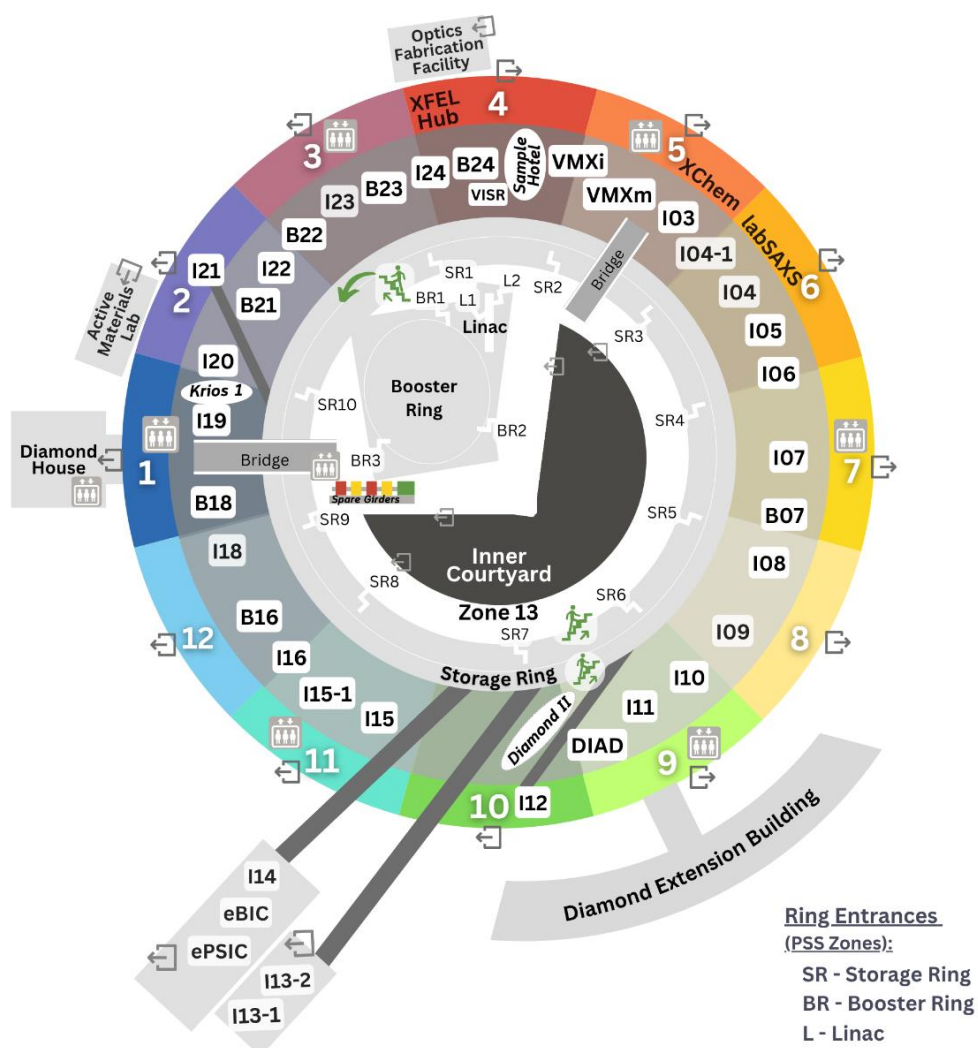


## Welcome to Beamline B23

As part of our commitment to make the facility as accessible as possible this document sets out a detailed description of the physical, built environment of B23. We hope you can use this information to assist you in planning and anticipating your visit. If you have any specific questions please reach out to Diamond User Office at [useroffice@diamond.ac.uk](mailto:useroffice@diamond.ac.uk)

### Location

The beamline is located at the ground floor of the synchrotron building in Zone 3.



## Parking

Parking is normally available in the general visitor parking but a designated space close to the entrance of Zone 3 can be prebook if needed. Please let your beamline local contact know if you require this space to be reserved for you, as well as your intended dates on site no later than 15 days before your first scheduled day with us.

3 (a) has a wide access and hatched lines and 3 (b) is a standard space. There is a dropped curb from the road to the pathway



## Access to the beamline

There are two possible ways to access to the beamline:

### a) Zone 3 Entrance door (ground floor)

The zone 3 entrance door is located close to the beamline.

You will need to present your valid badge to the sensor to release the door. This will cause the light to flash on the card reader and a beeping sound. (The door will become locked if not opened six seconds after presenting your access card at the reader, which is signified by the card reader no longer beeping or flashing).

The door is 76 cm wide and a pull to open door which can be heavy to open with one hand.



Once through the door, you will find stairs on the left to the first floor, where refreshment facilities are located. An accessible toilet is located to your left. To your right you will find a lift.

To access to the experimental ring there is another power assisted door of 90 cm width which can be opened by pressing the power assist button.



Once through this door there is a safety rail straight ahead positioned 96 cm from the door. You will turn right to find B23.

#### b) Entrance by Diamond House building (first floor)

Entry to the building can also be made via the covered bridge between Diamond House and the synchrotron building.

Once through the three sets of doors, you will find stairs and a lift to the ground floor, where the beamlines are located. At the bottom of the stairs/lift, a last set of doors with power assisted button give access to the experimental hall floor.

#### Exiting the synchrotron building

To exit the building by any door, you need present your access card. For the zone doors, after swiping your badge you will need to press a dome button to unlock the doors.

#### B23 beamline

During experiments users have access to the control room, the experimental cabins, and the sample preparation room.

#### Experimental cabin

The experimental cabin is a large room. There are six steps with a handrail to reach the workstations. There is also an accessibility lift to the left which can be operated by users.



The workstations are 88 cm high with a non-adjustable table and screen. The chairs are adjustable. The narrowest point in the experimental cabin is 54 cm which needs to be navigated in order to reach Module B. The loading of samples is at head height (approximately 155 cm).



### Sample prep lab 12

Lab 12 is available for users to prepare samples. This is a standard design with lab benches at 93 cm high and adjustable chairs. There is some above bench storage. There is also a fume hood at approximately one metre in height designed for working whilst standing.

There is a drying oven and an ice machine located under the bench which it would be necessary to bend down to access.



Desk phones are available in the hutch that can be used to make internal calls to the experimental hall co-ordinators or any other necessary calls, including emergency calls.

**Please note that due to lead and concrete shielding, there are many areas in Diamond that have poor mobile network coverage. If you have difficulties using desk phones, or reduced mobility that you feel may hinder your ability make a call from a desk phone in an emergency, please let us know and we can either provide a wi-fi phone or help you setup your own device to make calls over our network connection, if this is possible.**