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Photo credit: Mark Wagner

axis
ENTRANCE SYSTEMS

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ENTRANCE SYSTEMS



*THE ENTRANCE &
DOOR SPECIALISTS*

WORLD-CLASS PRODUCTS & EXPERTISE

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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



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.

**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 20N

“*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:

- **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**



APPLICATIONS

Healthcare environments:

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



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.

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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