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*axis*  
ENTRANCE SYSTEMS

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ENTRANCE SYSTEMS



MAKING AN ENTRANCE?

We're your...

**EXPERTS FOR MANUAL  
& AUTOMATIC DOORS**

We...

- INNOVATE & DESIGN
- MANUFACTURE & TEST
- SUPPLY & INSTALL
- SERVICE & MAINTAIN

## EXPERIENCE

Axis Entrances is an independent company, established in 1987. Our long and successful history gives us a wealth of experience and expertise, which positions us an industry leader, well-versed in working with architects and main contractors.

## INNOVATION

Our innovation credentials are best demonstrated by the invention and design of our own multi-award-winning range of Flo-Motion® doors, which are extensively specified in the healthcare sector. We also manufacture, install and service the range.

## EXPERTISE

As recognised experts in our field, we also supply, install and service the doors from our carefully chosen supply partners, including Doorson & Manusa. These close partnerships ensure we have solutions for almost all internal and external entrances.

AXIS 3  
 FLO-MOTION 4 - 7  
 MANUSA 8 - 9  
 DOORSON 10 - 11  
 STANLEY 12 - 13  
 OTHER PRODUCTS 14  
 SERVICE & MAINTENANCE 15

3  
 4 - 7  
 8 - 9  
 10 - 11  
 12 - 13  
 14  
 15



**axis**  
 ENTRANCE SYSTEMS

# DOORS

NEVER A SIMPLE 'OPEN-AND-SHUT' CASE!

New build and refurbishment projects are some of the most challenging – seldom straightforward, they always require expert knowledge and understanding for every aspect of each phase.

Doors are no exception. The range and choice of doors is huge, and Axis offer manual and automatic doors for most commercial applications.

## SECTORS

### Healthcare

Treatment rooms, consulting rooms, operating theatres, X-ray and scan rooms, wards, waiting areas, kitchens & canteens and main entrances.

### Retail, Offices & Public Buildings

Main entrances, low level curtain wall & shopfront systems, security & fire doors and internal glazed screens.



## AESTHETICS AND FUNCTION

As well as the need to be aesthetically pleasing and in keeping with the environment, each type of door has specific functional requirements, dictated by the type and frequency of the traffic passing through the door and of course what or who lies behind or beyond each door. The permutations and requirements are endless...

...And that's why organisations rely on the **world class expertise, experience and product portfolio** of Axis Entrance Systems.





# LOW-FRICTION MANUAL SLIDING DOORS

WITH FINGERTIP CONTROL

Our first Flo-Motion doors were conceived, designed and developed in-house, for the new state-of-the-art, Alder Hey Children's Hospital in Liverpool, which opened in 2015.

(see overleaf pages 6-7)

## AWARD-WINNING

Our Flo-Motion doors have won four prestigious awards:

- Laing O'Rourke Construction North Innovation Award 2015
- IHEEM Product Innovation Award 2015
- BBH Best Internal Product Award 2015
- European Healthcare Design Award 2016

## HOW FLO-MOTION WORKS

Flo-Motion doors feature cassettes with re-circulating ball guides, sliding on a special low resistance linear track with damper mechanisms at the fully opened and closed positions.

The high number of balls ensure continuous contact with bearing surfaces, as well as the contained roller, which increases the slide load rate capability and decreases the movement force.

## APPLICATIONS

### Healthcare environments:

- Children's Wards
- Geriatric Wards
- ICU/CCU Rooms
- Treatment Rooms
- A&E
- Offices

### Other environments:

- Meeting Rooms
- Display Rooms
- Most non-fire rated locations

All Flo-Motion® doors now come with a 5-year warranty, as standard. A 7-year warranty is also available.

## THE RANGE

Conceived and designed with versatility and flexibility in mind, the Flo-Motion range contains over forty different designs from a single door sliding over a wall, to an 8400mm glazed screen, incorporating two, single telescopic, sliding door sets.

*BIM models, specifications and CAD drawings are available by request and also on our website.*

## FLO-MOTION CLEAR OPENING CALCULATOR

Our revolutionary online Flo-Motion Clear Opening Calculator allows you to select the best option to meet your requirements.

## EPD VERIFICATION

Our ten most specified Flo-Motion® doors have now been included in the EPD (Environmental Product Declaration) Verification Scheme on the BRE (Building Research Establishment) GreenBook Live portal.



