

異常警報リスト

ALARM LIST

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
1	W400.00 3 Emergency stop	Emergency stop button was pressed. Confirm safety;then release emergency stop button.	
2	W400.01 3 Toggle cover opened	Toggle cover is open. Confirm safety;then close toggle cover.	
3	W400.02 3 Photo sensor fault operator side	Photo sensor was activated. Confirm safety;then RESET phot sensor.	
4	W400.03 3 Safety fence open	Safety fence is open. Confirm safety;then close safety fence.	
5	W400.04 3 Teaching fence open	Safety fence of teach is open. Confirm safety;then close safety fence.	
6	W400.05 2 Safety door open	Safety door is open. Close safety door.Check the closed limit switch.	
7	W400.06 3 Safety door cover open	Safety door cover is open. Confirm safety;then close Safety door cover.	
8	W400.07 2 Setting data transmit fault	Touch panel didn't receive a permission from the PLC. Turn on the "DIE CHANGE" mode.	
9	W400.08 2 Two push buttons switch fault	Only one start push button is pressed. Press two start button simultaneously.	
10	W400.09 3 Hydraulic pump motor abnormal	Check an error display on the servo amplifier.	
11	W401.00 3 No.2 hydraulic pump motor insulation	Insulation fault of No.2 hydraulic pump motor. Check insulation of motor.	
12	W401.01 3 No.3 hydraulic pump motor overload	No.3 hydraulic pump motor is overload. Check pump for continuous loading(open phase/screw looseness/thermal relay reset,etc.). Check mechanical system.	
13	W401.02 1 Vacuum pump motor overload	Vacuum pump motor is overload. Check the open phase/screw looseness/thermal relay reset, etc. Check mechanical system.	
14	W401.03 1 Machine grease pump motor1 overload	Motor for machine lubrication is overload. Check the open phase/screw looseness/thermal relay reset, etc. Check mechanical system.	
15	W401.04 1 Intensification time adj. motor over	Motor for intensification time adjusting is overload. Check the open phase/screw looseness/thermal relay reset, etc. Check mechanical system.	
16	W401.05		
17	W401.06 1 Force cooling pump motor overload	Motor for force cooling pump is overload. Check the open phase/screw looseness/thermal relay reset, etc. Check mechanical system.	
18	W401.07 1 Machine grease pump motor2 overload	Motor for machine lubrication is overload. Check the open phase/screw looseness/thermal relay reset, etc. Check mechanical system.	
19	W401.08 1 Machine grease pump motor3 overload	Motor for machine lubrication is overload. Check the open phase/screw looseness/thermal relay reset, etc. Check mechanical system.	
20	W401.09 2 Die close/open LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS × 4)	REMARKS
21	W402.00 2 Safety hook LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
22	W402.01 2 Core#1(Mov No.1) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
23	W402.02 2 Core#2(Mov No.2) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
24	W402.03 2 Core#3(Mov No.3) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
25	W402.04 2 Core#4(Mov No.4) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
26	W402.05 2 Core#5(Fix No.1) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
27	W402.06 2 Core#6(Fix No.2) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
28	W402.07 2 Mov Core#7(No.7) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
29	W402.08 2 Mov Core#8(No.8) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
30	W402.09 2 Fix Core#1(No.9) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
31	W403.00 2 Fix Core#2(No.10) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
32	W403.01 2 Fix Core#3(No.11) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
33	W403.02 2 Fix Core#4(No.12) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
34	W403.03 2 Fix Core#5(No.13) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
35	W403.04 2 Fix Core#6(No.14) LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
36	W403.05 2 Shot LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
37	W403.06 2 Ejector LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
38	W403.07 2	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
39	W403.08 2	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
40	W403.09 2 Tie bar LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS × 4)	REMARKS
41	W404. 00 2 Safety door LS fault(Helper side)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
42	W404. 01 2 Tie bar LS fault(Operator top)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
43	W404. 02 2 Tie bar LS fault(Helper top)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
44	W404. 03 2 Liner LS fault(Operator top)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
45	W404. 04 2 Liner LS fault(Operator side)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
46	W404. 05 2 Liner LS fault(Helper side)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
47	W404. 06 2 Nut LS fault(Helper top)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
48	W404. 07 2 Die clumper FWD/RTN LS fault(SP/OP)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
49	W404. 08 2 Die clumper FWD/RTN LS fault(SP/HE)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
50	W404. 09 2 Die clumper FWD/RTN LS fault(MP/OP)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
51	W405. 00 2 Die clumper FWD/RTN LS fault(MP/HE)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
52	W405. 01 2 Die clumper OPN/CLS LS fault(SP/OP/UP)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
53	W405. 02 2 Die clumper OPN/CLS LS fault(SP/OPLOW)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
54	W405. 03 2 Die clumper OPN/CLS LS fault(SP/HE/UP)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
55	W405. 04 1 Hydraulic pump motor FAN overload	Motor for hydraulic pump motor FAN is overload. Check the open phase/screw looseness/thermal relay reset, etc. Check mechanical system.	
