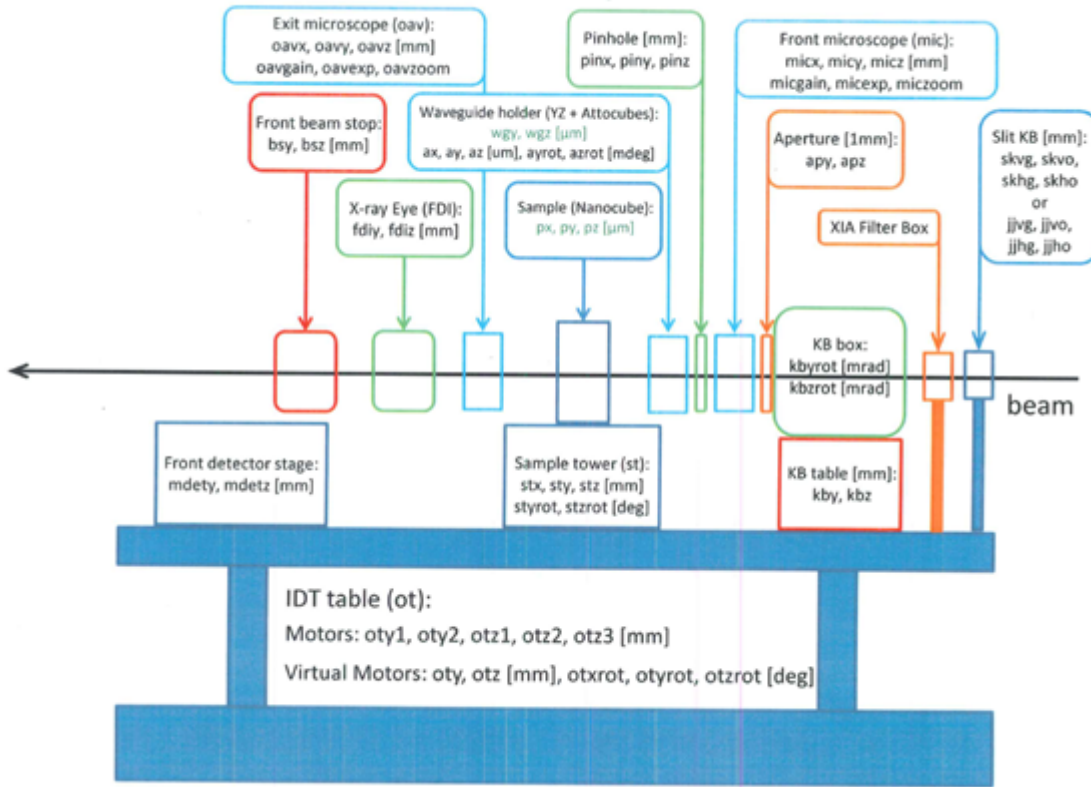


GINIX motors

Göttingen Setup Motoren:



Available SPEC motor names

'stx', 'sty', 'stz'	# sample tower translations, [mm]
'styrot', 'stzrot' (air-bearing stage)	# sample tower rotations, [deg]
'px', 'py', 'pz'	# Sample fine translations (PI nanocube), [um]
'pix', 'piy', 'piz'	# Sample fine translations, [um]
'fy', 'fz'	# piezo motors [um]
'oavx', 'oavy', 'oavz'	# exit microscope translations [mm]
'oavzoom' 'oavgain', 'oavzoom'	# exposure, gain and zoom of exit microscope (zoom in a.u. 0, 10, 20, 30)
'micx', 'micy', 'micz'	# inline microscope translations [mm]
'miclight'	# power of illumination <0,1,2,3>
'micexp', 'micgain', 'miczoom'	# exposure, gain and zoom of inline microscope (zoom in a.u. 0, 10, 20, 30)
'bsy', 'bsz'	# front beamstop stage translations [mm]
'ax', 'ay', 'az'	# waveguides translations [micron]
'ayrot', 'azrot'	# waveguides rotations [mdeg]
wgy, wgz	# Attocube translations of waveguides [micron]
'pinx', 'piny', 'pinz'	# pinhole translations, [mm]
'pody', 'podz'	# waveguides 'smarpod' translations [mm]
'apy', 'apz'	# aperture translations [mm]
'o1x', 'o1y', 'o1z'	# 'Takahashi' 1 st aperture translations [mm]
'o2x', 'o2y', 'o2z'	# 'Takahashi' 2 nd aperture translations [mm]

'mdetx', 'mdety', 'mdetz'	# detector horizontal and vertical translation in [mm]
'kby', 'kbz'	# KB table translations [mm]
'kbyrot', 'kbzrot'	# KB rotations [mrad]
'oty1', 'oty2', 'otz1', 'otz2', 'otz3'	# IDT optical table translations, [mm]
'oty', 'otz'	# IDT table translations (virtual motors), [mm]
'otxrot', 'otyrot', 'otzrot'	# IDT table tilts (virtual motors), [deg]
'skvg', 'skhg', 'skvo', 'skho'	# Horizontal and vertical gap and center offset for the slits in front of KB mirrors, [mm]

SPEC motor movement commands

> wm <motor>	# show motor position
> set <motor> <position>	# set motor position
> mv <motor> <position>	# move absolute
> mvr <motor> <position>	# move relative
> umv <motor> <position>	# move absolute and update positional change
> umvr <motor> <position>	# move relative and update positional change
> set_lm <motor name> <position_min> <position_max>	# Set software limits