

## 參數說明 Parameter List

2013/10/31

So far, the software of 700QD collocates with four kinds of sewing machines (ECA/ECB、VTE/CTE) and three kinds sewing modes: Semi-auto (MA), auto treadle control (OT) and the auto electronic-eye control (A).

### Speed setting

Item	Code	Function	Range	Default	Unit	Description
1	H	Speed adjustment	200~7500	6000	rpm	This parameter is limited by the highest speed limit "56.HL."
2	LMS	Selection of slow start function	ON/OFF	OT/A:ON MA:OFF	//	ON: turn on      OFF: turn off
3	L	Slow start speed	200~6000	3000	rpm	Setting of slow start sewing speed
4	LSS	Stitch setting of slow start	1~100	30	針	Setting of stitches
5	KMS	Selection of stitch counter mode	NOP/UTS	NOP	//	NOP: deactivate      UTS: activate
6	KT	Setting of stitch target value	1~9999	99	次	Setting of stitch numbers
7	KV	Stitch display				5=UTS 6= 9999 Pieces Instantaneous display
8	SV	Machine rotary speed display			rpm	1 Instantaneous display the motor exact rotary speed.
9	TMD	Code of Machine Type	NOP/ECA/ ECB/VTE/ CTE	ECA	//	▲ NOP: general    ECA: pneumatic trimmer    VTE: mechanical side trimmer    CTE: mechanical flat knife Besides, the parameter won't be influenced by pressing the button of upward arrow.
10	MRM	Setting of motor rotary mode	MA/OT/A	MA	//	MA: semi-auto OT: one-shot (After pedaling once, the motor will immediate work until the sewing is finished.) A: automatic
11	TCT	Trimmer selection of manual / auto mode	M/A	A	//	M: Manual, under the mode of ECA/ECB, the sewing function is general type; the manual trimmer will work when the motor stops. A: Automatic, the trimmer works with the ECA/ECB.
12	TFS	Stitch Setting of starting the front trimmer	0~999	ECA/ECB : 7 VTE/CTE : 0	Stitch	CTE=0 or 5 delay suction , then 13 start suction Stitches setting

13	TFT	Stitch setting of the front suction duration.	0~99	ECA/ECB : 6 VTE/CTE : 30	Stitch	Stitch setting after trimming and suction
14	TSF	The suction duration of the front trimmer	0~2000	0	ms	When the front trimmer works, the setting value of the synchronous suction duration is "14.TSF."
15	TIN	Stitch setting of suction interval during sewing	0~999	50	Stitch	Performing the suction function by stitch setting during the sewing.
16	TIT	The suction duration setting when sewing	0~3000	0	ms	If set the value "16.TIT" as "0", the suction function will be shut down during sewing.
17	TBS	Stitch Setting of starting the rear trimmer	0~999	0	Stitch	VTE=0 or 5 delay Stitch setting after the fabric passes the electronic eye and trimming
18	TSD	Delay the suction timing after the rear trimmer	0~2000	100	ms	After trimming, delay for "18.TSD", and then perform suction for the setting time of "19.TST."
19	TST	The suction timing after the trimmer	0~2000	50	ms	The suction timing after the trimmer
20	TS2	Stitch setting when start the rear suction	0~999	0	Stitch	With the VTE/CTE mode, after the suction delays "20.TS2" stitches set the stitches in suction duration "21.TBT."
21	TBT	Stitch setting of the rear suction duration	0~999	36	Stitch	
22	SWC	Select the mode of suction	1/2/3/4/5	4		1. No suction 2. Only the front suction 3. Only the back suction 4. The front and back suction
23	TC	Select the mode the trimming	1/2/3/4	4	//	1. No trimming 2. Only the front trimming 3. Only the back trimming 4. Front and back trimming
24	TN1	Function selection of the needle up/down location	U/D/UD	U	//	U: The highest location D: The lowest location UD: The lowest location, but when the fully pedaling, the presser foot will be risen.
25	BUZ	Switch of buzzer	ON/OFF	ON	//	When reaching the presser protection (30sec) or the counter-stitches value, the buzzer will beep twice.
26	TT		0~300	30	ms	