56	W405. 05 3 Hydraulic pump motor AC servo abnormal	Check the error code on the seosor monitor screen.	
57	W405. 06 2 Die AC servo abnormal	Check the error code on the seosor monitor screen.	
58	W405. 07 2 Ladler circuit leakage	Check the insulation register or wiring. Reset of erth leakage braker, leakage relay or CP.	
59	W405. 08 2 GF Circuit leakage	Check the insulation register or wiring. Reset of erth leakage braker, leakage relay or CP.	
60	W405. 09 0 Tie bar motor inverter fault	Inverter trips via protection, and inverter is fauly. Check error code displayed by panel inverter unit. Wate about 30-40 second and press alarm reset push button switch to reset inverter and restore to normal.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
61	W406.00 0 Tie bar motor overload	Motor for Tie bar removal motor is overload. Check the open phase/screw looseness/thermal relay reset, etc. Check mechanical system.	
62	W406.01 2 Ejector plate clamp LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
63	W406.02 2 Mov die support LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
64	W406.03 2 Maintenance decke LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
65	W406.04 2 Die clamer OPN/CLS LS fault(SP/HE/LO)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
66	W406.05 2 Die clamer OPN/CLS LS fault(MP/OP/UP)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
67	W406.06 2 Die clamer OPN/CLS LS fault(MP/OPLOW)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
68	W406.07 2 ACC2 Booster LS fault	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
69	W406.08 1 Grease lubrication3 fault	Lubrication did not finish within the regular time. Check pump, pipes and cycle-switches for lubrication.	
70	W406.09 2 Tie bar setting fault	The setting of the tie bar device is not complete. Complete the setting of the tie bar device.	
71	W407.00 2 Die clamer setting fault	The setting of the die clamer is not complete. Complete the setting of the die clamer.	
72	W407.01 2 Die clamer abnormal pressure fault	A large force took to the clamp by die opening force. Check the die installation and the wiring for the pressure switch.	
73	W407.02 3 Die clamer oil level low limit	Level of reservoir tank becomes low alarm limit. Supply oil into the reservoir tank.	
74	W407.03 3 Ejector orverran	Ejector was overrun does not stop at the forward limit. Check ejector forward limit switch. Check ejector forward solenoid valve.	
75	W407.04 1 Grease lubrication1 fault	Lubrication did not finish within the regular time. Check pump, pipes and cycle-switches for lubrication.	
76	W407.05 1 Machine lubrication1 oil level low fa	Level of reservoir tank becomes low alarm limit. Supply lubricant into the lubricant tank. Check level sensor.	
77	W407.06 1 Grease lubrication2 fault	Lubrication did not finish within the regular time. Check pump, pipes and cycle-switches for lubrication.	
78	W407.07 1 Servo pilot pressure fault	Pilot pressure of servo valve does not rise to regular pressure. Check loading pressure and pressure detect sensor.	
79	W407.08 2 Air pressur low	DC M/C air pressure is down. Check the air line pipe and the air supply. PS-SH	
80	W407.09 0 PLC battery low	PLC's battery for memory backup is low. Change the battery.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
81	W408.00 3 PLC fault	PLC is abnormal. Please contact with UBE.	
82	W408.01 2 CompoBus Slave fault	Slave of CompoBus is abnormal. Check the communication cable and slave unit.	
83	W408.02 0 S-DDV cmunication fault	The communication between shot controller (S-DDV) and PLC are stopping. Please check HUB and LAN cable. Check the shot controller (S-DDV), touch panel and PLC.	
84	W408.03 2 Cycle time over	Cycle time exceeds cycle monitor timer. Find/eliminate cause of cycle overrun. Review cycle monitor timer setting.	
85	W408.04 3 Hydraulic oil level low(Pump stop)	Hydraulic oil level is lowest limit. Check for hydraulic oil leaks. Supply oil to required level.	
86	W408.05 1 Hydraulic oil level low(Cycle stop)	Hydraulic oil level is lowest limit. Check for hydraulic oil leaks. Supply oil to required level.	
87	W408.06 1 Hydraulic oil temperature high(Cycle stop)	Hydraulic oil is abnormally hot. Confirm that cooling water is circulating.	
88	W408.07 1 Hydraulic oil temperature high(Alarm)	Hydraulic oil is abnormally hot. Confirm that cooling water is circulating.	
89	W408.08 3 Hydraulic oil temperature high(Pump stop)	Hydraulic oil is abnormally hot. Confirm that cooling water is circulating.	