**CLEAR OPENING  
CALCULATOR  
AVAILABLE  
ON OUR WEBSITE**







# ALDER HEY CHILDREN'S HOSPITAL

## CASE STUDY

Caring for over 330,000 children, young people and their families every year, Alder Hey Children's Hospital has 270 beds, including 48 critical care beds for patients in ICU, HDU and Burns. There are six standard wards with 32 beds. Each ward has two four-bed bays and 24 single rooms with en-suite bathrooms.

The majority of bedrooms have park views and patients have easy access to play areas on and outside their ward. There are also 16 operating theatres, four for day-case surgery and twelve inpatient theatres. To realise the vision of the architects BDP, our brief was concise with very exacting specifications.

### OUR BRIEF

In total, Axis was asked to design, manufacture and fit over 200 doors throughout the hospital. The importance of creating an environment that was light and airy was absolutely vital to the whole design concept, which meant our doors had to be very special indeed.

#### Each door required:

- Openings large enough for beds and equipment to freely move through
- Glazing for light-sharing brightness and the desired sense of airiness
- Integrated blinds for privacy during examinations or for occasional solitude
- Easy-opening for children of all ages and strengths, without power assistance. The architects specified a target average opening force of less than 22.5N

“*The extra-large, easy opening, glazed sliding doors have transformed the way single rooms work to deliver healthcare, with a choice of privacy or social interaction when required, without the loss of clinical observation*”

**DAVID HOUGHTON, PROJECT MANAGER,  
CHILDREN'S HEALTH PARK PROJECT,  
ALDER HEY CHILDREN'S NHS FOUNDATION TRUST.**



### SOLUTION

Our brand new concept of Flo-Motion doors was born, to complement and help fulfil the ground-breaking, state-of-the-art overall design and build.

Our Flo-Motion solution provided full width, glazed doors throughout. The average opening force of the doors exceeded BDP's high expectations, as we achieved just over 10N, less than 50% of the maximum force specified.

### OUTCOME

**Our Flo-Motion doors met and in most instances exceeded all expectations to help provide:**

- Spaciousness with optimal natural light
- Excellent visibility between staff and patients
- A highly efficient and effective working environment
- The best possible experience for patients and their families







**manusa**   
intelligent access

# HERMETICALLY SEALED DOORS

FOR THE HEALTHCARE SECTOR



Founded over 50 years ago, Manusa is a leading company and trusted Axis supplier of automatic hermetic doors, including sliding, swing, lead lined and glass.

Our range of Manusa hermetic doors are used widely in the European healthcare sector, when specific areas need isolating. Attributes include:

## MANUSA HERMETIC SEALS ACROSS THE RANGE

### Sliding Door

The leaf drops down 15mm towards the floor and fits 10mm towards the frame to seal the perimeter of the gap.

### Swing Door

The leaf is sealed at the side and top and is equipped with a mechanism that seals the bottom of the door when it reaches the fully closed position.

### Block Frame

A perfect fit with the leaf guarantees the hermetic sealing on any type of wall and allows the gap to be lined with the same finish as the leaf.

### X-Ray Room Doors

Lead lining on both the leaf and the vision panels guarantees the required insulation.

- **Functional with unique features to guarantee effortless, smooth movement**
- **Aesthetic with minimalist lines and high class finishes**
- **Hygienic with flush-surfaced design and easy clean materials**
- **Manusa Visio+ 125 sliding door operator was successfully tested to 5,000,000 cycles using a 90kg door**

## APPLICATIONS

### Healthcare environments:

- Isolation Wards
- ICU/CCU Rooms
- X-Ray Rooms



# SLIMLINE & HIGHLY AESTHETIC

High quality and sophisticated compact sliding doors that ensure smooth opening and closing transitions in high footfall environments, are the hallmark of our Doorson 300 series range.

The range has a number of stand-out features, including:

- **Compliance with EN16005 European Standards for safety in use of power-operated, pedestrian door sets**
- **Ideal for emergency exits and escape routes with redundant function for automatic opening in case of fire signal, power failure, system-malfunction, or emergency switch activation**
- **Innovative 'energy-save' feature means in operating mode 'open' or 'closed' they consume less than 0.5Wh**

## APPLICATIONS

### Healthcare environments:

- Most Non-Isolation Areas
- Emergency Escape Routes

### Other environments:

- Retail
- Offices
- Public Buildings

## DOOR PROFILE THICKNESS

20mm, 30mm\* and 47mm

## THE RANGE

**300** - Standard Sliding Doors

**300 Thales** - Interior Sliding Doors

**300 A** - Break-Out Sliding Doors

**300 T** - Telescopic Sliding Doors



\*thermally broken option available



# STANLEY.

## AUTOMATIC SLIDING DOORS

FOR MOST TYPES OF COMMERCIAL PROJECTS

The combination of cutting-edge micro-processor technology and advanced engineering makes our Stanley Dura-Glide 2000 series range of automatic sliding doors, the most dependable and highest performing in the industry.

