

Step by Step Procedure to Operate LEAP by Remote Mode

Step: 1

Login in the Team Viewer

The image shows the TeamViewer login interface. A red circle highlights the 'Sign In' section, which includes the 'E-mail' and 'Password' input fields, the 'Sign In' button, and the 'Keep me signed in' checkbox. An arrow points from this circle to a zoomed-in view of the same section below.

Connection Extras Help Feedback

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Insert partner ID CONNECT

Sign In
Don't have an account?

E-mail
LEAP5000Remote9@gmail.

Are you already a TeamViewer customer?
Please sign in here with your TeamViewer account to use the full functionality.

Password
.....

Sign In

Keep me signed in

[Forgot password](#)

[Sign Up](#)

Remote Control

Meeting

Computers & Contacts

Chat

TeamViewer
www.TeamViewer.com

Connection Extras Help Feedback

Sign In
Don't have an account?

E-mail
LEAP5000Remote9@gmail.

Are you already a TeamViewer customer?
Please sign in here with your TeamViewer account to use the full functionality.

Password
.....

Sign In

Keep me signed in

[Forgot password](#)

[Sign Up](#)

Step: 2

To Connect LEAP computer

The screenshot shows the TeamViewer interface for connecting to a remote computer. The interface is divided into several sections:

- Allow Remote Control:** Displays the user's ID (757 784 663) and password (2zr4p8).
- Unattended Access:** Includes options to start TeamViewer with Windows, assign the device to an account, and grant easy access.
- Control Remote Computer:** Shows the Partner ID (477128915) and selection options for 'Remote control' (selected) and 'File transfer'. A blue 'CONNECT' button is highlighted with a red circle.

A red arrow points from the 'CONNECT' button to the text: **Click this connect button**

At the bottom of the interface, a status bar indicates: **Ready to connect (secure connection)**

Step: 3

LEAP Window-After Establishing the Connection

The screenshot displays the LEAP Control Center software interface, which is divided into several functional panels:

- Top Left Panel (Data Acquisition):** Contains video control settings for both TOP CAMERA and SIDE CAMERA. Each camera view includes a 'Video' sidebar with sliders for Gain (N/A), Exposure (N/A), Zoom (0.5X), Brightness, and Contrast. Below the video feeds are navigation buttons (HOME, left, right, up, down, zoom in, zoom out) and coordinates: X: -5248.2 Y: -0.1 Z: 5000.1.
- Top Right Panel (System Control):** Shows the system name 'LEAP5000 XR - One Atom At A Time' and the 'Analysis Chamber' status as $5.23E-11$. It includes a 'Stage Speed' slider set to 7.8 u/s and a 'TOP SCOPE' video feed showing a dark, pointed tip.
- Bottom Right Panel (Specimen Control):** Displays 'Specimen: Puck-2244' and 'Local Electrode: Puck-VI'. It shows a 'Stage Speed' slider set to 15.6 u/s and a 'BOTTOM SCOPE' video feed showing a dark, triangular shape.
- Far Right Panel (LEAP Control Center Version 5.0):** Features the CAMECA logo and several control buttons: 'Treatment' (OFF), 'Cleaner Idle', 'Load Lock Pump' (ON), and 'Buffer Pump' (ON). It also displays numerical values: $2.84E-08$ and $8.01E-10$. Below these are grid-based icons for sample positions C 482, C 485, and C 486.
- Bottom Status Bar:** Includes 'User Mode: Standard', 'Login', 'LEAP SYSTEM - READY' (with a green indicator), 'LASER - LASER HEAD OFF' (with a red indicator), 'Restore Power', 'Events', and help icons.

Step: 4

Micro Tip Coupon Home Position (Default Position)

The screenshot displays the LEAP Control Center software interface, which is divided into several functional areas:

