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1.2 PROFILER SETUP CONTROLS



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Running Recipe Name

1.2.1 THICKNESS ADJUSTMENT

You can adjust Basic Thickness, Profile Thickness, Point's Thickness by tapping + and – buttons or you can input directly on the keypad dialog by giving on value of it.

1.2.2 POINT SELECTION

You can scroll and select the point by tapping P+ or P- or write directly number of the point on the keypad dialog by giving on value of it. In order to Interpolate between two points, this points will have Master property, This Master property can be given/removed by tapping ADD or CLR button to the point when the cursor on it. Also as soon as you change a Point's Thickness value, this point will be Master Point automatically. You can scroll and select the Master Point by tapping M+ or M- then change the Point's Thickness and also Master Point property easily.

1.2.3 Shifting

You can shift the whole profile up an down by tapping Up and Dn buttons, and shift a master point up and down by tapping Mup and Mdn by increment value of one.

As you change the profile, you can **download** or **cancel** those changes by those buttons.

1.2.4 Marking

You can also temprorarily manupulate the parison by giving from & to points and the mark thickness. Then you can force parison profile to mark thickness.

1.2.5 Аυто Тіме

When this is ticked, the parison triggered by means of for instance knife cut, the time between sequential two trigger signals is calculated automatically and sets Parison Time otherwise Parison Time will be static parameter which user can change.

1.2.6 PARISON TIME

Parison profile synchronised to this time, It means that melt pushing out (o-Parison Time) calls for (o-MaxPoint) value.

1.2.7 Auto Start

This parameter is for test purpose, to start the parison by without a trigger signal.

1.2.8 Test Purge

When you check this option, the parison goes to the position you input for maintenance purpose.

Please equalize min. and max. point thickness to obtain smooth transition (circular parison) otherwise returning from max. to min. point causes bump as much as difference of min-max. thickness. If you well adjust this then you can achive cutting parison by die.



1.4 BALOON AIR

Baloon Air gives you a digital output to control baloon air inside the parison according to parison points.



Total 4 zones can be adjusted for giving air into parison.

Each zone's start and stop treshold needs to be defined, if one zone's start and stop treshold cover another then this zone is zone dominant to another

W You can remove this option if you are not using at Parison Setup Page.

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2. Main Setup
This menu can be reached on Parison page by tapping
Active User: Password:
10.00
time: 0.0
point: 0.0
SERVO
temp 15.5 m.lag 0.0
m.torq 0.0
READY ERROR
diag reset
4
First of all, you can select your language which is comfortable for you, then user account should be set
AUTHOR by giving Password: "12345" and then tapping.
passwords. To do so, please log in as PROGRAMMER and set new pasword on
the dialog comes up by tapping .
Now we can jump over PARISON page by tapping.

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3.WTC SETUP PAGE (1	Technician User Level)			
This menu can be reached o	on work page by tapping	ir	the parison page.	
	WTC SETUP			OTOMOTION
	Interpolation Power	0.75		14:16
	Value Change Step	1.00		
	AutoTime Tolerance Window	50		10.00
	Baloon Air Enable	\checkmark		WTC 0.0
	Profile Can Have Base	\checkmark		point: 15.8
				value: 4.5
				READY START
				SERVO
				temp 18.8
				m.torg -11.0
				READY ERROR
				diag reset
				PCS 6
			(=	-

3.1 INTERPOLATION POWER

This parameter specifies interpolation power for the transition between master points (for linear transition set it to 1.0 but we recommend for smooth \int transition you set it to 0.75)

3.2 VALUE CHANGE STEP

This parameter specifies increasing or decreasing step of a value when you adjust Basic Thickness, Profile Thickness, Point's Thickness by tapping + and – buttons

3.3 AutoTime Tolerance Window

This parameter specifies a window percentage when calculating AutoTime between sequential triggers, newly Calculated AutoTime should be greater than Minus Percentage and less than Plus Percentage of just before calculated AutoTime, otherwise newly calculated AutoTime is dissmised, the old AutoTime still valid.

