT STE SW	-	AUTO DOOR2	-	PARTS CA.AD/RT SP-		SWING IL TYPE-
B	-					
EX BRAKE RELEASE	○	DOOR IL. S	○	PARTS CA.SWING	-	DUAL HAND
OPE.	-					
SAFETY RELAY	-	DOOR IL. D	-	NC TAIL STOCK	-	FENCE MECHA-LOCK
-						
POS UNIT	-	DOOR IL. E	○	CONV.DEVICE I/F	-	HAND OPE.
I.L.	-					
CHUCK IL.RLS.SP	-	MECHA-LOCK SP.	-	UNLOADER I/F	-	LDR AXIS INTRLCK
-						
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-						
SPNDL OIL AIR LUB-		DR.SPEED SWITCH	-	BAR FEEDER I/F 1	-	NC
LOADER	○					
SPNDL ORNT.ELEC.	○	AUTO DOOR	-	BAR FEEDER I/F 2	-	NC LOADER TYPE-C
○						
SPNDL ORNT. PIN	-	DOOR CONTROL	-	B.FEEDER CHK.IL.		
- 2M1L		○				
SPNDL ORNT. BRK.	-	R.DOOR ONE BODY	-	BAR FEEDER I/F 3		
- 3M1L		-				
1SP. LOWEST SP.	-	R.DOOR SIDE OPEN	-	BAR FEEDER I/F 4	-	GANTRY
LOADER	-					
2SP. LOWEST SP.	-	ROOF DOOR	○	BAR FEEDER I/F 5	-	RECIPROCAL INTER
-						
1SP. OIL COOLER	-	PL DOOR I.L.E-D	-	THRU. AIRBLOW IL.-		2CARRIERS
LDR	-					
2SP. OIL COOLER	-	PL DOOR I.L.E-C	-	CUT OFF DETECT	-	3 AXIS
LOADER	○					
=====		=====		=====		=====
=						
0.0001M CONTROL	-	ATC TYPE A	-	RBT/LDR I/F B	-	TURNOVER
DEVICE	○					
FLAT BED	-	ATC TYPE B	-	RBT/LDR I/F C	-	TRNOVR RTRCT SP.
-						
W-AXIS CONTROL	-	ATC TYPE C	-	RBT/LDR I/F D	-	TURNOVER L-
>R	-					
HYD LESS	-	ATC TYPE D	-	OGL LOADER I/F	-	DIREC SWITCHABLE
○						
W-AXIS CLAMP	-	MG. DOOR 2	-	PROGRAM SELECT A	-	MULTI-
MAGAZINE	-					

HOB CUTTING	-	MG.DOOR MECHA-LK	-	PROGRAM SELECT B	-	M.LOCK SP
CVR.	-					
B-TURRET SUB SP.	-	MG TOOL MAN CHG	-	PROGRAM SELECT C	-	LVT SAFETY FENCE
-						
B-AXIS INTERPOL.	-	TOOL ID	-	FIX POT ATC	-	MEASURE OVER M/C
-						
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-						
2 SADDLE MACHINE	-	NC TURRET	o	LFS10	-	FINGER CHUCK 4-1
-						
MULTIPLE MACHINE	-	TURRET LIMIT A	-	LVT	-	FINGER CHUCK 4-2
-						
OPPOSED TURRET	-	CAM TURRET	-	LAW-V	-	FINGER CHUCK 2-1
-						
SUB SPINDLE	-	NC TR WITH BRAKE	-	2SP-H	o	FINGER CHUCK 2-2
-						
OPPOSED 2 SPNDL	-	TURRET LIMIT B	-	ACC MACHINE	-	COLLET GRSP COMF
-						
SLANT-Y AXIS	-	1MMT CLUTCH COMF.	-	ATC TYPE-E	-	SIDE COVER
I.L.	-					
PARALLEL 2 SPNDL	o	1 MOTOR MULTI TR	-	ATC TYPE-F	-	M.LOCK SIDE CVR.
-						
B-AXIS TURRET	-	1MMT BRAKE CR	-	SUB MAGAZINE	-	SUB
PANEL	-					

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ccdrps-pv1.35 - 7/10 - <W01><O01>< 2SP-  
150H><P194964>

