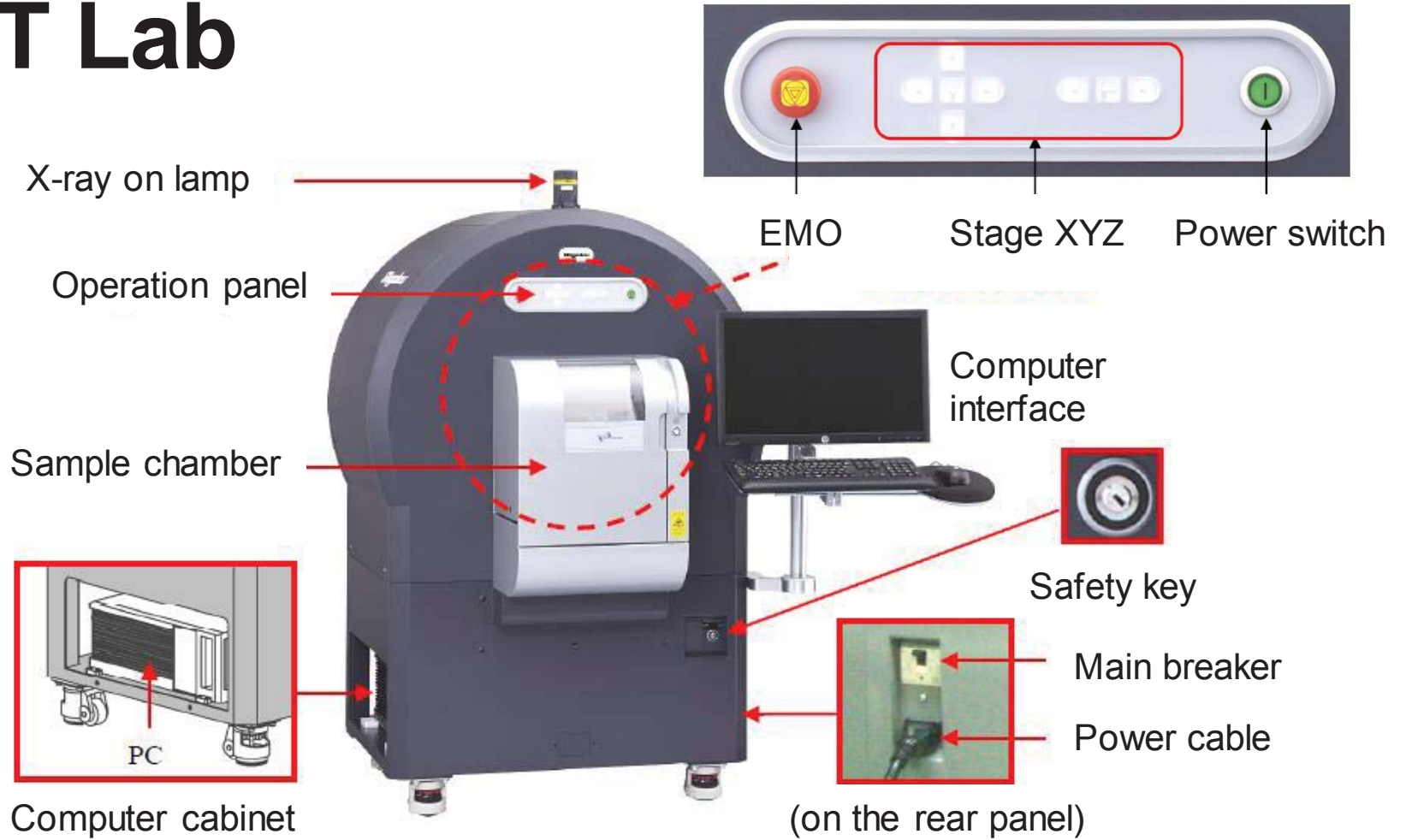
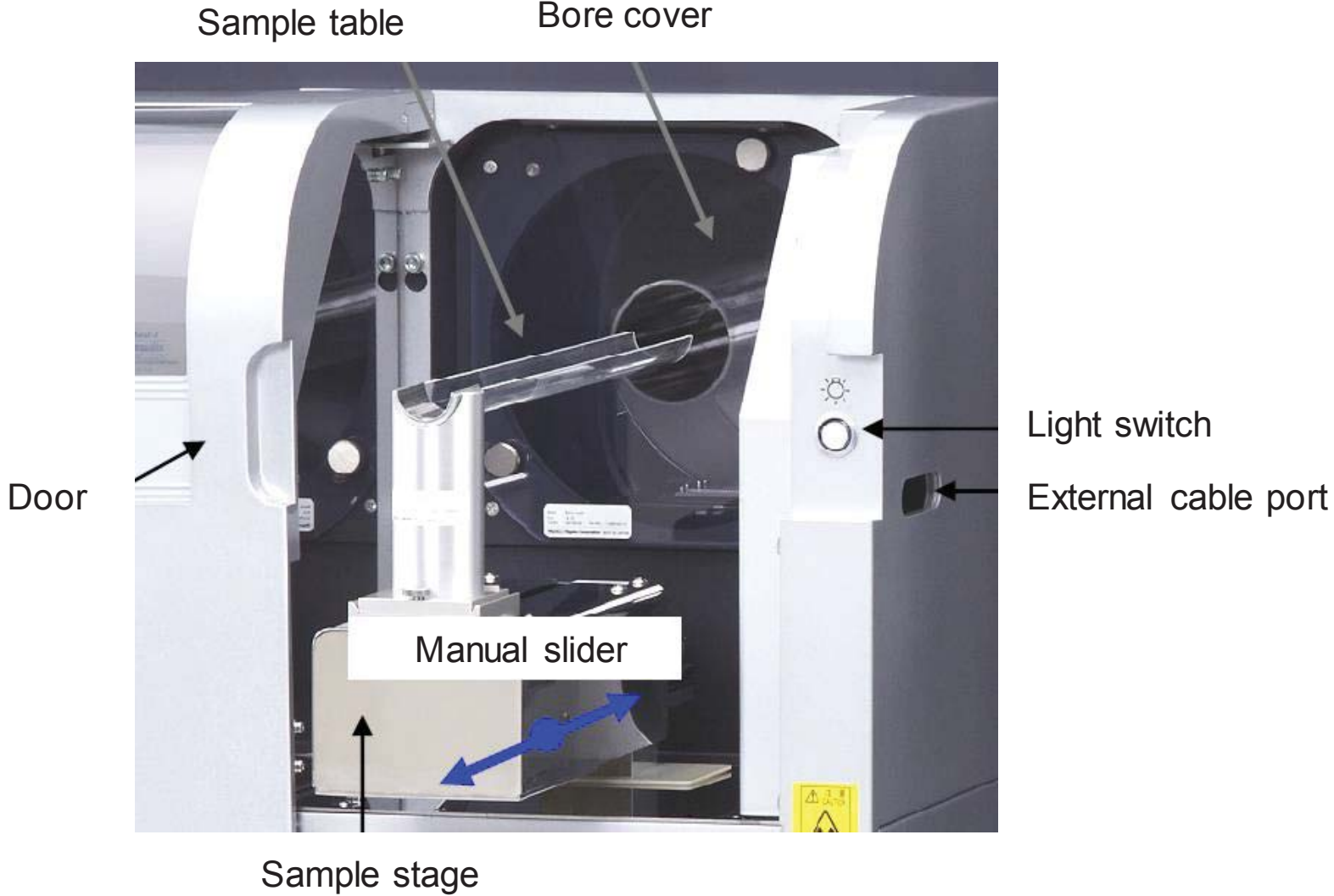