3.4 BALOON AIR ENABLE

Parison tip is may closed by helping of a guillotine cut, then parison needs to be blowed slightly while flowing through the Die before going to mold, this option gives you a possibility control an air valve according to parison points in 4 zones by helping of a digital output.

3.5 Profile Can Have Base

When this is selected, Basic Thickness is static and not updated as profile changed. This way profile can have it's own offset thickness between Basic Thickness and Profile Thickness. Otherwise every change of profile, the minimum point of profile is calculated and assumed Basic Thickness so Basic Thickness refreshed.

			6		
4. WTC CALIBI	ration Pa	GE (AUT	HOR USER LEVI	EL)	
This menu can be	reached by	tapping	in the	parison setup page.	
		W	C CALIBRATI	ON	OTOMOTION
	wtc dist. (mm)	servo		Servo Jog Velo (unit)	15.0
FORWARD 1	0.0	40.4	take pos1	Servo Calibration Torq (%)	15.0
2	4.0	200.0	take pos2	Servo Auto Torq (%)	200.0
BACKWARD 3	8.0	400.0	take pos3	Servo Max.Ramp	20.0
4	12.0	720.0	take pos4	Wtc Ready Out Delay (sec)	2.0
	4.2	386.7		Divergent / Convergent	
HELP	Cubic Prot	file 🖌		Movable Part Outer / Inner	
🔊 Please tap me	ssage box if	you red w	arnings and help.		
M Please conside	er Checked /	UnChecke	d order while sele	cting an option.	
4.1 DIVERGENT / Parison Die type r and maximum po	CONVERGEN needs to be pints automa	NT selected ac atically.	cording to your ty	pe. This parameter effects calibra	ation minimum
4.2 MOVABLE PA Like wise Parison parameter effect:	RT OUTER / Die type thi s calibration	INNER s paramete minimum	er also needs to be and maximum po	e selected according to your mova ints automatically too.	ble part. This
🔊 When you cha	nge this two	o paramete	ers above then Cali	bration Procedure needs to be ca	arried out.
4.3 SERVO JOG V This defines the s multipliers and div for you.	ELOCITY peed of jog viders for be	forward/re eeing user f	verse while Calibra friendly . Increase	ation Mode active. This value con or decrease this parameter which	sist of some is comfortable
4.4 SERVO CALIB This defines the to as low as possible	RATION TOF orque of the not to harr	QUE motor of n mechanic	jog forward/rever in case of end of	se while Calibration Mode active. strok while calibration.	This should be

4.5 Servo Auto Torque

This defines the torque of the motor of running at normal duty. This could be maximum of overload capability of your servo motor&drive system.

4.6 Servo Max. Ramp

This defines the ramp of the motor of running at normal duty. It effects dynamism of the system. Please consider that if dynamism increases then mechanical wearing increases too.

4.7 WTC READY OUT RELAY

Your extruder system may want an information if WTC is ready or not. This relay gives you this information.

4.8 WTC CALIBRATION

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Calibration is necessary when any mechanical intervention occour or Divergent/Convergent or Movable Part Inner/Outer parameters has changed.

Cubic profile calculation will be checked until another better option developed.

Calibration is to be carried out following 4 steps. After Calibration Mode Activation by tapping.

Let assume that your Full stroke is 12mm. Then every calibration step increases by 4.0mm.

1. Go to 0.0 Position (Fully Closed) mechanically by using BACKWARD/FORWARD button. Then tap **takepos** button to take actual servo position instead of writing it.

2. Go to 4.0 Position (%33 of Full Stroke) mechanically by using BACKWARD/FORWARD button. Then tap **takepos** button to take actual servo position instead of writing it.

3. Go to 8.0 Position (%66 of Full Stroke) mechanically by using BACKWARD/FORWARD button. Then tap **takepos** button to take actual servo position instead of writing it.

4. Go to 12.0 Position (%100 of Full Stroke) mechanically by using BACKWARD/FORWARD button. Then tap **takepos** button to take actual servo position instead of writing it.

When you change Full Stroke parameter above Parison Profiler will adapt itself to this parameter.

After finish 4 steps above then Calibration is Done.

Do Not Forget To Deactivate Calibration Mode by tapping



5. RECIPE PAGE (FOREMAN USER LEVEL)

You can jump over RECIPE page by tapping

in the Main Setup Page.

5.1 Creating New Recipe Record

You can store well adjusted product settings in the recipe container folder for further call back. This operations can be carried out at the Recipe page.

PRODUCT LIST	RECORD TI	ME		13:57	PROGRAMMER	OTOMOTION		
1 abc	19/03/2021	12:01:30		SELECTED	PRODUCT			
2 newparison	22/03/2021	11:55:22		abc				
3				RUNNING F	RODUCT RECIPE			
5				abc				
6 7				Note: New Records takes the running IPC values !				
8				LC	DAD	SAVE AS		
10						DELETE		
12				SAVE AS PRODUCT				
13				ENTER	THE NAME TO SA	VE AS PRODUCTI		
15 15					good			
16				CAN	CEL	YES		
19			Μ					
20								

 $\not {}^{\not {}^{ij}}$ New recipe record data keeps actual values running in the controller.

For a new product record, tap SAVE AS button, and give a name in the dialog and then tap the YES button.

Now your new product record has been created.

5.2 LOADING RECIPE RECORD FOR RUN

Whenever you want to call a product record back then please select the record in the product list and tap on it to select and then tap LOAD button that is all you need to do.

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5.3 Deleting A Recipe Record

PRODUCT LIST	RECORD TIME	\bigcirc	13:59	PROGRAMMER	OTOMOTION		
1 abc	19/03/2021 12:01:30		SELECTED	PRODUCT			
2 good	25/03/2021 12:59:14		good				
3 newparison	22/03/2021 11:55:22		RUNNING F	RODUCT RECIPE			
4 5			abc				
		-	Note: New IPC values	Records takes the	e running		
8			LC	AD	SAVE AS		
9					DELETE		
11				L			
12							
14							
15							
16							
17							
19		M					
20							

You can delete a product record by the same way, please select the record to be deleted by tapping on it then tap DELETE button and tap YES button in the dialog come up.

Now your product record has been deleted from the product list.

6. TECHNICAL SPECIFICATION

Electric Parison Controller	CP6706	C6015 + CP2912	C6015 + CP2915				
CPU	Intel Atom [®] E3815	Intel Atom® E3815	Intel Atom® E3815				
Size	7" Resitive Touch	12" Capacitive Touch	15" Capacitive Touch				
Resolution	800x480	800x600	1024x768				
Parison Points	128	180	200				
Minimum PushOut Time	5 sec (option available for 3 sec)						
Interpolation Type	Infinite Polinomial						
Minimum Refresh Time	2000 µsec. (option available for 1000 µsec)						

Thank you for preferring Otomotion's Electric Parison Controller .

2			R SETUP.								Total Page 9	айан Милиологи.
-			N BEFORE GO TO CONTROLLEI									Annrovalof the Dr
	YSTEM ENGINEERING Onbaşı cd. No:36 S Plaza Kat:10 TANBUL	1 80 57 1 80 58	BY AN EXPERIENCED TECHNICIA		ON MACHINE		stem engineering	CHINE				
	OTOMOTION SY Ziya Gökalp Mh. Seyit 3490 Başakşehir / İS	Phone : +90 212 67 Fax : +90 212 67	JST BE CARRIED OUT		ELECTRIC PARIS	2024 / 1	OTOMOTION SYS	ELECTRIC PARISON MAC 3*400Vac / 3kVA	MACHINE AUTOMATION	Sevket Bilgic		
-			NOTICE: CONNECTION ML		iption					oject	25.12.2024 17.01.2025	TOTAL OF ALL
-	TU		IMPORTANT	Customer	Project Descr	Job Number	Commission	Project Name Voltage / Power	Type	Responsible For Pro	Project Start Date Modification Date	

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