90	W408.09 2 S-DDV fault	S-DDV is abnormal. Please contact with UBE.	
91	W409.00 1 Shot ACC.1 pressure down	ACC pressure has dropped. Add or discharge N2 gas to required pressure.	
92	W409.01 1 Shot ACC.2 pressure down	ACC pressure has dropped. Add or discharge N2 gas to required pressure.	
93	W409.02 2 Shot ACC.1 charge process time over	Metal pressure auto compensation control value are over upper limit. Check the setting value, measuring value and sensor input.	
94	W409.03 2 Shot ACC.2 charge process time over	Metal pressure auto compensation control value are under lower limit. Check the setting value, measuring value and sensor input.	
95	W409.04 0 DDV1 STROKE FAULT	DDV1 Valve stroke is out of range. Check the DDV1 valve. Check the actual stroke on the screen.	
96	W409.05 1 Machine lubrication2 oil level low fault	Level of reservoir tank becomes low alarm limit. Supply lubricant into the lubricant tank. Check level sensor.	
97	W409.06 1 Metal press. auto comp. higher alarm		
98	W409.07 1 Metal press. auto comp. lower alarm		
99	W409.08 1		
100	W409.09 0 Tip lubrication oil level low fault	Level of reservoir tank becomes low alarm limit. Supply lubricant into the lubricant tank. Check level sensor.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
101	W410.00 0 Shot line filter clogged	The element is choked up. Please replace the element by a new one.	
102	W410.01 1 Tip cooling water flow fault	Tip cooling water is not flowing. Check the stop valve and piping.	
103	W410.02 1 Forgot turn ON the FAST SHOT switch	Fast shot selector Switch is turned OFF in continuous 5 Shot Cycle. Select the fast shot selector Switch to ON till in 5th Shot Cycle.	
104	W410.03 1 Die cooling water flow fault	Cooling Water Flow Failure is Occurred. Check The Piping and Open The Stop Valve.	
105	W410.04 1 Die cooling device fault	DCM start signal from the cooling water device has not been output. Check cooling water device.	
106	W410.05 1		
107	W410.06 1 Power cool device fault	DCM cycle stop signal from the power cool device has been output. Check power cool device.	
108	W410.07 1 ICV fault	Normal signal has turned OFF. Check servo amplifire,encoder and wiring.	
109	W410.08 2 Mov nut LS fault(OP TOP)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
110	W410.09 2 Mov nut LS fault(OP BOTTOM)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
111	W411.00 2 Mov nut LS fault(HE TOP)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
112	W411.01 2 Mov nut LS fault(HE BOTTOM)	Limit switches that don't be actuate at the same time are actuated. Check the limit switches and wiring.	
113	W411.02 2 Die clamping force cylinder abnormal	During boost the die locking cylinder has reached to abnormal position. Check the die locking cylinder and the position sensor.	
114	W411.03 2 Die clamping force cylinder abnormal	During boost the die locking cylinder has reached to abnormal position. Check the die locking cylinder and the position sensor.	
115	W411.04 2 Die clamping force cylinder abnormal	During boost the die locking cylinder has reached to abnormal position. Check the die locking cylinder and the position sensor.	
116	W411.05 2 Die clamping force cylinder abnormal	During boost the die locking cylinder has reached to abnormal position. Check the die locking cylinder and the position sensor.	
117	W411.06 2 Die close pressure rise process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
118	W411.07 2 Die open pressure release process tim	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
119	W411.08 3 Abnormally moving platen move	Moving Platen Moved While Die Open and Close Command is in OFF. Check The Die Closing Motion AC Servo System.	
