Step by Step Procedure to Operate LEAP by Remote Mode

Step: 1 Login in the Team Viewer



Step: 2 To Connect LEAP computer



Step: 3 LEAP Window-After Establishing the Connection

😵 LEAP Control Center					
Data Acquisition	🚺 Puck Exchange 🤰	Admin	🔅 System Control	Carousels 🎒 Database	LEAP Control Center Version 5.0
< Video	Stage Speed: 125.0 u/s	TOP CAMERA	LEAP5000 X	R - One Atom At A Time	Refresh SCIENCE & METROLOGY SOLUTIONS
Gain N/A			Analysis Chamber	5.23E-11	Treatment OFF Cleaner Idle
Evonsure N/A			Stage Speed: 7.8 u/s	TOP SCOPE	C Load Lock Pump (2.84E-08
Zoom 0.5X					
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				1.0	
	HOME X: -5248.2 Y: -0.1 Z: 5000.1				
Video	Stage Speed: 125.0 u/s	SIDE CAMERA	HUME X: -5248.2 Y: -0.1 Z: 5000.1		Buffer Pump (m) 8.01E-10
Gain MA			Specimen: Puck-2244	Local Electrode: Puck-VI	
			20180807_C007_IITM04	AFCB_24382	R
Exposure N/A			Stage Speed: 15.6 u/s	BOTTOM SCOPE	
Zoom 0.5V					
Brightness					
Contract					
	X: -5248.2 Y: -0.1 Z: 5000.1		X: -5248.2 Y: -0.1 Z: 5000.1		
User Mode: Standard	🔐 Login 📄 LEAP SYS	TEM - READY		LASER - LASER HEAD OFF	C Restore Power Events

Step: 4 Micro Tip Coupon Home Position (Default Position)



Considerations for Remote Mode Operation

- Please follow the encircled markings (in red colour) and make sure that everything matches with the figures as shown
- In case of not matching situation you please contact NFAPT
- > The job of the NFAPT team is complete at step: 4
- Further sample positing, parameters selection and performing measurements all are the responsibility of remote operators
- The NFAPT team can support in case of major requirement but can not perform measurements meant to be performed by remote operators
- > NFAPT team is not responsible neither accountable for the selection/determination of parameters

For Further Guidance Step: 5- Sample Selection and Positioning



- The sample position as prepared in the FIB should have been informed to the operator in advance
- It is recommended to identify and follow the position of the tips

Step: 6 Updating in the Database

Data Acquisition	🖸 Puck Exchange 🔒	Admin		System Control	Carousels	🗐 Database	LEAP C	ontrol Center ion 5.0	(CA)	MFC	۸°
< Video	Stage Speed: 125.0 u/s	TOP CAMERA		LEAP5000 XR - One Atom At A Time				Refresh	SCIENCE & MI	ETROLOGY SOLUTI	ONS
Gain N/A				Analysis Chamber	5.50E	-11		Treatment	OFF	Cleaner Idle	e
Evansure M/A			1	Experiment Details For Specimen 20180731	L_CO05_IITB01:M-3	Date		Load Lock Pump	ON	2.98E-08	
				Result	*	Specimen		AB	CD	EFG	Н
Zoom 0.5X				Comments							
Printmass					^						
						Good Hits					
Contrast						Temperature		C 482			
a second a second a second						Vacuum					
						Voltage					
				Carriera 20100721 COOF UTD01.14 3 Dual	* 2252						
				Condition APT	• !	Micro Tip:					
	HOME X: -5248.1 Y: 0.0 Z: 5000.1			IIT Bombay	[VI-3 •	1				
Video	Stage Speed: 125.0 u/s	SIDE CAMERA		PI Prof.Amartya Mukhopadhyay, Dept M	МЕ, ШТВ			Buffer Pump	(ON (🏦)	8.07E-10	
	0			Specimen: Puck-2252	Local Ele	ctrode: Puck-VI	Ļ	A B	CD	E F G	Η
			(20180731_C005_IITB01:M-3	AFCB_24382	2					
Exposure N/A				Stage Speed. 15.6 u/s	BOTTOM SCOPE	* *					-
7		4						C 485			围
200m 0.5X								C 486		< < <	
Brightness											
	HOME V 5248 1 V 0.0.7 5000 4			HOME V 5248 1 V 0.0.7 5000 4							
	A -5240.1 1. 0.0 2. 3000.1			A -3240.1 1. 0.0 2. 3000.1		• •					
User Mode: Standard	👬 Login 📄 LEAP SYS1	TEM - READY		📕 L4	ASER - LASER HEA	D OFF		O Restore	Power	Events i	?

Ensure that the selected tip matches with the position as shown in the database, If not, please correct in the database

Step: 7 Sample Tip Aligned for the Analysis



Ideal position for sample and LASER spot

Thank You