

G碼 編碼登錄表

序號	編號	中文	English	group
1	G00	定位	Positioning	1
2	G01	線性插補	Linear interpolation	
3	G02	圓弧插補/螺旋插補 CW	Circular interpolation/Helical interpolation CW	
4	G03	圓弧插補/螺旋插補 CWW	Circular interpolation/Helical interpolation CWW	
5	G02.2, G03.2	漸開線插補	Involute interpolation	
6	G02.3, G03.3	指數函數插補	Exponential function interpolation	
7	G02.4, G03.4	三維圓弧插補	Three-dimensional circular interpolation	
8	G04	暫停、準確停止	Dwell. Exact stop	0
9	G05	高速循環加工	High speed cycle machining	0
10	G05.1	AI輪廓/AI納米輪廓/平滑插補	AL contour/AL nano contour/Smooth interpolation	
11	G05.4	HRV3 on/off	HRV3 on/off	0
12	G06.2	NURBS 補插	NURBS interpolation	1
13	G07	假想軸補插	Hypothetical axis interpolation	0
14	G07.1(G107)	圓柱補插	Cylindrical interpolation	
15	G08	先行控制	Advanced preview control	
16	G09	準確停止	Exact stop	
17	G10	可編程數據輸入	Programmable data input	
18	G10.6	刀具的取回和收回	Tool retract and return	
19	G11	可編程數據輸入取消	Programmable data input mode cancel	
20	G12.1	極座標補插方式	Polar coordinate interpolation mode	25
21	G13.1	極座標插補取消方式	Polar coordinate interpolation cancel mode	25
22	G15	極座標命令取消	Polar coordinates command cancel	17
23	G16	極座標命令	Polar coordinates command	
24	G17	Xp Yp平面	Xp Yp plane selection	
25	G18	Zp Xp平面	Zp Xp plane selection	2
26	G19	Yp Zp平面	Yp Zp plane selection	
27	G20	英制輸入	Input in inch	
28	G21	米制輸入	Input in mm	6
29	G22	存儲的沖程檢查功能ON	Stored stroke check function on	4
30	G23	存儲的沖程檢查功能OFF	Stored stroke check function off	
31	G25	主軸速度變動檢測OFF	Spindle speed fluctuation detection off	24
32	G26	主軸速度變動檢測ON	Spindle speed fluctuation detection on	
33	G27	參考位置返回檢查	Reference position return check	
34	G28	自動返回至參考位置	Automatic return to reference position	0
35	G29	從參考位置自動返回	Automatic return from reference position	
36	G30	第二, 第三, 第四參考位置返回	2nd, 3rd and 4th reference position return	
37	G30.1	可變參考位置返回	Floating reference point return	
38	G31	跳躍功能	Skip function	
39	G31.8	EGB跳躍功能	EGB skip function	
40	G31.9	連續高速跳躍功能	Continuous high-speed skip function	
41	G33	螺紋切削	Thread cutting	1
42	G37	刀具刀度自動測定	Automatic tool length measurement	0
43	G39	拐角圓弧插補	Corner offset circular interpolation	
44	G40	刀具半徑補償取消/三維刀具補償取消	Cutter compensation cancel/three-dimensional tool compensation cancel	7
45	G41	刀具半徑補(左)/三維刀具補償	Cutter compensation left/three-dimensional tool compensation	
46	G41.2	三維刀具半徑補償(刀具側面偏置)左側	Three-dimensional cutter compensation (Tool side compensation) left side	
47	G41.3	三維刀具半徑補償(前沿偏置)	Three-dimensional cutter compensation (Leading edge offset)	
48	G42	刀具半徑補償(右)	Cutter compensation right	
49	G42.2	三維刀具半徑補償(刀具側面偏置)右側	Three-dimensional cutter compensation (Tool side compensation) right side	