120	W411.09 2 Servo die close process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
121	W412.00 2 Servo die open process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
122	W412.01 2 Safety hook in process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
123	W412.02 2 Safety hook out process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
124	W412.03 2 Core#1(Mov No.1) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
125	W412.04 2 Core#1(Mov No.1) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
126	W412.05 2 Core#2(Mov No.2) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
127	W412.06 2 Core#2(Mov No.2) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
128	W412.07 2 Core#3(Mov No.3) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
129	W412.08 2 Core#3(Mov No.3) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
130	W412.09 2 Core#4(Mov No.4) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
131	W413.00 2 Core#4(Mov No.4) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
132	W413.01 2 Core#5(Fix No.1) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
133	W413.02 2 Core#5(Fix No.1) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
134	W413.03 2 Core#6(Fix No.2) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
135	W413.04 2 Core#6(Fix No.2) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
136	W413.05 2 Mov Core#7(No.7) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
137	W413.06 2 Mov Core#7(No.7) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
138	W413.07 2 Mov Core#8(No.8) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
139	W413.08 2 Mov Core#8(No.8) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
140	W413.09 2 Fix Core#1(No.9) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
141	W414. 00 2 Fix Core#1(No.9) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
142	W414. 01 2 Fix Core#2(No.10) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
143	W414. 02 2 Fix Core#2(No.10) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
144	W414. 03 2 Fix Core#3(No.11) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
145	W414. 04 2 Fix Core#3(No.11) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
146	W414. 05 2 Fix Core#4(No.12) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
147	W414. 06 2 Fix Core#4(No.12) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
148	W414. 07 2 Fix Core#5(No.13) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
149	W414. 08 2 Fix Core#5(No.13) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
150	W414. 09 2 Fix Core#6(No.14) insert process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
151	W415. 00 2 Fix Core#6(No.14) return process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
152	W415. 01 2 Shot forward process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
153	W415. 02 2 Shot return process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
154	W415. 03 2 Ejector forward process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
155	W415. 04 2 Ejector return process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
156	W415. 05 1 Intensification fault	Intensification was not worked. Check the VP change point setting.	
157	W415. 06 2 Hydraulic pump AC servo reactor fault	Refer to the AC servo instruction manual and make a treatment.	
158	W415. 07 2 Hydraulic pump AC servo regenerative	Refer to the AC servo instruction manual and make a treatment.	
159	W415. 08 2 Die AC servo reactor fault	Refer to the AC servo instruction manual and make a treatment.	
160	W415. 09 2 Die AC servo regenerative resistor fa	Refer to the AC servo instruction manual and make a treatment.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
161	W416.00 1 Die AC servo dynamic brake fault	Turn OFF the AC servo amplifier and turn ON again. Refer to the AC servo instruction manual and make a treatment.	
162	W416.01 2 No.1 Squeeze return process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
163	W416.02 2 No.2 Squeeze return process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
164	W416.03 2 No.3 Squeeze return process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
165	W416.04 2 No.4 Squeeze return process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
166	W416.05 2 No.5 Squeeze return process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
167	W416.06 2	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
168	W416.07 2	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
169	W416.08 2 Die close pressure rise process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
170	W416.09 2 Die open pressure release process tim	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
171	W417.00 3	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
172	W417.01 1 Vacuum pressure low	Vacuum pressure in the main vacuum tank is low. Check the vacuum tank.	
173	W417.02 3 Intensification valve adj. process ti	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
174	W417.03 3 Control circuit MCB OFF	MCB or CP of control circuit has been OFF. Check the cause and turn ON the breaker after countermeasure.	
175	W417.04 3 Power circuit MCB OFF	MCB or CP of power circuit has been OFF. Check the cause and turn ON the breaker after countermeasure.	
176	W417.05 1 Vacuum filter clogged	Vacuum filter was clogged. Check the filter. clean or replace the filter if necessary.	
177	W417.06 1 Vacuum device air pressure low	Vacuum air pressure was dropped down. Check the piping, solenoid valve and sensor. Check master air pressure.	
178	W417.07 1 Vacuum pressure low	Vacuum pressure in the main vacuum tank is low. Check the vacuum tank.	
179	W417.08 1 Vacuum device fault	Vacuum device fault. check the vacuume device.	
180	W417.09 2 Control circuit leakage	ontrolt circuit has been earth leakage. (ELR110) Check insulation of cotrol circuit. Reset the earth leakage relay.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
181	W418.00 2 DCM Output circuit1 leakage	Output circuit has been earth leakage. (ELR132) Check insulation of output circuit. Reset the earth leakage relay.	
182	W418.01 2 Vacuum device runner remaining fault	Runner remaining in die(Vacuum). Check the vacuum device.	
183	W418.02 0		
184	W418.03 2 PLC output circuit CP OFF in control	PLC output CP has turned OFF. Turn ON the CP.	
185	W418.04 3 Teaching signal ON during die motion	Teaching signal has turned ON during die opening or closing. Do not operate the die open or close in teaching.	
186	W418.05 3 Safety hook motion fault during robot	Insert limit of die safety hook was out during teaching. Do not operate the die open or close in teaching.	
187	W418.06 3 No.1 hydraulic pump motor temperature	Temperature of the hydraulic pump AC servo motor has been rising. Make sure the fan motor is running properly.	
188	W418.07 3 No.2 hydraulic pump motor temperature	Temperature of the hydraulic pump AC servo motor has been rising. Make sure the fan motor is running properly.	
189	W418.08 3 Die AC servo motor temperature high	Temperature of the die AC servo motor has been rising. Make sure the fan motor is running properly.	
190	W418.09 3 Teaching prohibited except die change	An attempt was made to teach in except die change Mode. Teaching should be done in the die change mode.	
191	W419.00 1 SUCTION FILTER1 clogged	Filter has clogged. Check filter and clean or replace the filter. PS-STR1	
192	W419.01 1 SUCTION FILTER2 clogged	Filter has clogged. Check filter and clean or replace the filter. PS-STR2	
193	W419.02 1 SUCTION FILTER3 clogged	Filter has clogged. Check filter and clean or replace the filter. PS-STR3	
194	W419.03 1 Line FILTER clogged	Filter has clogged. Check filter and clean or replace the filter. PS-FLT1	
195	W419.04 2 Buffer cylinder process time over	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
196	W419.05 2 Die AC servo origin set not complete	Origin position setting is not performed. Perform the origin position setting on the origin set screen.	