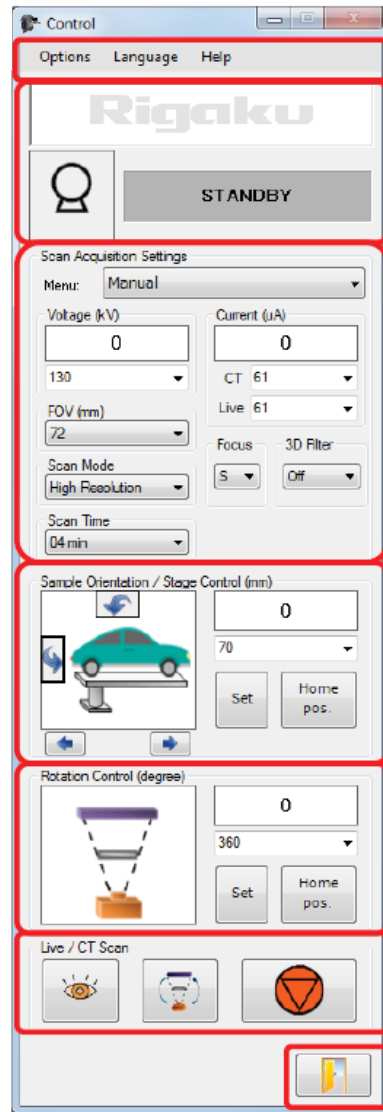


