

ENTERING COMMANDS – USING MOUSE	
xT Microscope Control (UI) Functionality	
Key + Mouse button	Function
(Shift +) Click <i>single-arrow cursor</i>	Control: selects a control element Toolbar pause icon: pauses / releases (all) quad(s)
(Ctrl +) Click <i>single-arrow cursor</i>	selects a graphical item within an imaging area (adds another one to the selection)
Click & drag (+ Shift) <i>single-arrow cursor</i>	selects an area to zoom in (out)
Shift + Click & drag <i>hand-cursor</i>	activates the Beam Shift
Doubleclick	Electron / Ion Imaging Get mode: moves a point to the quad center
	Optical Imaging places 10 mm marker
Right-click & drag <i>double-arrow cursor</i>	focuses by dragging the mouse left-right
Shift + Right-click & drag <i>four-arrow cursor</i>	corrects an imaging astigmatism by dragging the mouse left-right – X stigmator or up-down – Y stigmator
Ctrl + Click & drag	controls the detector contrast / brightness by dragging the mouse left-right / up-down
Ctrl + Right-click & drag <i>four-arrow cursor with circles</i>	activates the Lens alignment
Shift + Wheel-roll Up / Down	increases / decreases the magnification finely
Ctrl + Wheel-roll Up / Down	increases / decreases the magnification coarsely
(Ctrl+) Wheel-click & drag	Electron Imaging Track mode: moves the stage (joystick-like control)
	Optical Imaging moves the stage in Z-axis direction (tilts the stage) by dragging the mouse up / down (left / right)

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ENTERING COMMANDS – USING KEYBOARD	
OS Windows Specific Keys	
Key(s)	Function
Enter	equivalent to the OK button in dialogues
Esc	1. equivalent to the Cancel button in dialogues
	2. stops the stage motion at that point Note: During particular procedures, Home Stage for instance, use the software Cancel or Stop button!
Tab	switches between entry fields within dialogue boxes
(Shift +) Arrows	1. selects an item within list boxes
	2. moves the stage approximately by (40%) 80% of the field of view in corresponding direction
Alt (F10)	underlines menu bar item characters – by hitting it a corresponding menu list is expanded
Alt + Tab	Switches between running applications: each time the Tab key is hit while holding the ALT key pressed a pointer jumps to another application icon. Releasing the Alt key at any time makes application just listed active.
Alt + F4	closes active application or Windows operating system
Del(ete)	deletes a selection, texts or graphics
Ctrl + A	selects all items, texts or graphics within an active window
Ctrl + C (Ctrl + Insert)	copies a selection to the clipboard – temporary memory
Ctrl + V (Shift + Insert)	pastes content of the clipboard at the pointer position – text / to a window – graphics
Ctrl + X (Ctrl + Delete)	cuts a selection to the clipboard – copies and deletes it

Note:

The given sequence of the key press and mouse button click is important. The click / right-click / wheel-click represents click with the left / right / wheel mouse button.

ENTERING COMMANDS – USING KEYBOARD

xT Microscope Control (UI) Function & Specific Keys

Key(s)	Function
F1	displays documentation
Shift + F1	displays Image properties
(Shift +) F2	starts Photo with active beam (in all quads with the same beam at once)
Ctrl + (Shift +) F2	starts / stops Active Preset Snapshot (from all quads at once)
(Ctrl+) F3	toggles Videoscope On / Off (in all quads)
Shift + F3	starts Home Stage procedure
F4	starts / stops electron imaging Snapshot from active quad
Shift + F4	starts / stops Lens Alignment procedure
F5	toggles Single / Quad Image mode
Ctrl + F5	toggles Large Image Window mode
Shift + F5	toggles Center Cross display
F6	pauses / releases scanning
Shift + F6	toggles Alignment rectangle display
F7	toggles Reduced Area / Full Frame Mode
Ctrl + (Shift +) F7	starts (undoes) Image Post Processing
F8	starts Degauss procedure
Ctrl + F8	calls up Direct Adjustment window with Beam / Stigmator Centering
F9	starts Auto Contrast and Brightness procedure
Shift + F9	starts Link Z to FWD procedure
F11	starts Auto Focus procedure
Shift + F11	toggles Display Saturation function
(Shift +) F12	toggles Compucentric (Scan) Rotation tool
Ctrl + o <i>number</i>	moves stage to X=0, Y=0 – Center Position procedure
Ctrl + B	toggles Beam Blank function
Ctrl + E	tilts stage to 0°

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Key(s)	Function
Ctrl + F	sets Electron beam focus to eucentric WD (10 mm)
Ctrl + H	sets Horizontal Field Width (HFW)
Ctrl + K	sets Spot mode conditions
Ctrl + M	sets Full Frame scanning conditions
Ctrl + Shift + M	starts movie recording dialogue
Ctrl + N	toggles Sample Navigation On / Off
Ctrl + O (<i>letter</i>)	opens Preferences dialogue
Ctrl + P	opens Print dialogue
Shift + P	proceeds with next pattern
Ctrl + R	restarts scan
Ctrl + (Shift +) S	saves image (from all quads)
Ctrl + Z	moves stage to the Last position
Ctrl + Shift + Z	starts Take Nav-Cam Photo procedure
Pause key	starts / stops patterning
Ctrl + Pause key	resets patterning
Ctrl + (Shift +) ,	sets one step slower (slowest) scanning
Ctrl + (Shift +) .	sets one step faster (fastest) scanning
Ctrl + (Shift+) Tab	switches between quads (backward) to activate it
Ctrl + Page Up / Down	switches between pages left / right
Ctrl + 1 / 2 / 3 ... <i>letter keypad</i>	selects the particular page (the number corresponds to the toolbar page icon sequence)
(Ctrl +) + / -	increases / decreases the magnification 2× (Digital Zoom)
*	rounds off the magnification / HFW to a nearest round value
Ctrl + arrow	moves the digital zoom area or the pattern by one screen pixel in the respective direction