197	W419.06 3 Oil cooler water valve close fault	Water flow valve of oil cooler is closed or limit switch is turned off. Check the limit switches and wiring. Open the water flow valve.	
198	W419.07 1 Vacuum pressure low	Vacuum pressure in the main vacuum tank is low. Check the vacuum tank.	
199	W419.08 1 Chil vent clogged	Chill vent has clogged. Check filter.	
200	W419.09 Ejector encoder fault	Encoder data change out of range. Check the encoder and wiring.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
201	W420.00 1 Line FILTER2 clogged	Filter has clogged. Check filter and clean or replace the filter. PS-FLT2	
202	W420.01 1 Line FILTER3 clogged	Filter has clogged. Check filter and clean or replace the filter. PS-FLT3	
203	W420.02 1 Line FILTER4 clogged	Filter has clogged. Check filter and clean or replace the filter. PS-FLT4	
204	W420.03 ACC2 booster forward process time over		
205	W420.04 ACC2 booster return process time over		
206	W420.05		
207	W420.06		
208	W420.07		
209	W420.08		
210	W420.09 2 PLC output circuit CP OFF in Remote panel	CP of output circuit has been OFF in the remote I/O panel. Check earth leakage and short circuit. Check solenoid valv. Turn ON the CP after countermeasure.	
211	W421.00 2 Tie bar SOL CP OFF	CP of tie bar solenoid valve has been OFF. Check earth leakage and short circuit. Check solenoid valv. Turn ON the CP after countermeasure.	
212	W421.01 2 PLC output circuit CP OFF in Operation panel	CP of output circuit has been OFF in the operation panel. Check earth leakage and short circuit. Check solenoid valv. Turn ON the CP after countermeasure.	
213	W421.02 2 Die open start position over	Die open too much by projection befor servo die open Reduce the projection speed setting.	
214	W421.03 2 Prevention Of Twice Pouring	Cycle Starting Performed Without Shot Perform The Shot Advancing and Remove The Aluminium Bundle In The Sleeve.	
215	W421.04 1 Panel cooler fault(Control Panel)	Panel cooler is fault. Check the panel cooler.	
216	W421.05 1 Panel cooler fault(Operation Panel)	Panel cooler is fault. Check the panel cooler.	
217	W421.06 0 Control panel door open	Panel door is opened. Please close the door.	
218	W421.07 1 Biscuit thickness out of range for Ex	The measured value went beyond the biscuit thickness upper or lower limit. Check the metal volume and setting data.	
219	W421.08 1 Biscuit thickness out of range for Wa	The measured value went beyond the biscuit thickness upper or lower limit. Check the metal volume and setting data.	
220	W421.09 2 Die locking force over alarm	Die locking force over the upper limit. Check the sensor and solenoid valve.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
221	W422.00 2 Die locking force under alarm	Die locking force under the lower limit. Check the sensor and solenoid valve.	
222	W422.01 1 Die locking force over(Op. Upper)	Die locking force over the upper limit. Check the sensor and solenoid valve.	
223	W422.02 1 Die locking force under(Op. Upper)	Die locking force under the lower limit. Check the sensor and solenoid valve.	
224	W422.03 1 Die locking cylinder encoder fault(OP)	Encoder data change out of range. Check the encoder and wiring.	
225	W422.04 1 Die locking cylinder encoder fault(OP)	Encoder data change out of range. Check the encoder and wiring.	
226	W422.05 1 Die locking cylinder encoder fault(HE)	Encoder data change out of range. Check the encoder and wiring.	
227	W422.06 1 Die locking cylinder encoder fault(HE)	Encoder data change out of range. Check the encoder and wiring.	
228	W422.07 1 Die locking pressure drop(TOP)	Die locking force under the lower limit. Check the sensor and solenoid valve.	
229	W422.08 1 Die locking pressure drop(BOTTOM)	Die locking force under the lower limit. Check the sensor and solenoid valve.	
230	W422.09 2		
231	W423.00 Ejector encoder origin set fault		
232	W423.01		
233	W423.02		
234	W423.03 Tie bar driving INVERTER abnormal	Inverter trips via protection, and arm inverter is faulty. Check error code displayed by panel inverter unit. Wait about 30-40 second and press alarm reset push button switch to reset inverter and restore to normal.	
235	W423.04 2 Tie bar AUTO remove operation process	The movement did not finish within the regular time. Check the solenoid valve, the limit switch, and wiring.	
236	W423.05 2 Tie bar AUTO insert operation process	The movement did not finish within the regular time. Check the solenoid valve, the limit switch, and wiring.	