CT Lab





Control software



Menu bar

Current status

Scan conditions

Sample orientation / stage position

Gantry (x-ray & camera) rotation

Live monitor & CT scan start / stop

Exit control software



Database software

Import Export

Database location

Sample ID	Sample Name
1	Sample01
3	Sample02
4	Sample03

Study ID	Study Description	Study Comments	Date of Last Update	Date of Creation
3	20151002		2015/10/02 20:14:04	2015/10/02 20:14:04
4	20151003		2015/10/03 11:19:19	2015/10/02 22:54:47

Series ID	Date of Scan	kV	uA	FOV (mm)	Voxel Size (um)	Scan Mode	Scan Time	Sample Orientation	Filter	Reconstruction Option	Slice Thickness (um)
1	2015/10/02 19:56:36	130	300	36	72	-	2min		Original	-	
3	2015/10/02 19:56:36	130	300	36	72	-	2min		Original	-	

Preview area

Basic operation

1. Place sample on sample stage.
2. Set x-ray generator.
(standard: 130 keV-123 μ A focus M)
3. Select FOV size.
4. Start live monitor.
5. Align sample position.
6. Run a CT scan.

Specifications

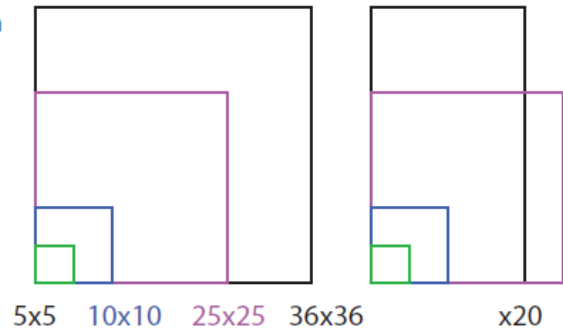
	CT Lab 130
X-ray source	130 kV 39 W
X-ray focus (min.)	5 μm
X-ray target	Tungsten
Geometry	Cone beam geometry
Sample mount	Horizontal stationary mount
Max. FOV	72 mm ϕ x 120 mm
Detector	7 Mp flat panel
Detector pixel size	49.5 μm
Detector size	116.424 x 145.728 mm
Nominal resolution	4.5 μm
Actual resolution	15 – 20 μm

FOV and resolution

Scan mode	FOV [mm]	Depth [mm]	Default res. [um]	Max res. [um]
High speed 8 sec	10/25/36	10/21/20	20/50/72	18
	45/60/72	38/41/36	90/120/150	36
Standard 18 sec – 2 min	5/10/25/36	5/10/21/20	10/20/50/72	9
	45/60/72	38/41/39	90/120/150	18
High resolution 4, 14, 57 min	5/10/25/36	5/10/21/20	10/20/50/72	4.5
	45/60/72	38/41/39	90/120/150	9

FOV at a glance

4.5 micron



9.0 micron