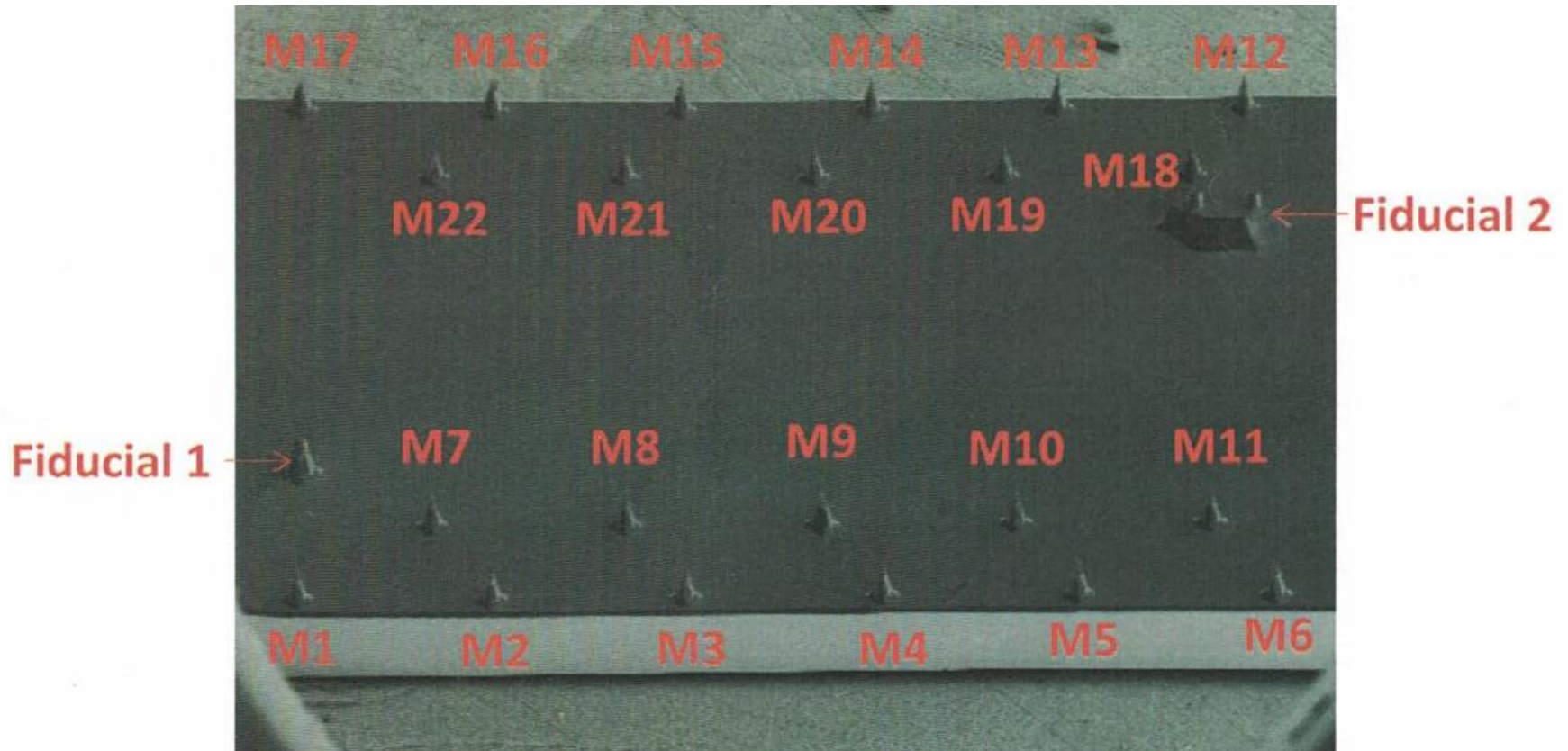
- Top Left (Data Acquisition):** Includes a 'Video' panel with sliders for Gain, Exposure, Zoom (0.5X), Brightness, and Contrast. Below it is another 'Video' panel with similar controls.
- Top Center (Puck Exchange):** Shows 'Stage Speed: 125.0 u/s' and 'TOP CAMERA'. It features a live video feed of the micro tip coupon, which is circled in red. Below the feed are navigation buttons and a 'HOME' button with coordinates: X: -5248.2 Y: -0.1 Z: 5000.1.
- Bottom Center (Puck Exchange):** Shows 'Stage Speed: 125.0 u/s' and 'SIDE CAMERA'. It features a live video feed of the micro tip coupon, also circled in red. Below the feed are navigation buttons and a 'HOME' button with coordinates: X: -5248.2 Y: -0.1 Z: 5000.1.
- Top Right (System Control):** Displays 'LEAP5000 XR - One Atom At A Time' and 'Analysis Chamber' with a value of $5.23E-11$. It includes 'Stage Speed: 7.8 u/s' and 'TOP SCOPE' with a live video feed. Navigation buttons and a 'HOME' button with coordinates are also present.
- Bottom Right (System Control):** Displays 'Specimen: Puck-2244' and 'Local Electrode: Puck-VI'. It includes 'Stage Speed: 15.6 u/s' and 'BOTTOM SCOPE' with a live video feed. Navigation buttons and a 'HOME' button with coordinates are also present.
- Far Right (LEAP Control Center Version 5.0):** Contains the CAMECA logo and several control panels: 'Treatment' (OFF), 'Cleaner Idle', 'Load Lock Pump' (ON, $2.84E-08$), and 'Buffer Pump' (ON, $8.01E-10$). Below these are grid controls for stages A through H.
- Bottom Status Bar:** Shows 'User Mode: Standard', 'Login', 'LEAP SYSTEM - READY', 'LASER - LASER HEAD OFF', 'Restore Power', 'Events', and help icons.