237	W423.06 2 Die protection fault	Foreign object is in the die. Remove the foreign object.	
238	W423.07 2		
239	W423.08 2		
240	W423.09 2 Die close end position fault	The position of the die locking cylinder at the end time of boosting was abnormal. Check the inside of dies.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
241	W424.00 2 Core sequence setting error	Core oder setting data is abnormal. Retry set core oder.	
242	W424.01 0 Data setting display fault	A communication hand Check PD power on. Check communication cable and communucation unit.	
243	W424.02 0		
244	W424.03 1 Quality consecutive NG (Cycle stop)	The casting measuring value is continuously out of range. Check the condition or review the range setting value of the quality setting screen.	
245	W424.04 0 Quality consecutive NG (Alarm)	The casting measuring value is continuously out of range. Check the condition or review the range setting value of the quality setting screen.	
246	W424.05 0 Data setting display battery fault	Battery voltage getting low. Change the battery. V7-BT	
247	W424.06 1 MAINTENANCE COUNTER (DIE) 1	The maintenance counter count up. Reset the counter.	
248	W424.07 1 MAINTENANCE COUNTER (DIE) 2	The maintenance counter count up. Reset the counter.	
249	W424.08 1 MAINTENANCE COUNTER (DIE) 3	The maintenance counter count up. Reset the counter.	
250	W424.09 1 MAINTENANCE COUNTER (DIE) 4	The maintenance counter count up. Reset the counter.	
251	W425.00 0 PD error		
252	W425.01 1 Lot complet	It reached the production plan quantity. Reset the counter.	
253	W425.02 0 Maintenance alarm(Tip)	The maintenance counter count up. Reset the counter.	
254	W425.03 0 Maintenance alarm(plunger sleeve)	The maintenance counter count up. Reset the counter.	
255	W425.04 0 Maintenance alarm(Ball Screw)	The maintenance counter count up. Reset the counter.	
256	W425.05 0 Maintenance alarm(Linear Way)	The maintenance counter count up. Reset the counter.	
257	W425.06 1 Ladler arm inverter fault	Inverter trips via protection, and arm inverter is fauly. Check error code displayed by panel inverter unit. Wate about 30-40 second and press alarm reset push button switch to reset inverter and restore to normal.	
258	W425.07 1 Ladler ladle inverter fault	Inverter trips via protection, and arm inverter is fauly. Check error code displayed by panel inverter unit. Wate about 30-40 second and press alarm reset push button switch to reset inverter and restore to normal.	
259	W425.08 1 Ladler arm motor overload	Ladler arm motor thermal is tripped. Check the motor wiring and motor brake. Reset thermal relay.	
260	W425.09 1 Ladler ladle motor overload	Ladler arm motor thermal is tripped. Check the motor wiring and motor brake. Reset thermal relay.	

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
261	W426.00 1 Molten metal detection fault	Molten metal is detected at unlikely level. Remove aluminum adhering to electrode.Clean and dry insulating asbestosguide.	
262	W426.01 1 Molten metal detection wire cut	Molten metal level detection electrode circuit is disconnected. Check electrode wiring.Check heat-resistant wire continuity and/or replace.	
263	W426.02 0 Molten metal low level	Molten aluminium shortage. Alminium supply in furnace.	
264	W426.03 1 Ladler safety guard open	Ladler's safety guard open. Close safety guard.Adjust safety fence limit switch.	
265	W426.04		
266	W426.05		
267	W426.06 1 Ladler arm encoder origin set alarm	Encoder data(before power on) disagree with encoder data(after power on). Check the encoder and wiring.	
268	W426.07 1 Ladler ladle encoder origin set alarm	Encoder data(before power on) disagree with encoder data(after power on). Check the encoder and wiring.	
269	W426.08 1 Ladler arm encoder fault	Encoder data change out of range. Check the encoder and wiring.	
270	W426.09 1 Ladler ladle encoder feault	Encoder data change out of range. Check the encoder and wiring.	
271	W427.00 1 Ladler arm LS fault	Limit switches that don't be actuat at the same time are actuated. Check the encoder and wiring.	
272	W427.01 1 Ladler ladle LS fault	Limit switches that don't be actuat at the same time are actuated. Check the encoder and wiring.	
273	W427.02 1		
274	W427.03 1		
275	W427.04 1		
276	W427.05 1		
277	W427.06 1 Ladler arm LS fault	Limit switches that don't be actuat at the same time are actuated. Check the encoder and wiring.	
278	W427.07 1 Ladler ladle LS fault	Limit switches that don't be actuat at the same time are actuated. Check the encoder and wiring.	
279	W427.08 1 Ladler arm forward over run	Ladler arm arrive at forward end limit. Check the position setting data,velocity(inverter) setting data and brake.	
280	W427.09 1		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
281	W428.00 1 Ladler ladle pour over run	Ladler arm overrun limit. Check the position setting data, velocity(inverter) setting data and brake.	
282	W428.01 1 Ladler ladle unpour over run	Ladler arm overrun limit. Check the position setting data, velocity(inverter) setting data and brake.	
