T No.	SETTING VALUE	UNIT	COMMENT
T 1	0		Turret unclamp time
T 2	200		Chuck close confirmation time except front mount air chuck
T 3	100		Safty time of front mount air chuck
T 4			
T 5	50		Tool eye brake on time (under forward)
T 6	20		Tool eye brake off time (under forward)
T 7	80		Adjust the best time to the movement of the tool eye
T 8		10 msec	
T 9			
T10			
T11			
T12			
T13			
T14			Movement time of X Axis for automation home return
T15			Movement time of Z Axis for automation home return
T16			Movement time of B Axis for automation home return
T17	10		Spindle rotation time
T18	5		Spindle stop time
T19	30		6M finish time (YME B/F: IRCO type)
T20	0		Spindle inverse time at tap cycle
T21	30		Chuck air blast time
T22	10		Chuck close confirmation time (External 6M, 7M use)
T23	6		Tail body unclamp time
T24	10	100 msec	Tool eye reverse end confirmation time
T25	10		Tool eye forward end confirmation time
T26	0		Head lubircation alarm time
T27	4800		Slideway lubrication alarm time
T28	30		Hydraulic pressure low time
T29	30		Air pressure low time
T30	30		Hydraulic pressure low time (ROBOT SPEC.)
T31	30		Auto power off time after cycle finish
T32	30		Work rest fin time

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Mazak YAMAZAKI MAZAK CORPORATION	CHK'D BY 90·10·15 K.YASUDA	DRAWN BY 90·10·8 A.MAEDA	TITLE MACHINE PARAMETER TIMER (1)
			DRAWN NO. 34100110280, 0

T No.	SETTING VALUE	UNIT	COMMENT
T33	0		SP spindle rotation time /Gear shift time 1
T34	0		SP spindle stop time /Gear shift time 2
T35			/Gear shift time 3
T36	0		SP spindle inverse time at tap cycle
T37	0		SP chuck air blast time
T38			
T39	0		SP spindle gear lubrication alarm time
T40			
T41	0		Air blast time in SP spindle at synchronization
T42	0		Main spindle rotation delay time at synchronization
T43			
T44			
T45			
T46			
T47	5		Chuck clamp pulse time (SAMECA or IRCO ⁸/₈)
T48	0	100 msec	Ball screw lubrication alarm time
T49	0		slideway motor off time
T50	0		Slideway motor 1 cycle time
T51	0		Tail sleeve reverse time (Without L.S)
T52	0		Tail sleeve forward time (Without L.S)
T53			
T54			
T55			
T56			
T57			
T58			
T59			
T60			
T61			
T62			
T63			
T64			

Mazak YAMAZAKI MAZAK CORPORATION	CHK'D BY	DRAWN BY	TITLE
	90·10·15	90·10·8	MACHINE PARAMETER TIMER (2)
	K.YASUDA	A.MAEDA	DRAWN NO. 34100110290, 0

	R No.	SETTING VALUE	RANGE	COMMENT	PLC DEVICE
	R 1	45	0~255	Spindle speed at "Spindle jog mode" (RPM)	
	R 2	0		Mill spindle speed at "Mill spindle jog mode" (RPM)	
	R 3	45		Spindle speed at "Chuck air blast" (RPM)	
	R 4	0		Spindle speed at "Gear shift" (RPM)	
	R 5				
	R 6				
	R 7	0		Spindle speed change	
	R 8	0		Mill speed change	
	R 9	0		SP spindle speed at "SP spindle jog mode"	
	R10				
	R11	0		SP spindle speed at "SP chuck air blast"	
	R12	0		Adjust of load meter for sp spindle	
	R13				
	R14				
	R15				
	R16				
	R17		0~65535	The first number of the random M-CODE No.1	
	R18			Warming up working program No.	
	R19			Rest material cutting program number	
	R20	*1		The first number of the random M-CODE No.2	
⚠	R21	400		The first number of the random M-CODE No.3	
⚠	R22	402		The first number of the random M-CODE No.4	
	R23			The first number of the decode M-CODE (appointed of 10 pieces or appointed of 100 pieces)	
	R24				
	R25				
	R26				
	R27				
	R28				
	R29				
	R30	45		Spindle speed at "Bar feeder inching"	
	R31			Limit of spindle speed when chuck open	
	R32				