===== [ PLC-SPEC CODE No.2 ] =====

1800-0000-0000-4000-0000-0000-0000

0000-0100-0010-0000-0000-0000-0088-0000

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HP COOLANT UNIT	-	1SP C BRAKE KEEP	-	MAN JOG
FEED	-			
HP COOLANT UNIT2	-	2SP C BRAKE KEEP	-	SP COM. UNIT 0.1
-				
HP COOLANT UNIT3	-	FD.CHUCK 1 GRSP	-	CHIP NIPPING
AVO.-				
RV. FLUSH CLNT	-	FD.CHUCK GRSP.CK	-	CAT TOOL
DIR.	-			
BL. SADDLE CLNT	-	C UNCLAMP CONF.	-	TABLE ROUND
CONV.-				
ANOTHER TANK	-	1SP A.CHUCK RSS	-	MG
CLAMP	-			
RV. FLUSH CLNT2	-	2SP A.CHUCK RSS	-	SETUP MODE
PLC	-			CUSTOM
SP TAIL WORK HLD	-	NC ST. R. CLAMP	-	GEN. OL. DETECT
RT.	-			PREVENT TS.

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SAFETY SW RST	-	OPTICAL SENSOR B	-	RIGID TURRET	-	SIDE
SHUTTER	-					

DOOR DIVISION	-	TOUCH SET.SLD B	-	A-TURRET PENDULUM-	TCH STTR POS
RV	-				
FLAT DOOR IL	-	TOUCH SET.CROS-L	-	B-TURRET PENDULUM-	1SP CHK GRASP
C	-				
FLAT 1 DOOR	-	TOUCH SET.CROS-R1-	-	A-TURRET PND. SW.-	2SP CHK GRASP
C	-				
FLAT DOOR IL SP	-	TOUCH SET.CROS-R2-	-	B-TURRET PND. SW.-	W-AXIS
CUTTING	-				
FLAT DOOR MLK	-	TOUCH SET.SLID R	-	DOOR IL. SW CHECK-	TOUCH
SET.TRN.SLD-					
R.DR.GUIDE SLIDE	o	TR.&MEASURE AIR	-	OSP CNVYR PNL.SP	- DOOR I.L.E-C
SP	-				
MAINTE DOOR	-	T SETTER MOTOR B	-	SPNDL LUBE DRAIN	- SP. LATHE
TOOL	-				
=====					
=					
NC STEADY REST	-	SCHUNK CHUCK 1 SP-	-	ACC AREA SENSOR	- MCTYPE VTR-
A	-				
ST REST AIR CLAMP-	-	SCHUNK CHUCK 2 SP-	-	SP VIB. SENSOR	- ANGLE
HEAD	-				
SELF ST.R 1	-	CHUCK H/L B 1SP.	-	S-ST CHK. PDL/PB	- L-NAVI
GUIDANCE	-				
SELF ST.R 2	-	P-TS UNCLAMP IL	-	APC SPNDL CLAMP	- EASY OPERAT
PANEL	o				
SELF ST.R 3	-	HP COOLANT UNIT5	-	PH TYPE-B	o ANG
COOLANT	-				
SELF ST.R 1 REL.	-	HP COOLANT UNIT6	-	C CONNECT SP	- ANG
AIRBLOW	-				
SELF ST.R 2 REL.	-	VTR CHUCK CTRL	-	PH TYPE-C	- SHOWER
SW	-				
SELF ST.R 3 REL.	-	2APC SETUP CLAMP	-	THINC ALARM	- MF
UNIT	o				
-----					
-					
NC TAIL WORK HLD	-	HAND PUSH. AIR	-	2PALLET APC	- ATC TYPE-
P	-				
NC TAIL NO CHG	-	STOCKER INV.CTRL	-	STACKER CRANE I/F-	ATC NO MOD
RST	-				
NC TAIL NO PEDAL	-	STCK.AREA SENSOR	-	C AXIS GROUP SW.	- DOOR
WINDOW	-				
HYD QL NC TAIL	-	3AX LDR SWING IL	-	PALLET CLAMP B	- DRUM
FILTER	-				
NC TAIL PRECISE	-	CHUCK H/L B 2SP.	-	2PALLET APC I/F C-	PH ENABLE
SW	-				
NC TAIL POLS LOW	-	1SP C GAIN CUT	-	6PALLET APC I/F C-	ATC SIDE TH.TOOL
-					
TAIL SLEEVE I.L	-	2SP C GAIN CUT	-	APC DOOR	- ST.REST MAN GRIP
-					
TAIL SLEEVE 1SP	-	NC UNLOADER	-	PALLET CLAMP C	- 3 SADDLE MACHINE
-					
=====					
=					
CHUCK GRASP CO.B1-	-	SUB PNL.B ST.CHG	-	NEW CEMK	- AIR NOZZLE
SW	-				



