

This document presumes the user is familiar with the Low Pressure Plasma process and the Plasma Etch Inc. Equipment

- 1. Check and release the EMO if engaged.
- 2. Set the power circuit breaker to the On (Up) position.
- 3. Press the 'Start' button on the front panel to power up the system.
- 4. Open the 'Win-Plasma' Application on your Windows PC.



5. Navigate to the 'Technician' tab.

12.00	Ischnician Eower Commands Beque	nce 🛄 Scree <u>n</u> s 👸 Alarms
😻 Iechnician		ari Number Config Default Cycle 2 Plasma Time 10 0 RF Power 500 0
Bequences	Vert Plasma Time Tiepeed 0200200	Cas 1 Flow     O2 5       Gas 2 Flow     0
Configuration		System Power
Passwords	Parap OFF RankOH RF 0 Loor CLOSED	RF Power OFF Vacuum Pemp OFF
🔒 🛓 Log On	Step Warm V/sit Vacuum Power + Door	Miscellaneous Messages ast Alarm Alarm Silence OFF Print Reports NO
EXIT Exit	Time         Event Text           09:03:45 07/25/2013         WinPlasma Program Started - Version 1.3.0 [Build 59]           09:03:45 07/25/2013         OPTIONUX Port 1 (COMS) Port Initialize Error           09:03:45 07/25/2013         OPTIONUX Port 1 (COMS) Port Initialize Error	Sort ID Part Number Machir 0 1 0 1
		FIGURE 3-1

- 6. Open the 'Sequence' menu within the 'Technician' tab. Within this menu you can create, save, edit, delete and modify Sequences to be used on your system.
  - I. Time (Minutes) Time that Plasma is present in the Sequence.
  - II. RF (Watts) Unit of power demanded from the RF Generator.
  - III. **Gas 1** Selection of process gas; refer to rear panel of machine to check which process gas inputs in to which gas line.
  - IV. Flow 1 (sccm) Flow demand of Gas 1 selection.

SEQUENCE	LEAR DELETE LEAD SAVE ENT
•	Part Number
	Cycle 1 Cycle 2
	Lime         U         0           RF (Watts)         0         0           Gas 1         None         None
	Flow 1         0         0           Gas 2         None         None           Flow 2         0         0
	Plasma Etch
	WARNING
	PERSON TO CREAT A NEW SEQUENCE, INNCORRECT PARAMETERS
IV	AT CAUSE DAMBE TO STSTEW.
NOTE: Use the onso needing to enter tex	reen shortcut to bring up the onscreen keyboard when t into a text field.
<ol> <li>Create and save a new sequence a</li> </ol>	and save accordingly into the Windows directory.
8. Close all windows and tabs and Na	vigate back to the main Win-Plasma Screen.
	Achrician Sequence Sequence Sequence Sequence Sequence Sequence Configuration Security Securi



9. Open the 'Sequence' tab from the main screen; this will allow you to open the load in any sequence made within the main directory.

😻 Iechnician	🞺 Eower 💦	Commands	Sequence	Screens	Ö Alarms
	Gre Phase 1 02 0 2 0	Plama	Part Number	Process Seq (Co Flasma Lime	vence http://www.communications.com/ fig: Default 1 fig: De
Simulation Hode Pim: OFF		icating bothers	Lord	Cancel	Very OFF Very OFF Very OFF Very OFF Very OFF Very OFF
05:02:45 07/25/2013 Wi 05:03:45 07/25/2013 OF	Information     Informati			Sort ID	Part llumber Hachir
B Thu 7/26/13		Plasm	a Etch	F	IGURE 4-17

- 10. Press 'Load' to accept the sequence.11. You will see that the 'Process Sequence' box within the main screen will update with the Sequence name and details its parameter variables.
- **12**. The system is ready to run the newly loaded sequence.