This robust range delivers efficient solutions and a safe patient, staff and visitor experience.

### APPLICATIONS

#### Healthcare environments:

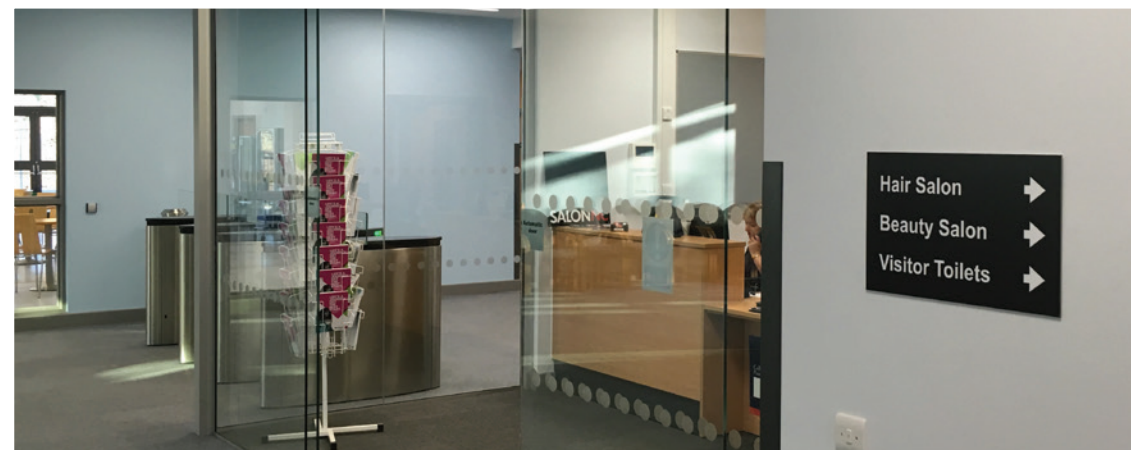
- Main Entrances
- Interior Corridors
- ICU/CCU Rooms
- A&E Departments
- Clean Rooms

#### Other environments:

- Retail
- Offices
- Public Buildings
- Pharmaceutical
- Manufacturing

### THE RANGE

- SLD with "break-out" options
- Inline of surface mounted formats
- All glass packages
- Clean Room Certified
- SLH – utility and slim line header
- Surface mount applications only
- All glass packages





# OTHER PRODUCTS

## LOW LEVEL CURTAIN WALL & ALUMINIUM SHOPFRONT SYSTEMS

Axis use and recommend the Kestrel aluminium profile system as it is:

- Economic and aesthetically pleasing
- Superb for buildings requiring good thermal and weatherproof performance
- Suitable for low-rise applications up to 20m tall
- Tried and tested by a UKAS certified body
- Our Aluminium Shopfront System has profiles for flush glazed applications, bead glazed applications or a mix of both.
- 95% of aluminium used in buildings and architecture is recycled



## AUTOMATIC SWING DOORS

Suitable for the automation of new or existing, light and heavyweight door types. Axis swing door drive systems are designed for quiet and reliable operation:

- Low or full automatic applications
- Universal drive systems
- Wide range of activation and safety devices

## STEEL DOORSETS & SCREENS

A wide range for both internal and external applications suitable for all Industrial and Commercial sectors:

- Range of security and fire resistant doors
- Glazed screen with up to 2 hours fire resistance to BS476:Part22:1987
- All made to measure
- Swing doors can be automated
- Security range certified to LPS1175 and approved by Secure by Design
- All manufactured in the UK



# SERVICE & MAINTENANCE

The Axis Service & Maintenance team offers a wide range of services including:

- Responding to ad hoc call out requests
- Pre-planned annual servicing contracts
- Our ongoing annual maintenance programme with 24/7 emergency callout

*As with installations, all our service and maintenance work on automatic doors is carried out as per the guidelines of EN16005:2012 (Power operated pedestrian doorsets. Safety in use. Requirements and test methods)*



## NEXT STEPS

Axis has a friendly Service Team with extensive knowledge and experience

CONTACT US WITH ANY QUESTIONS

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