*1.RANDOM M CODE SPEC. ONLY SET

5.			
4.			
3.			
2.			
1.	ADD.M CODE	'93.03.20	A.0

Mazak
YAMAZAKI MAZAK CORPORATION

CHK'D BY	DRAWN BY	TITLE
'93·03·20	'93·03·20	PLC PARAMETER DATA (1)
S.KIRISAWA	A.OHSHIO	DRAWN NO. 34100110301, 0

R No.	SETTING VALUE	RANGE	COMMENT	PLC DEVICE
R33		0~65535	Adjust spindle orient (M19 & MANUAL) (UNIT °/10)	
R34			Spindle orient angle (ROBOT) (UNIT °/10)	
R35			Spindle orient angle (M16) (UNIT °/10)	
R36			Spindle orient angle (M17) (UNIT °/10)	
R37			Spindle orient angle (M18) (UNIT °/10)	
R38				
R39				
R40				
R41				
R42				
R43				
R44				
R45				
R46				
R47				
R48				

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Mazak YAMAZAKI MAZAK CORPORATION	CHK'D BY 90·10·15 K.YASUDA	DRAWN BY 90·10·8 A.MAEDA	TITLE PLC PARAMETER DATA (2)
			DRAWN NO. 34100110310.0

R No.	BIT	COMMENT	SETTING VALUE				PLC DEVICE
R49	0	Chuck stroke confirmation use	0		1	Use	M 0
	1	Automatic chuck (6M, 7M)	0		1	Valid	M 1
	2	Chuck foot SW.Double type & single alternate	0		1	Valid	M 2
	3	Double foot SW. Unchuck inching	0		1	Valid	M 3
	4	Front mount air chuck	0		1	Valid	M 4
	5	External finish of 6M & 7M	0		1	Valid	M 5
	6	Bar feeder	0		1	Valid	M 6
	7	Roller bar feeder	0		1	Valid	M 7
R50	0	Tool eye	0		1		M 8
	1	Chuck pressure High-Low	0		1	Valid	M 9
	2	Auto mode at power on (Absolute amp)	0		1	Auto mode at power on	M10
	3		0		1		M11
	4		0		1		M12
	5		0		1		M13
	6	Work rest 1	0		1	Work rest 1	M14
	7	Work rest 2	0		1	Work rest 2	M15
R51	0	Robot	0		1	Robot	M16
	1	Robot unchuck command	0	Valid	1	Invalid	M17
	2	FLEX 15/50	0		1	FLEX 15/50	M18
	3	Auto front door	0		1	Auto door	M19
	4	Manual SW.become effective at A mode	0		1	Valid	M20
	5	Auto chuck INT-EXT change (M72, M73)	0		1	Valid	M21
	6	Chuck air blast	0		1	Air blast	M22
	7	Spindle reverse (Chuck air blast)	0	CW at air blast	1	CCW at air blast	M23
R52	0	Optional M code output	0		1	Valid	M24
	1	Decode output same time	0		1	Valid	M25
	2	Warm-Up	0		1	Warm-up	M26
	3	Parts catcher	0		1	Parst catcher	M27
	4	Auto power off	0		1	Auto power off	M28
	5		0		1		M29
	6	Spindle orient index type	0		1	Index	M30
	7	Spindle orient	0		1	Spindle orient	M31
R53	0	M code decode output, appointed namber of two figuars	0	Undecode	1	Decode	M32
	1	External W-No.search date BCD/BIN select	0	BCD code	1	BIN code	M33
	2	Spindle orient each time	0		1	Valid	M34
	3		0		1		M35
	4	Over load detector	0		1	Valid	M36
	5		0		1		M37
	6		0		1		M38
	7	Pato light (M0, M1)	0		1	Pato light	M39
R54	0	Jog feed SW. X, Z Axis same time	0		1	Valid	M40
	1	Cycle start disable when door open	0		1	Valid	M41
	2	MF1 SW. valid (Cycle start while door open)	0		1	Valid	M42
	3	Rapid/home mode enable when tool set	0		1	Valid	M43
	4	Error detect off when power on	0	Error detect on	1	Error detect off	M44
	5	Chuck not clamp when power on	0	Chuck close	1	Chuck not close	M45
	6	Collet chuck	0	Power chuck	1	Collet chuck	M46
	7	MF1 SW.Valid	0	Invalid	1	Valid	M47