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

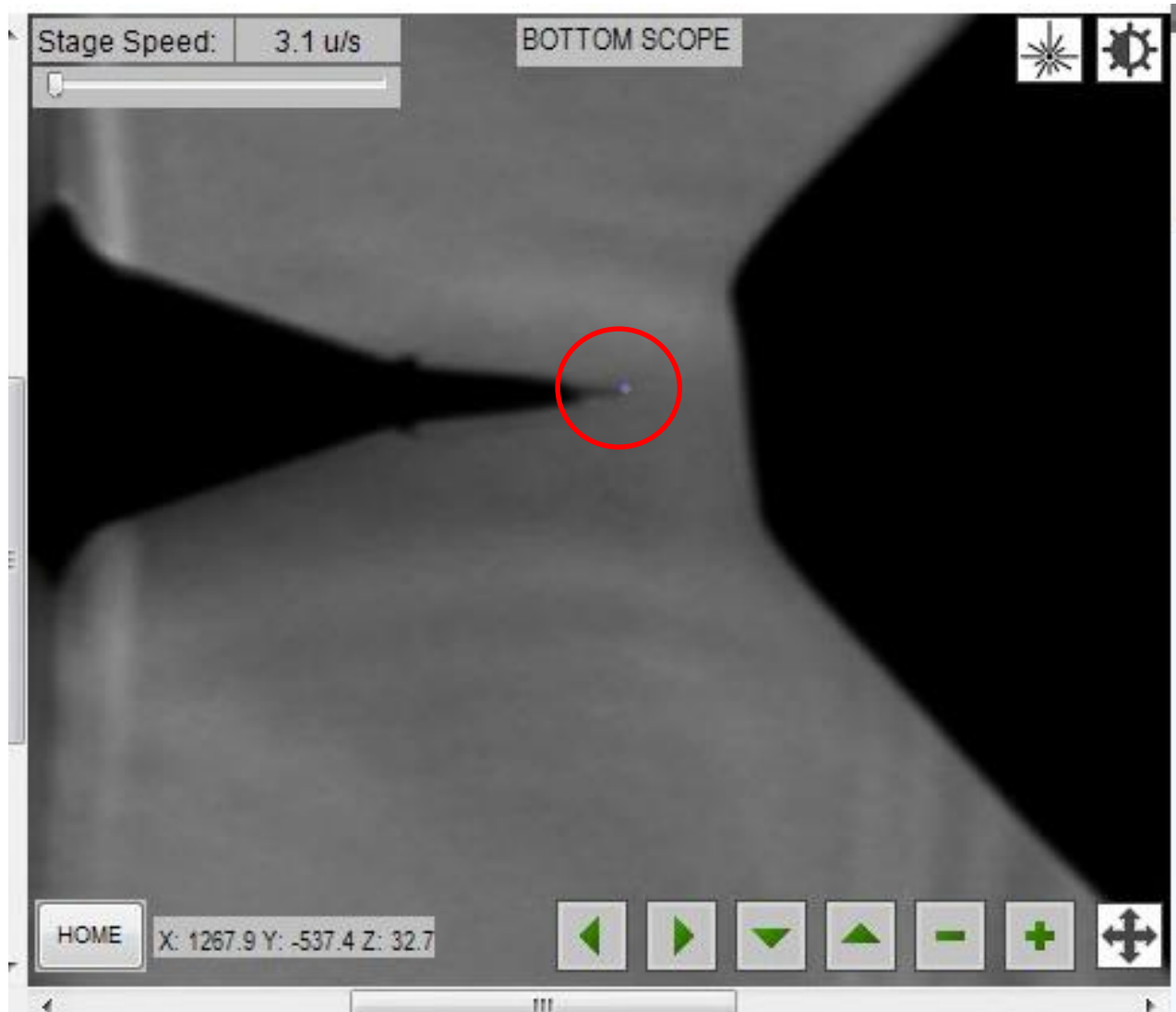
Step: 5- Sample Selection and Positioning



- 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: 7

Sample Tip Aligned for the Analysis



- Ideal position for sample and LASER spot

Thank You