		The initial full output time of the trimmer electromagnet				Time setting of powering the trimming electromagnet
28	EYE	After VTE/ CTE back suction finished, it will stop automatically.	ON/OFF	OT/A:ON MA:OFF	//	After VTE/ CTE back suction finished, it will stop automatically.
29	AD	Adjust and confirm the back electronic eye	Value display		//	No adjustments for general fabric, but for those special fabrics, please adjust the electric eye according to the electric eye adjusting operation manners. Please refer to the instruction The adjusting manner of the electric eye.
30	IRD	Adjust the strength of the back sensor	3~10	4	1	
31	IRT	The back electronic eye Threshold	10~990	350	10	
32	TFD	Auto test of electro valve	0~9	0	//	Number: 1. Pneumatic presser foot lift (perform for 2 sec) 2. Electronic presser foot lift (No function so far) 3. The trimmer (perform for 50ms) 4. Trimming and suction (perform for 2sec) 5. Suction (perform for 2 sec)
33	FMS	Select the type of auto presser foot lift	M/A	A	//	M: electric A: pneumatic
34	FT	The initial full output time of presser electromagnet	0~990	250	ms	DO NOT ADJUST the parameter of presser foot electromagnet.
35	FD	The motion cycle % of the presser foot electromagnet	10~50%	25	%	
36	FPM	Select to turn on the protecting function when the presser foot electromagnet performs.	ON/OFF	OFF	//	ON:開啟，進入壓腳逾時保護模式，由參數"37.FP"值設定保護時間。 OFF:關閉保護功能
37	FP	Set the protection time when the presser foot electromagnet performs.	1~300	電磁閥:120 電磁鐵:30	秒	
38	FMM	Select the mode of the presser foot.	ON/OFF	OT/A:ON MA:OFF	//	When the presser foot is risen and the "38.FMM" is on, the front electronic eye detects the fabric and delays for "39.FMS". The presser foot descends

39	FMS	Set the delay time when the presser foot descends.	1~3000	OT/A:200 MA:50	ms	automatically.
40	HT	Confirm the time of half pedaling the presser foot	0~990	100	ms	Set the time of delaying as pedaling half.
41	HFS	Function selection of the presser foot.	ON/OFF	OT/A:ON MA:OFF	//	“ When setting “41.HFS” as ON, with the mode of ECA/ECB, the presser foot will rise after the trimming and suction is finished. Under the mode of VTE/CTE, after the suction is done, the presser foot will rise automatically. If “41.HFS” is OFF, the function of auto presser foot will be shut down.
42	TTM	Type of pedal	ON/OFF	ON	//	Under the mode of OT/A, the pedal or the speed controller are both available. ON: the speed controller OFF: the pedal
43	BTM	After the trimming, the motor stops	ON/OFF	OT/A:ON MA:OFF	//	ON is to activate the auto stop; OFF is to deactivate the auto stop.
44	FTM	After the trimming, the motor stops, and then activate the interval time.	0~9990	50	ms	
45	ATF	The function of the pneumatic trimming components.	ON/OFF	OFF	//	Spare function
46	AVT	The time of the solenoid single movement	1~300	50	ms	Spare function
47	ACC	The motion times of the pneumatic trimming mechanism	1~10	3	times	Spare function
48	FMD	Delay the time of activating the motor.	50~500	OT/A:200 MA:50	ms	Descend the presser foot and after delaying for “48.FMD,” the motor will activate. When A node
49	SF	Manual trimmer protection	ON/OFF	ON	//	ON: When the electronic eye is obstructed, the trimmer is deactivated. OFF: Activate. When ECA/ECB is set
50	MSW	Function selection of safety switch	ON/OFF	ON	//	ON: Activate the protection function from the safety switch (When removing the photoelectric switch, stop the entire device and the motor) OFF: Deactivate the protection.
51	MUS	Motor emergency stop	ON/OFF	ON	//	ON: Turn on OFF: Turn off.
53	SDA	stop angle as the needle descending	0-360	0	Angle	Needle down position
54	SUA	The stop angle as the needle rising	0-360	220	Angle	Needle up position
55	ER	Fault code display	0~9		Set	The recent 10 sets of fault code can be memorized.
56	HL	The highest speed limit of the machine head	200~7500	6000	rpm	The highest speed limit (the highest priority), set “56.HL” as 7500rpm, and the parameter “01.H” can be set as the highest rotary speed.