Mazak YAMAZAKI MAZAK CORPORATION	CHK'D BY 90·10·15 K.YASUDA	DRAWN BY 90·10·8 A.MAEDA	TITLE PLC PARAMETER BIT (1)
			DRAWN NO. 34100110320, 0

R No.	BIT	COMMENT	SETTING VALUE				PLC DEVICE
R55	0	Mill spec.	0		1	Mill	M48
	1	C Axis spec.	0		1	C Axis	M49
	2		0		1		M50
	3	AJC spec.	0		1	AJC	M51
	4	Universal spec. (tail)	0	Chucker	1	Universal	M52
	5		0		1		M53
	6		0		1		M54
	7		0		1		M55
R56	0	X Axis OT LS use	0		1	X OT LS	M56
	1	X Axis OT LS use	0		1	Z OT LS	M57
	2		0		1		M58
	3		0		1		M59
	4		0		1		M60
	5		0		1		M61
	6		0		1		M62
	7	M/c method of emergency stop release	0		1	M/c type	M63
R57	0		0		1		G 0
	1		0		1		G 1
	2		0		1		G 2
	3	Select BF alaem signal	0	OFF: alarm	1	ON: alarm	G 3
	4	BF/Robot mode select switch	0		1	Valid	G 4
	5	GMX: timer fin type (IRCO B/F)	0		1	IRCO B/F	G 5
	6	GMX: external fin type	0		1	Valid	G 6
	7	YME cycle bar feeder	0		1	YME cycle B/F	G 7
R58	0	Hydraulic pressuer interlock	0		1	Valid	G 8
	1	Air pressuer interlock	0		1	Valid	G 9
	2	Slidway inbrication of capacity type	0		1	Capacity type	G10
	3	Power off alarm at auto power off mode	0		1	Power off	G11
	⚠ 4	Tail sleeve pressure sw.	0		1	Valid	G12
	⚠ 5	Slideway lubricant unit (note 2)	0	Lube or Showa	1	Daido	G13
	⚠ 6	piece count (note 2)	0		1	Valid	G14
	⚠ 7	QT-35N spec.	0		1	Valid	G15
R59	0	Tail body use	0		1	Tail body	G16
	1	Tail body fixed	0	Tail body free	1	Tail body fix	G17
	2	Tail body unclamp switch (menu switch)	0		1	Menu switch	G18
	3	Tail body forward valid in spindle ratation	0		1	Valid	G19
	4	Tail sleeve for./rev. timer confirmation spec.	0		1	Timer spec.	G20
	5	Tail reverse valid in spindle rotation: M231	0		1	Valid	G21
	6	Tail body switch not use	0	Switch use	1	Switch not use	G22
	7	Tail sleeve for./rev. end confirmation	0		1	Use	G23
R60	0		0		1		G24
	1		0		1		G25
	2		0		1		G26
	3	Air coolant	0		1	Air coolant	G27
	4	Turret high speed type	0	Low speed	1	High speed	G28
	5		0		1		G29
	6	Turret type 1 (note 1)	0		1		G30
	7	Turret type 2 (note 1)	0		1		G31

(note 1)

Parameter \ type	8D/8P	8D/16P	12D/12P	12D/24P
R60-6	0	0	1	1
R60-7	0	1	0	1

(note 1) Parameter R58-5 and R58-6 cannot use sametime

⚠ ADD DAIDO SPEC. 93.8.10 A.0	YAMAZAKI MAZAK CORPORATION	CHK'D BY 93·08·10 A.G	DRWN BY 93·08·10 A.0
		TITLE PLC PARAMETER BIT (2)	DRWN NO. 34100110331, 0

This product is subject to all applicable export control laws and regulations by Japanese Government.
本品は『外国為替及び外国貿易管理法』に該当しますので外国に輸出する場合には同法に基づく許可を必要とします。