CHUCK GRASP CO.B2-	CENT.PARTITION	-	M-NAVI GUIDANCE	-	M-SP AIRBLOW
SW -					
ST. REST ZC	-	SP PEAK POW. CUT	-	SUB PNL.B BIT SW	-
SW -					-
NC TAIL INCHING	-	CE CHUCK NO CONF	-	ATC OIL PRES.DET	-
SW -					-
INDEX CHK 45/90SW-	ATC TYPE-Q	-	OIL LEVEL DET.2	-	OILHOLE
SW -					
2SP CHK DS SENSOR-	MULTI-MAG. B	-	VERT. MLT. PANEL	-	OILHOLE HIGH
SW -					
CHUCK GRASP CO.D1-	APC FRONT DOOR2	-	OPERATION DOOR	-	COOLANT
CLOG -					
CHUCK GRASP CO.D2-	CHUCK/JIG CHANGE	-	C CLAMP CONF.	-	COOLANT LV CHECK
-					
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-					
SP. LOW. FIX. SP.-	A TURRET MID.	-	PWR SUP R/L COM	o	M-SP
COOLING -					
C AXS BR. TRQ LMT-	B TURRET MID.	-	EX CUT FEED OVR	-	THR SP
COOLANT -					
SKIVING CUT	-	C TURRET MID.	-	EX INT PROGRAM	-
OILMIST -					-
TURN.TOOL GROOVE	-	2APC I/F B	-	SUB PANEL B	-
SKIMMER -					-
1SP WIND-CHG SP	-	L TOOL IDX. SEL	-	EX NC FEED HOLD	-
COOLING -					-
2SP WIND-CHG SP	-	B 2MMTR TYPE B	-	INSIDE M/C CNVYR	-
SW -					-
SP BRAKE PS	-	C MODE C BRAKE	-	LIST UP MOSNIC A	-
SW -					-
MAN MODE C BRAKE	-	TAIL STOCK CLAMP	-	LIST UP MOSNIC B	-
SW -					-
=====	=====		=====		=====
=					
MANY CHIPS 12	-	M-SP LUBE CHECK	-	HP COOLANT UNIT4	
- AAC					
MANY CHIPS 8	-	M-SP OIL AIR	-	AXIS RETRACT	-
-					-
ATC POS INDEX RE	-	MA-SP. LOWEST	-	CROSS RAIL AUTO 7-	AT
MCODE -					
B-AXIS 5deg PITCH-	M-SP 4P INDEX	-	CROSS RAIL AUTO 8-	AT-C INDEX	
5DEG -					
MANY CHIPS 4	-	TOOL M-SP.MAX	-	CROSS RAIL AUTO 9-	MAN AT TOOL
CHG -					
TL EXIST COMF.	-	C-TURRET M-AXIS	-	CROSS RAIL AUTO10-	AAC TYPE
B -					
TURNING IL	-	CHIP BITING AV.	-	DOOR IL S SP	-
SP2 -					-
2MOTOR TR TYPE B	-	Machin. Navi M-i	-	PENDANT IL	-
-					-
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-					
2MOTOR MULTI TR	-	LINEAR GUIDE CVR.-	FIRE ALARM CHK	-	ATC TYPE
M -					
2MOTOR TR B	-	ATC CYCL TIME RE	-	MIST COLLECTOR	-
SHUTTER -					-

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TR INDEX COND W - ATC TYPE I - 0.1UM PH CHG - MATRIX
TIM.RE.A -
2SP-H TR.CLMP-R o EX ATC HP - CROSS RAIL AUTO - MATRIX
TIM.RE.B -
2SP-H TR.CLMP-L o ATC TYPE J - CROSS RAIL AT-C - ATC
COV.TOOL -
B TURRET Y - ATC TYPE K - SP ER DET. SHARE - ATC LATHE
TOOL -
C TURRET Y - TOOL RET MT CM - ABSO SCALE FILT. - ATC TYPE
N -
2 MOTOR TR C - ATC TYPE L - 1SP INDEX CHK SP - ATC SENS.
TOOL -

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ccdrps-pv1.35 - 8/10 - <W01><O01>< 2SP-
150H><P194964>

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===== [ PLC-SPEC CODE No.3 ] =====

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0100-0000-0000-0000-0000-0000-0000-0000