283	W428.02 1 Ladler arm return over run	Ladler arm overrun limit. Check the position setting data, velocity(inverter) setting data and brake.	
284	W428.03 1 Metal volume comp. higher alarm	Metal volume auto compensation control value are over upper limit. Check the setting value, measuring value and sensor input.	
285	W428.04 2 Metal volume comp. lower alarm	Metal volume auto compensation control value are over upper limit. Check the setting value, measuring value and sensor input.	
286	W428.05 0		
287	W428.06 1 Ladler arm forward process time over	A movement did not finished in regular time. Check the inverter,motor and encoder.	
288	W428.07 1 Ladler arm return process time over	A movement did not finished in regular time. Check the inverter,motor and encoder.	
289	W428.08 1 Ladler ladle pour Process Time over	A movement did not finished in regular time. Check the inverter,motor and encoder.	
290	W428.09 1 Ladler ladle unpour Process Time over	A movement did not finished in regular time. Check the inverter,motor and encoder.	
291	W429.00 2		
292	W429.01 0		
293	W429.02 1		
294	W429.03 0		
295	W429.04 1		
296	W429.05 0		
297	W429.06 1		
298	W429.07 1		
299	W429.08 1		
300	W429.09 1		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
301	W430.00 1		
302	W430.01		
303	W430.02		
304	W430.03		
305	W430.04		
306	W430.05		
307	W430.06		
308	W430.07		
309	W430.08		
310	W430.09 1		
311	W431.00 1		
312	W431.01		
313	W431.02		
314	W431.03		
315	W431.04		
316	W431.05		
317	W431.06		
318	W431.07		
319	W431.08		
320	W431.09		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
321	W432. 00		
322	W432. 01		
323	W432. 02		
324	W432. 03		
325	W432. 04		
326	W432. 05		
327	W432. 06		
328	W432. 07		
329	W432. 08		
330	W432. 09		
331	W433. 00		
332	W433. 01		
333	W433. 02		
334	W433. 03		
335	W433. 04 0 Extracter R/B fault(Alarm)	Extractor robot fault. check the Extractor robot.	
336	W433. 05 2 Extracter R/B fault(Immediate stop)	Extractor robot fault. check the Extractor robot.	
337	W433. 06 1 Extracter R/B fault(Cycle stop)	Extractor robot fault. check the Extractor robot.	
338	W433. 07 1 Robot cycle stop	Extractor robot fault. check the Extractor robot.	
339	W433. 08		
340	W433. 09		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
341	W434. 00 2 Spray R/B fault	Sprayer robot fault. check the Sprayer robot.	
342	W434. 01		
343	W434. 02		
344	W434. 03		
345	W434. 04		
346	W434. 05		
347	W434. 06		
348	W434. 07		
349	W434. 08		
350	W434. 09		
351	W435. 00		
352	W435. 01		
353	W435. 02		
354	W435. 03		
355	W435. 04 2 Rbot part teaken delay	Robot did not come in the die to take the part. Part is extracted halfway position. Please remove the part from the die.	
356	W435. 05		
357	W435. 06		
358	W435. 07		
359	W435. 08		
360	W435. 09		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
361	W436.00		
362	W436.01		
363	W436.02		
364	W436.03		
365	W436.04		
366	W436.05		
367	W436.06 1 Ring tip device fault	Ring tip fault. check the Ring tip device.	
368	W436.07 1 Tip select unmach	Unmach between selector switch and setting data.	
369	W436.08 1 Mov die temperature fault	Check sensor and die condition.	
370	W436.09 1 Fix die temperature fault	Check sensor and die condition.	
371	W437.00		
372	W437.01		
373	W437.02		
374	W437.03		
375	W437.04		
376	W437.05		
377	W437.06		
378	W437.07		
379	W437.08		
380	W437.09		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
381	W438. 00		
382	W438. 01		
383	W438. 02		
384	W438. 03		
385	W438. 04		
386	W438. 05		
387	W438. 06 0 Ejector return LS OFF during die open	Return limit of ejector was off during die opening. Check the die and ejector condition.	
388	W438. 07 0 Die open over run	Please check the drive system.	
389	W438. 08 0		
390	W438. 09 1 Upper tie bar setting fault	Upper tie bar set complete signal was OFF. Check limit switch and wire of tie bar, fix nut.	
391	W439. 00 0		
392	W439. 01 1 Die clamper setting fault	Die clamp set complete signal was OFF. Check pressure and wiring.	
393	W439. 02 0 Mov nut open LS OFF	Mov nuts open signal was OFF. Check limit switch, wiring and mounting.	
394	W439. 03		
395	W439. 04		
396	W439. 05		
397	W439. 06		
398	W439. 07		
399	W439. 08		
400	W439. 09		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
401	W440.00		
402	W440.01		
403	W440.02		
404	W440.03		
405	W440.04		
406	W440.05		
407	W440.06		
408	W440.07		
409	W440.08		
410	W440.09		
411	W441.00		
412	W441.01		
413	W441.02		
414	W441.03		
415	W441.04		
416	W441.05		
417	W441.06 1 Power cool cycle stop	Received a cycle stop signal from the power cool device. check the power cool device.	