僅供參考

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序號	編號	中文	English	group
50	G40.1(G150)	法線方向控制取消方式	Normal direction control cancel mode	19
51	G41.1(G151)	法線方向控制左側ON	Normal direction control left side on	
52	G42.1(G152)	法線方向控制右側ON	Normal direction control right side on	
53	G43	刀具長度補償+	Tool length compensation + direction	8
54	G44	刀具長度補償-	Tool length compensation - direction	
55	G45	刀具位置偏置 伸長	Tool offset increase	0
56	G46	刀具位置偏置 縮短	Tool offset decrease	
57	G47	刀具位置偏置 伸長2倍	Tool offset double increase	
58	G48	刀具位置偏置 縮短2倍	Tool offset double decrease	
59	G49	刀具長度補償取消	Tool length compensation cancel	8
60	G50	定標取消	Scaling cancel	11
61	G51	定標	Scaling	
62	G50.1	可編程鏡像取消	Programmable mirror image cancel	22
63	G51.1	可編程鏡像	Programmable mirror image	
64	G52	局部座標系設定	Local coordinate system setting	0
65	G53	機床座標系選擇	Machine coordinate sysem selection	14
66	G54	工作座標系1選擇	Workpiece coordinate system 1 selection	
67	G54.1	附加工件座標系選擇	Additional workpiece coordinate system selection	23
68	G54.2	轉台動態定位器偏置	Rotary table dynamic fixture offset	
69	G55	工件座標系2選擇	Workpiece coordinate system 2 selection	
70	G56	工件座標系3選擇	Workpiece coordinate system 3 selection	
71	G57	工件座標系4選擇	Workpiece coordinate system 4 selection	14
72	G58	工件座標系5選擇	Workpiece coordinate system 5 selection	
73	G59	工件座標系6選擇	Workpiece coordinate system 6 selection	
74	G60	單向定位	Single direction positioning	00/01
75	G61	準確停止方式	Exact stop mode	15
76	G62	自動拐角過載	Automatic corner override	
77	G63	工絲方式	Tapping mode	
78	G64	切削方式	Cutting mode	
79	G65	宏程序調用	Macro call	0
80	G66	宏模態調用	Macro modal call	12
81	G67	宏模態調用取消	Macro modal call cancel	
82	G68	座標旋轉/三維座標變換	Coordinate rotation/three-dimesnsional coordinate conversion	16
83	G69	座標旋轉取消/三維座標變換取	Coordinate rotation cancel/three-dimesnsional coordinate	
84	G72.1	旋轉複製	Rotation copy	0
85	G72.2	平行複製	Linear copy	
86	G73	深孔鉗孔循環	Peck drilling cycle	9
87	G74	反向攻絲循環循環	Counter tapping cycle	
88	G75	切入磨削環(用于磨床)	Plunge grinding cycle (for grinding machine)	1
89	G76	精細鉗孔循環	Fine boring cycle	9
90	G77	切入直接固定尺寸磨削循環(用于磨床)	Direct constant-dimension plunge grinding cycle (for grinding machine)	1
91	G78	連續進刀表面磨削循環(用于磨床)	Continuous-feed surface grinding cycle(for grinding machine)	
92	G79	間歇進刀表面磨削循環(用于磨床)	Intermittent-feet surface grinding cycle (for grinding machine)	
93	G80	固定循環取消/外部操作功能取	Canned cycle cancel/external operation function canel	9
94	G80.5	電子齒輪箱(EGB) 同步開始(2軸用命令)	Synchronization start of electronic gear box (EGB) (for two axes program-ming)	24
95	G81	鉗孔循環 定點鉗孔循環/外部操作功能	Drilling cycle, spot boring cycle or external operation function	9
96	G81.1	切割功能	Chopping function	0

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97	G81.5	電子齒輪箱(EGB) 同步開始(2軸用命令)	Synchronization start of electronic gear box (EGB) (for two axes program-ming)	24
98	G82	鉗孔循環、鏜階梯孔循環	Drilling cycle or counter boring cycle	9
99	G83	深孔鉗孔循環	Peck drilling cycle	
100	G84	攻絲循環	Tapping cycle	
101	G85	鏜孔循環	Boring cycle	
102	G86	鏜孔循環	Boring cycle	
103	G87	反向鏜孔循環	Back boring cycle	
104	G88	鏜孔循環	Boring cycle	
105	G89	鏜孔循環	Boring cycle	
106	G90	絕對命令	Absolute command	
107	G91	增量命令	Increment command	3
108	G92	工件座標系的設定/主軸最高轉速箱制	Setting for work coordinate system or clamp at maximum spindle speed	0
109	G92.1	工件座標系預設	Workpiece coordinate system preset	5
110	G94	每分鐘進刀	Feed per minute	
111	G95	每轉進刀	Feed per rotation	
112	G96	圓周速度恒定控制	Constant surface speed control	13
113	G97	圓周速度恒定控制取消	Constant surface speed control cancel	
114	G98	固定循環初始平面返回	Return to initial point in canned cycle	10
115	G99	固定循環R點平面返回	Return to R point in canned cycle	
116	G160	橫切控制功能取消(用于磨床)	In-feed control function cancel(for grinding machine)	20
117	G161	橫切控制功能(用于磨床)	In-feed control function (for grinding machine)	

僅供參考

Leaderway