57	ACR	The motor speed of assistant trimming	200-5000	3000	rpm	With the mode of VTE/CTE, after sewing, the function of "trimming and assistant suction" can be activated by pressing the button of manually trimming.
58	ACS	The rotary stitches of assistant trimming	1-99	20	Stitch	
59	CS	Adjust the sensor's sensitivity Pedal	1-5 1-5 section	2	1	Adjust "59.CS" to set the OT/A mode and decide the depth of pedaling by stepping the speed control for the motor start signal. The bigger section, the greater depth.
60	NUF	Needle auto-rising after turning on	ON/OFF	ON	//	ON: The needle rises automatically to the highest position after turning on. OFF: None function
61	LSH	Safety switch of side plate	ON/OFF	OFF	//	ON: Turn on OFF: None function
62	HVR	The highest voltage record display	//	//	//	"62HVR" and "63LVR" can record the highest and the lowest current effective value of the control box AC.
63	LVR	The lowest voltage record display	//	//	//	
64	PV	Present voltage record display	//	Instantaneous display	//	
65	AOT	Time setting of auto rotary test throughout	1~1000	240	hr	Time setting of auto rotary test throughout
66	AO1	Time setting of activating the auto performance	1~20	2	s	Time setting of activating the auto performance
67	AO2	Time setting of deactivating the auto performance	1~20	2	s	Time setting of deactivating the auto performance
68	AOS	Function of auto rotation	ON/OFF	OFF	//	ON: Start the auto rotation test OFF: Deactivate the auto rotation (Shutting down restores to the OFF state.)
69	UTT	Time display of auto rotation	1~1000	Instantaneous display	hr	Accumulate times by rotation In this parameter press the left button 5 seconds to clear the accumulated hours
70	VER	Display the software version				The display manner is SXEXX.
71	AFS	Auto mode of autmatic foot lift	ON/OFF	OFF	"	ON: Automatic sewing (electric eye automatically detects the fabric from the presser foot) OFF: turn off this function need other sensor

72	FBS	Front and rear electric eye needles set interval	1~50	30	針	Electric eye to detect the distance between the front and rear spaced needles
73	FN	Prevent rebound by the front electric eye ON	0~3000	5	ms	As the function description, the state of the front back sensor should be the continuous setting value time, eternal ON or eternal OFF, the state would be read for avoiding the errors from the sensor.
74	FF	Prevent rebound by the front electric eye OFF	0~3000	5	ms	
75	BN	Prevent rebound by the rear electric eye ON	0~3000	5	ms	
76	BF	Prevent rebound by the rear electric eye OFF	0~3000	5	ms	
78	PS	Password	//	OFF	//	Set the lock function as ON, all the parameters of the operation box cannot be changes. The unlock password: 168, press* key to input password 0168 the go to 078 to unlock==
79	FED	The front sensor rotation lock without fabric	ON/OFF	ON	//	Motor can run if set OFF Under the OT/A mode, if the front sensor detects no fabric, the motor will stop.
80	BKL	LED brightnest	0-5	2	1	Valid when panel is install
81		Language	Chinese Traditional / Chinese Simplified / English	3	3	Only valid when panel is install
82	FOO	Speed control devices AD value check	0~4096	Display value	"	Speed control devices for testing * Following the foot in the end AD value close to 0 * Front foot in the end value close to 4096 AD
83	ESS	Select the type of fabric sewn	ON/OFF	OFF	"	ON: mesh fabric OFF: general fabrics
84	FDS	Stitch of front sensor	1~20	5	針	When parameter 83 is ON, this parameter value is adjusted to be effective
85	BDS	Stitch of rear sensor	1~20	5	針	When parameter 83 is ON, this parameter value is adjusted to be effective
86	LOO	Motor stop delay stitches	0~99	5	stitch	Cloth before leaving the electric motor stop delay eye needles set
87	LSE	Manual cutter suction and thread tension release time	0~9999	1200	stitch	Pressing the manual cutter and the cutter suction thread while performing time setting
88	CST	Xiantou suction action time 1	0~9999	1200	Stitch	After withdrawing the thread cutting operation time setting
89	MSD	From the number of stitches when sewing thread set	1~200	1	stitch	From the number of stitches when sewing thread set
90	MSD	Xiantou suction action time 2	1~200	15	stich	From time withdrawing thread when sewing stitch number setting
91	MA	Suction operation manual before setting the knife	ON/OFF	OFF	stich	ON: a rear suction action by manual knife switch OFF: When you press the switch without manual cutter suction after operation

Note:

1. The parameter entry for hidden items 8,9, and left arrow keys pressed, the key and the S key after three seconds to enter. After adjustment into the future  
Bi recommend reboot, or 8,9 parameters will still appear.: