Only the system administrator has access to the system configuration presets. These presets correspond to the hardware and software configuration of your machine.

1 - The hardware parameters

1-1 The "ESC Settings" tab



ltem	Designation	Signification	
1	Hardware configuration tab and ESC Settings tab	Selection of the hardware parameters related to the chuck.	
2	Chuck type	Selection of the type of chuck fitted on your machine:	
		Mecha.: mechanical chuck	
		ESC F : ESC finger chuck	
		ESC P : ESC PIN chuck.	

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ESC Settings Process Settings		
Chuck Type:		
ESC power supply :	HVS 2000C - 3	
ESC alternation time :	<mark>4</mark>)55 s 🛟	
Analog command of electro	-static chuck	
ESC voltage : 5	ov 主	
Swing delay :	0.5 s 👤	
Start polarity (Supply#1) :		
Start polarity (Supply#2) :		
Cycle start supply :	Supply#1 -	
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ltem	Designation	Signification		
3	ESC power supply	Selection of the model of ESC power supplies fitted on your machine:		
		None: if your machine is not equipped with a ESC chuck.		
		 HVS 1500: if your machine is equipped with a HVS 1500 ESC power supply. 		
		 HVS 2000C: if your machine is equipped with a HVS 2000C ESC power supply. 		
4	ESC alternation time	When you select a ESC power supply (HVS 1500 or HVS 2000C model), you have to adjust the ESC alternation time. Whenever this time has elapsed, the power supplies polarity is inverted on the ESC chuck.		
		Notes:		
		 this value is a default value applied only when there is no process in progress (i.e. during a semi-automatic transfer). 		
		 during a process, this value is not used and the system sets the ESC alternation time set in the current step edition window. 		

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ESC alternation tim	ne: <mark>4)</mark> 55 s 🛫	
Analog command	d of electro-static chuck	
ESC voltage : 5		
Swing delay :	0.5 s	
Start polarity (Supp	oly#1) :	
Start polarity (Supp	oly#2) : • • •	
Cycle start supply :	: Supply#1 🔽	
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ltem	Designation	Signification	
5	Analog command of electro-static chuck	Check this option if your machine is equipped to manage the ESC voltage. In that case, you have to adjust the power supplies voltage (" ESC voltage " parameter).	
	ESC voltage	Notes:	
		 this option is automatically selected if the ESC power supply is a HVS 2000C type. 	
		 this value is a default value applied only when there is no process in progress (i.e. during a semi-automatic transfer). 	
		 during a process, this value is not used and the system sets the ESC alternation time set in the step in progress. 	

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	Analog command	of electro-static chuck				
	ESC voltage : 5	ov	•			
	Swing delay :	0.5 s	•			
	Start polarity (Supp	ly#1):				
	Start polarity (Supp	ly#2) : <mark>0</mark>] .	•			
	Cycle start supply :	Supply#1	•			
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Î	DEMO. D. Param. :None	e D. process:None	User :1	PLC OK	NO EPD	NO HOST

ltem	Designation	Signification			
6		Characteristic parameters of the HVS 2000C ESC power supplies:			
		 Swing temporization: Duration of the polarity change. It lets the voltage fall down because the polarity cannot be changed if the ESC voltage is present. 			
		 Start polarity (Supply #1): Initial polarity of the ESC power supply # 1. 			
		 Start polarity (Supply #2): Initial polarity of the ESC power supply # 2. 			
		Cycle start supply: example:			
		Status of ESC ON			
		Status of ESC ON			
		Polarity of the ESC power supply #1			
		Polarity of the ESC power supply #2			
		Swing Alternation time Swing Alternation time Gwing Alternation time Swing Alternation time Alternation time			

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1-2 The "**Process Settings**" tab

ltem	Designation	Signification
1	Hardware configuration tab and Process Settings tab	Selection of the hardware parameters related to the process (LF generator, Heated Liner, Working temperature, Pressure Tolerance).



ltem	Designation	Signification		
2	LF generator run mode	If your machine is equipped with a LF type generator, you have to choose its operating mode:		
		 "Normal" mode: the incident power delivered by the generator is constant. 		
		 "Pulsed" mode: the incident power delivered by the generator is pulsed as follows: 		
		Incident power in W		
		High level		
		Time in ms		
		1: High level duration 2: Low level duration		
		Note : the high and low levels for power and duration are set in the step edition window.		



ltem	Designation	Signification
3	Temperature range	 if your machine is equipped with a liquid nitrogen bottle, set:
		Min = - 180 $^{\circ}$ C and Max = + 60 $^{\circ}$ C
		if your machine is equipped with a chiller, set:
		Min = - 30 $^{\circ}$ C and Max = + 60 $^{\circ}$ C
4	Heated liner	Check this option if your machine is equipped with a heated liner on the reactor.
5	Pressure tolerance for process position mode	The position of the throttle valve is adjusted to reach the pressure preset value. As long as the pressure value is equal to this preset value <u>+</u> the pressure tolerance value (in percentage), the position of the throttle valve does not change.

2 - The communication parameters

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ltem	Designation	Signification	
1	Communication configuration tab	Selection of the communication parameters.	
2	Bar code reader	Check this option if you want to use a bar code reader to automatically enter the batch name of your cassette (only for the machines equipped with an atmospheric robot).	
3	Communication SECSII / EPD	Check this option if the link between the EPD system and PC is a SECSII link. If you check this option, you must configure the communication parameters as follows:	
		 serial port: COM3 9 600 bauds Retry limit: 2 Device ID: 0 T1 = 1s, T2 = 5 s, T3 = 30 s and T4 = 25 s. 	

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ltem	Designation	Signification
4	EPD with pattern recognition	Check this option if your machine is equipped with an EPD system using pattern recognition.
5	Communication SECS II / Host	Check this option if you want to use a Host computer. When this option is unchecked, « NO HOST » is displayed in the status bar at the right bottom of the screen. When this option is checked, communication with Host computer is active. The state displayed in the status bar depends of the communication state between the Host computer and AMS200 application.
6	Semisysco EPD Communication	Check this option if your machine is equipped with an integrated EDP system controller. If you check this option, you must configure the communication parameters as follows: IP : 10.1.0.10 Port : 5000

3 - The software parameters

3-1 The "PLC soft settings" tab

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ltem	Designation	Signification
0	Software configuration tab and PLC soft settings tab	Selection of the software parameters related to the PLC.
2	Stop process on He alarm (Alarm #1249)	Check this option if you want to stop the current process if an anomaly has been detected about the He backside cooling pressure. In this case, a fault is triggered.
3	N2 heater control (CZ42 / HTR3T)	Check this option if your machine is equipped with a liquid nitrogen bottle.
4	Chiller alarm control (HTR6T)	Check this option if your machine is equipped with a chiller giving HTR6T feedback information (chiller OK).

Software configuration Software configuration Database backup PLC soft settings C Software configuration Database backup Image: Plot settings Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Image: Plot settings Imag	16:31:33 12/10/2006	ALCATE			I
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ltem	Designation	Signification
5	Gas ballast	Check this option to perform gas ballast during a transfer in automatic mode.
		If you check this option, click on the " Parameters " button. The following window is opening:
		Ges ballest presets
		Gas name : 1 - SF6 choose which gas you want to use for ballast and its corresponding flow.
		Gas ballast stopping mode : Manual : Stop on user request Stop delay 0 min Close Close
		Note : if you choose the "Manual : Stop on user request" option, you have to stop the function in semi-automatic mode.

3-2 The "PC soft settings" tab



ltem	Designation	Signification
	Software configuration tab and PC soft settings tab	Selection of the software parameters related to the PC.
2	CSV separator	Selection of the CSV separator type used when exporting the data logging files. Default value is ";".
3	Data logging curves automatic export	When this option is checked, the data logging curves are automatically saved to a text file (.csv extension) at the end of batch processing, in the directory selected in the combo box (item 4). So, they can be used by a standard spread sheet software.
4	Back up directory	Combo box available only if the " Data logging curves automatic export " option (item 3) has been checked. It allows you to select the directory in which the data logging curves will be saved at the end of batch processing.



ltem	Designation	Signification
5	Mandatory	When this option is checked:
	wafers	 a cleaning recipe is automatically carried out after each etching recipe and after the dechucking recipe if it has been selected.
		 when you want to run a batch processing, you must select a cleaning recipe in the "Run Process" screen otherwise, you cannot launch the batch processing execution order.
6	Mandatory dechucking Important : this option is available only if your machine with an ESC PIN chuck.	
	process	When this option is checked:
		 a dechucking recipe is automatically carried out after each etching recipe and before the cleaning recipe if it has been selected.
		 when you want to run a batch processing, you must select a dechucking recipe in the "Run Process" screen otherwise, you cannot launch the batch processing execution order.
7	User's manual path	This combo box allows you to define the directory in which the machine user's manual will be saved.
8	Defect data sheets path	This combo box allows you to define the directory in which the defect data sheets will be saved.

4 - Database backup



ltem	Designation	Signification
1	Database backup configuration tab	Selection of the backup parameters.
2	Backup frequency	Specifies how often you want to automatically save the AMS 200 database.
3	Backup directory	Selection of the directory in which the AMS 200 database file will be saved.
4	Backup presets at startup	When this option is checked, the AMS 200 database is automatically saved whenever the AMS 200 application is launched.