R No.	BIT	COMMENT	SETTING VALUE				PLC DEVICE
R61	0		0		1		G32
	1	104# spindle	0		1	104# spindle	G33
	2		0		1		G34
	3		0		1		G35
	4	SSOP-SRR change (YOE)	0	SSOP	1	SRR	G36
	5	Spindle reverse by spindle for.com.in PC	0		1	Valid	G37
	6		0		1		G38
	7		0		1		G39
R62	0	Lubrication ezuipment of capacity type (conservation)	0		1	Conservation	G40
	1	QT8N & QT8N spec.	0		1	QT8N, QT8NSP	G41
	2	N.O. type of chuck confirmation LS	0	N.C. type	1	N.O. type	G42
	3		0		1		G43
	4	Cover close at cycle finish	0		1	Valid	G44
	5	Home position check before warming up	0		1	Valid	G45
	6	Test mode spec. (Door interlock)	0	Stop	1	Continuance	G46
	7		0		1		G47
R63	0	Middle position use of turret	0		1	Middle position	G48
	1	Index signal 5°use	0		1	5°signal	G49
	2	Manual turret rotation	0	1 step	1	Continuance	G50
	3		0		1		G51
	4		0		1		G52
	5		0		1		G53
	6	Offset data sign inverse of Z-Axis	0		1	Inverse	G54
	7		0		1		G55
R64	0	SP Chuck air blast	0		1	SP air blast	G56
	1	SP spindle reverse (Chuck air blast)	0		1	CCW at SP air blast	G57
	2	SP spindle orient	0		1	SP orient	G58
	3		0		1		G59
	4		0		1		G60
	5		0		1		G61
	6		0		1		G62
	7	Foot switch of main chuck	0	Sub foot sw	1	Main foot sw	G63
R65	0	Handle interrupt multiply 1 (note 2)	0		1		M64
	1	Handle interrupt multiply 2 (note 2)	0		1		M65
	2		0		1		M66
	3		0		1		M67
	4		0		1		M68
	5		0		1		M69
	6	Over load detector (Count type)	0		1	Valid	M70
	7	Before NC version "A2"	0	After "A3"	1	Before "A2"	M71
R66	0		0		1		M72
	1		0		1		M73
	2		0		1		M74
	3		0		1		M75
	4		0		1		M76
	5		0		1		M77
	6		0		1		M78
	7		0		1		M79

(note 2)

Parameter	X1	X10	X100	X1000
R65-0	0	1	0	1
R65-1	0	0	1	1

Mazak YAMAZAKI MAZAK CORPORATION	CHK'D BY 90·10·15 K.YASUDA	DRWN BY 90·10·8 A.MAEDA	TITLE PLC PARAMETER BIT (3)
			DRWN NO. 34100110340, 0

R No.	BIT	COMMENT	SETTING VALUE				PLC DEVICE
R67	0		0		1		G64
	1		0		1		G65
	2		0		1		G66
	3		0		1		G67
	4	Cycle start condition (Auto door spec.)	0	Door close	1	Door open	G68
	5		0		1		G69
	6	Spindle through coolant	0		1	Valid	G70
	7	Spindle air coolant	0		1	Valid	G71
R	0		0		1		
	1		0		1		
	2		0		1		
	3		0		1		
	4		0		1		
	5		0		1		
	6		0		1		
	7		0		1		
R	0		0		1		
	1		0		1		
	2		0		1		
	3		0		1		
	4		0		1		
	5		0		1		
	6		0		1		
	7		0		1		
R	0		0		1		
	1		0		1		
	2		0		1		
	3		0		1		
	4		0		1		
	5		0		1		
	6		0		1		
	7		0		1		
R	0		0		1		
	1		0		1		
	2		0		1		
	3		0		1		
	4		0		1		
	5		0		1		
	6		0		1		
	7		0		1		
R	0		0		1		
	1		0		1		
	2		0		1		
	3		0		1		
	4		0		1		
	5		0		1		
	6		0		1		
	7		0		1		

CHK'D BY	DRAWN BY	TITLE
90·10·15 K.YASUDA	90·10·8 A.MAEDA	PLC PARAMETER BIT (4)

Mazak YAMAZAKI MAZAK CORPORATION

DRAWN NO. 34100110350, 0