418	W441.07 1 Metal temperature low	Check the furnace.	
419	W441.08		
420	W441.09		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
421	W442.00 1		
422	W442.01 1		
423	W442.02 1		
424	W442.03 1		
425	W442.04 1		
426	W442.05 1		
427	W442.06 1		
428	W442.07 1		
429	W442.08 1 Condition monitor device fault	Condition monitor fault. check the Condition monitor device.	
430	W442.09 1 Sensor vaccum motor overload	Motor for sensor vacuum is overload. Check the open phase/screw looseness/thermal relay reset, etc. Check mechanical system.	
431	W443.00 1		
432	W443.01 1		
433	W443.02 1		
434	W443.03 1		
435	W443.04 1		
436	W443.05 1		
437	W443.06 1		
438	W443.07 1		
439	W443.08 1		
440	W443.09 1		
441	W444.00 2		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
442	W444.01 1		
443	W444.02 0		
444	W444.03 1		
445	W444.04 0		
446	W444.05 0		
447	W444.06 0		
448	W444.07 1		
449	W444.08 0		
450	W444.09 0		
451	W445.00 1		
452	W445.01 1		
453	W445.02 2		
454	W445.03 1		
455	W445.04 0		
456	W445.05 2		
457	W445.06 1		
458	W445.07 1		
459	W445.08 2		
460	W445.09 2		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
461	W446. 00 2		
462	W446. 01 2		
463	W446. 02 2		
464	W446. 03 2		
465	W446. 04 2 Mov nut close process time over (OP BOT)	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
466	W446. 05 2		
467	W446. 06 2 Mov nut close process time over (OP TOP)	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
468	W446. 07 2		
469	W446. 08 2 Mov nut close process time over (HE BOT)	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
470	W446. 09 2		
471	W447. 00 2 Mov nut close process time over (HE TOP)	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
472	W447. 01 2		
473	W447. 02 2 Mov nut open process time over (OP BOT)	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
474	W447. 03 2		
475	W447. 04 2 Mov nut open process time over (OP TOP)	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
476	W447. 05 2		
477	W447. 06 2 Mov nut open process time over (HE BOT)	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
478	W447. 07 2		
479	W447. 08 2 Mov nut open process time over (HE TOP)	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
480	W447. 09 2		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
481	W448.00 2 Die locking cylinder open process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
482	W448.01 2 Die locking cylinder open process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
483	W448.02 2 Die locking cylinder open process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
484	W448.03 2 Die locking cylinder open process time	A movement did not finished in regular time. Check the solenoid valve and limit switch.	
485	W448.04 0 Core return LS OFF	Return limit of the core was turned OFF. Check the limit switch. Check the die condition.	
486	W448.05 0 Squeeze return LS OFF	Return limit of the squeeze was turned OFF. Check the limit switch. Check the die condition.	
487	W448.06 0 Safety hook insert LS OFF	Insert limit of the safety hook was turned OFF. Check the limit switch.	
488	W448.07 0 Ejector return LS OFF	Return limit of the ejector was turned OFF. Check the ejector encoder. Check the die condition.	
489	W448.08 0 Core return LS OFF at ejection	Return limit of the core was turned OFF. Check the limit switch. Check the die condition.	
490	W448.09 0 Die open LS OFF	Die open limit was turned OFF. Check the encoder. Please check the drive system.	
491	W449.00 0 Projection limit setting fault		
492	W449.01 2		
493	W449.02 2		
494	W449.03 1 No.1 core insert limit came off fault	Core insert limit was come off during shot. Check the limit switch and in the die.	
495	W449.04 1 No.2 core insert limit came off fault	Core insert limit was come off during shot. Check the limit switch and in the die.	
496	W449.05 1 No.3 core insert limit came off fault	Core insert limit was come off during shot. Check the limit switch and in the die.	
497	W449.06 1 No.4 core insert limit came off fault	Core insert limit was come off during shot. Check the limit switch and in the die.	
498	W449.07 1 No.5 core insert limit came off fault	Core insert limit was come off during shot. Check the limit switch and in the die.	
499	W449.08 1 No.6 core insert limit came off fault	Core insert limit was come off during shot. Check the limit switch and in the die.	
500	W449.09 2		

No.	ALARM MESSAGE (80 LETTERS)	Details of measure against alarm (80 LETTERS×4)	REMARKS
501	W450.00 2		
502	W450.01 2		
503	W450.02 2		
504	W450.03 2		
505	W450.04 2		
506	W450.05 2		
507	W450.06 2		
508	W450.07 2		
509	W450.08 2		
510	W450.09 2		
511	W451.00 2		
512	W451.01 2		