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TOOL
STOCKER - - - -
TOOL STOCKER OP.
- - - -
MULTI.SP.ORNT. - - - -
-
TOOL STOCKER
OUT.- - - -
GRINDING
FUNC. - - - -
LASER UNIT
B - - - -
ATC TYPE-
T - - - -
EX.MG TOOL
DATA - - - -
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-
PROGRAM SELECT D
- - - -
1SP CHK PRES.
6 - - - -
2SP CHK PRES.
6 - - - -
INC./ORI.HI-
SPEED- - - -
IND. ROOF DOOR
IL- - - -
AAC TYPE
C - - - -
LODER SWING
SERVO- - - -

```

H1 TR.				
UNCLAMP	-	-	-	-
=====				
=				
TH./ATC AIR COM.				
-	-	-	-	-
TOUCH SET. POWER				
-	-	-	-	-
TOUCH PROBE				
FIX	-	-	-	-
M02 SHORT.				
TIME	-	-	-	-
LASER				
UNIT	-	-	-	-
R/W HEAD POS. SP				
-	-	-	-	-
RB/LD REQ.				
255	-	-	-	-
RB/LD SP ORNT.15				
-	-	-	-	-
-----				
-				
A L-TUR.				
ATC	-	-	-	-
B L-TUR.				
ATC	-	-	-	-
ST.R GR.COMF				
C	-	-	-	-
PROG TS AIR				
CLP	-	-	-	-
CUT STATUS				
MON.	-	-	-	-
SP.DIAGNOSTIC	-	-	-	-
-				
ATC TYPE-				
S	-	-	-	-
ENABLE SW				
CHECK	-	-	-	-
=====				
=				
BLUM TOUCH PROBE				
-	-	-	-	-
TR BRAK.				
DETECT.C-	-	-	-	-
HYBRID				
SENSOR	-	-	-	-
ST.R. MOUNT PAR.				
-	-	-	-	-
TAIL ADVANCE				
2	-	-	-	-
PARTS CA.				
BELT	-	-	-	-
OIL CNLT SPECIAL				
-	-	-	-	-

OSP				
suite	-	-	-	-
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-				
TURNING				
CUT	-	-	-	-
Work Supp.B-Tur.				
-	-	-	-	-
NC UNLOADER				
B	-	-	-	-
WORK EJECT				
H1	-	-	-	-
CE PARTS CA.DRIL				
-	-	-	-	-
BALL SCREW COOL.				
-	-	-	-	-
DATA TRA. OUT.MG				
-	-	-	-	-
VL L-				
MACHINE	-	-	-	-
=====				
=				
WORK SUPPORT SP.				
-	-	-	-	-
HP COOLANT UNIT7				
-	-	-	-	-
TOOL				
IC	-	-	-	-
ST.R GR.COMF				
B	-	-	-	-
TL BRAK.				
DETECT.B-	-	-	-	-
THRM. OIL COOLER				
-	-	-	-	-
DOOR				
INCHING	-	-	-	-
CHIP CNV.INTERV.				
-	-	-	-	-
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-				
ECO SUITE	o	JIS MAC		
SAFETY	-	-	-	-
M-AXIS INTERPOL.	-	ENABLING		
EASING	-	-	-	-
M-AXIS MEASURE	-	TESTCUT		
TURRET	-	-	-	-
M-AXIS CLAMP				
M	-	-	-	-
MATRIX TLS SHUT.				
-	-	-	-	-
ATC-H MATRIX				
MG	-	-	-	-
C-AXIS CLAMP AUT				
-	-	-	-	-
NC TAIL START IL				
-	-	-	-	-



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HI-G
CONTROL   o      -      -      -      -
-
-
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-
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-
LINEAR
INTRPLT. -      -      -      -      -
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-           -           -           -

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=
LOADER AXIS
X/Y -           -           -           -
TANDEM
LOADER -           -           -           -
           o           -           -           -
-           -           -           -
-           -           -           -
-           -           -           -
-           -           -           -
-           -           -           -
-           -           -           -
-           -           -           -
-           -           -           -
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-
1 AXIS
LOADER -           -           -           -
2 AXIS
LOADER -           -           -           -
3 AXIS
LOADER o           -           -           -
2 CARRIERS
LDR -           -           -           -
BIT REQ (TYPE-
C) -           -           -           -
BIT
REQUEST -           -           -           -
NC PROG.
SELECT -           -           -           -
NC LOADER TYPE-C
o           -           -           -
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