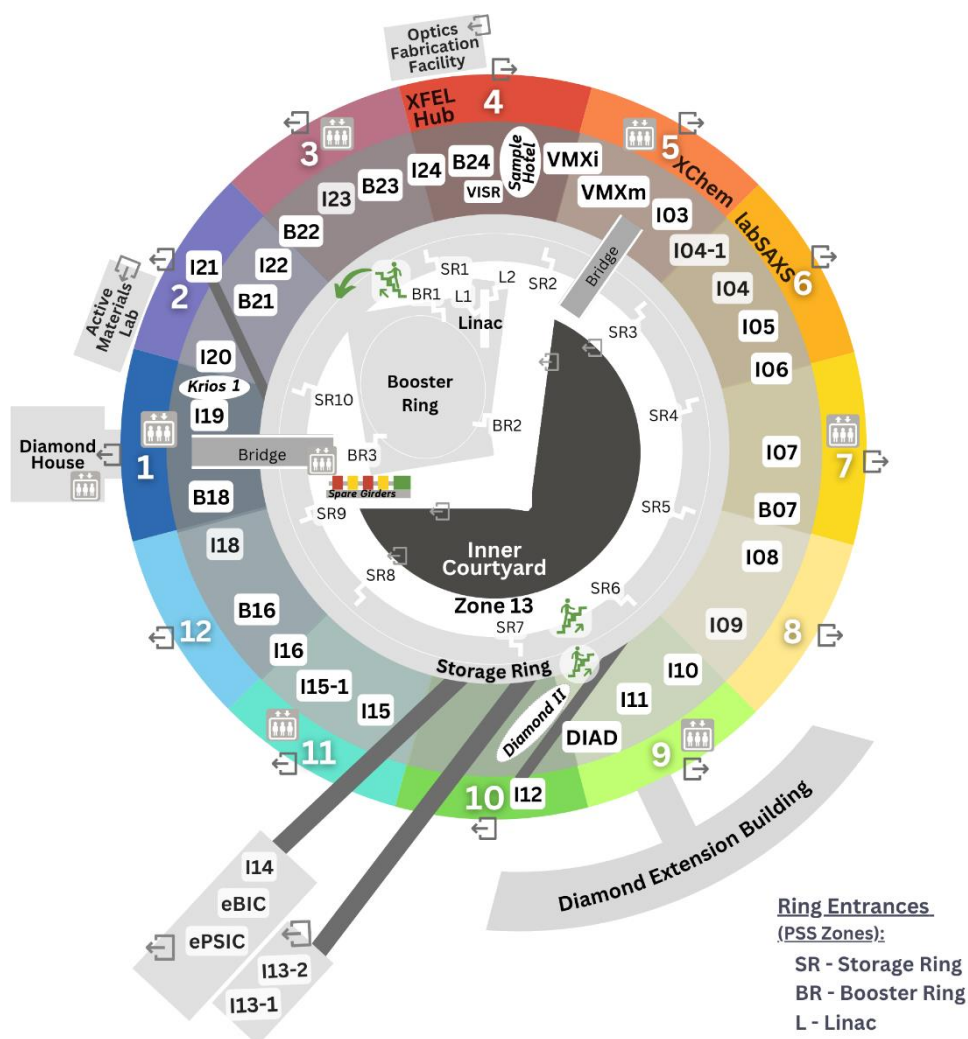


## Welcome to Beamline I22

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 I22. 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 on the ground floor of the synchrotron building in Zone 2.



### Parking

Parking is available as part of visitor parking but a designated space close to the entrance of Zone 3 can be prebooked if needed. Please let your beamline 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 (b) is an ordinary space and 3(a) has driver's side access space. There is a dropped curb from the road to the pathway.



## Access to the beamline

There are three possible ways to access the beamline.

### a) Zone 2 entrance door (ground floor)

This door is located closest to the beamline. There is a covered walkway from the road to the door at Zone 2.

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



Covered walkway



Badge reader

Through the door, you will find stairs to the first floor. An **accessible toilet** is located to your left. To access to the experimental ring there is another power assisted door 90cm wide which can be opened by pressing the power assist button.

Through this door, you will turn left to find I22. To reach the beamline you will have to navigate under a **low beam** shown in this picture. This is 132cm high and requires the ability to duck down.



Low beam (132cm high)

#### b) Zone 3 entrance door (ground floor)



Safety rail

It is also possible to access the beamline by using the Zone 3 entrance door. Once inside you will find a lift to the top floor of the synchrotron. To reach the beamlines, use the power assisted door on to the experimental hall floor. There is a safety rail situated directly in front of you, positioned 96cms from the door. Turn right to find I22.

#### c) Via Diamond House and the link bridge

Entry into the synchrotron building can also be made via the covered bridge between the first floor of Diamond House and the synchrotron building. When entering via the link bridge you will need to turn left and walk to Zone 2 and descend the stairs or Zone 3 to use the lift to the ground floor.

### Exiting the synchrotron building

To leave the building, you need to press the green dome button to release the door.

## I22 beamline

During experiments, users have access to the control room, the experimental hutch, laboratory and the I22 data room, which is on the first floor of the synchrotron building.

### a) control room

The control room is accessible via the experimental hall. There are no steps and the sliding door is 76cms wide. It has an area with fitted, non-adjustable desks. There are standard office chairs which are adjustable. The room is quite compact. There is a coffee machine located here.



### b) experimental hutch

The experimental hutch is relatively large. The door is 76cm wide with a lip at floor level but can be open to double the width. There is a ramp available to assist with access.



There is wide access around the instrument and to the sample table but there is a 52cm width at the narrowest point when the instrument is pushed back. On the far side, there is a platform with two steps up which users will need to be able to access when carrying out the search procedure. There is no handrail on the steps.



### c) laboratories

The laboratories are accessed using a card reader. The doors are 80cm wide with no steps. They are fitted with standard lab benches with shelving above.



### d) I22 data room

This room is located in Zone 2 on the top floor of the synchrotron. It is a communal space that users can access to relax, discuss and work. It is accessed using your pass on the card reader and the door pulls open. There are chairs, sofas and a coffee machine.



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.