Automatic Swing Door Systems
Driven by Quality

Jointly with proven partners TORMAX realises swing door solutions to meet most varying requirements throughout the world. The centre piece, the drive, is designed, developed and produced by TORMAX itself. Every single drive fulfils the highest quality requirements and is subjected to tough tests before leaving our premises.

Intelligence Made to Measure

iMotion is the new generation of TORMAX for automatic door drive systems. With this system you opt for intelligence, reliability, economy and ecology. iMotion offers precisely what is needed by planners, architects, operators and users to fulfil their desires:

- operating safety, even when user frequency is at its most
- extremely long life cycle
- absolute reliability
- low maintenance requirement
- all-out safety for persons
- dynamic opening and closing motions
- silent door leaf motion
- materials according to RoHS standard
- interface to any kind of building management systems
- individual applications for indoors and outdoors
- ready for future extensions

You can also find further proven TORMAX drives in addition to iMotion in our swing door range. Compact structure and plain design pave the way to manifold possibilities of design.
Everywhere, where the manual actuation of doors is cumbersome or difficult, automatic swing doors of TORMAX facilitate the passage. They are easy to mount and thus are ideally suitable both for new buildings and for retrofitting jobs. The varying fitting possibilities pave the way for mobility without being impaired by obstacles.

<table>
<thead>
<tr>
<th>Type</th>
<th>Type of opening</th>
<th>Mounting position</th>
<th>Type of linkage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-leaf</td>
<td>opening to the left or to the right</td>
<td>lintel mounted</td>
<td>standard linkage, lintel mounted</td>
</tr>
<tr>
<td></td>
<td></td>
<td>door-leaf mounted</td>
<td>standard linkage, door-leaf mounted</td>
</tr>
<tr>
<td>Double-leaf</td>
<td>opening in the same direction</td>
<td>lintel mounted</td>
<td>sliding lever lintel mounted</td>
</tr>
<tr>
<td></td>
<td>two-way opening</td>
<td>door-leaf mounted</td>
<td>sliding lever lintel mounted</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>with panic fitting</td>
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<tr>
<td>Invisible drive solutions</td>
<td>opening to the left or the right</td>
<td>in the ceiling</td>
<td></td>
</tr>
<tr>
<td></td>
<td>opening in the same direction</td>
<td>in the floor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>two-way opening</td>
<td>to the cellar ceiling</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>no linkage</td>
<td></td>
</tr>
</tbody>
</table>

The basic technical conditions vary depending on drive and system:

| Door-leaf weight                    | up to 450 kg per door-leaf on 1 m width |
| Maximum door-leaf width             | up to 1.60 m                           |
| Profile thickness door leaf         | variable                               |
| Lintel depth                        | great flexibility                      |

Other data upon request
Automation for Every Door

Automatic swing doors are very practical: They close tightly and are easy to mount. When newly installed they only require slight adjusting work and existing manual doors are automated quickly. In hotels, restaurants, shopping centres, shops, office buildings, hospitals, nursing homes, schools, cultural buildings etc. automatic swing doors increase comfort and make it possible for frail persons to enter without having to overcome obstacles.

Automatic swing doors of TORMAX seal the entrances to such an extent that it stays warm inside and cold outside – and vice-versa. Odours, sounds and noises also stay where they arise and thus the adjoining rooms and areas are not burdened.

In addition, automatic swing doors fulfil a number of further requirements if needed:

**Fire and smoke protection**
- close safely in case of fire
- protection against fire and smoke spreading

**Smoke dispersal**
- if a fire occurs the doors open safely to ensure fresh air can flow in

**Rescue and escape routes**
- for safe emergency exits
- manual opening possible in case panic breaks out

**Installation into floor or ceiling**
- no visible drive, no linkage
- ideal, if aesthetic aspects or heavy doors are of importance

**Hermetically closing doors**
- absolute tight close
- for instance in clinics, laboratories, sensitive production halls or workshops

**Noise insulation doors**
- optimum protection against sound

**Radiation protection doors**
- protection against radiation in clinics and other sensitive areas

**Minergie doors**
- prevent unnecessary open times and the loss of energy in such connection

**Barrier-free building**
- simple adjustment with contact-free switch and longer open times
Unlimited Design

Variable design, combined with the almost unlimited technical possibilities provided by TORMAX make it possible for you to automate every swing door optimally – in listed houses just as in modern buildings. The choice of door filling is not limited: wood, glass, plastic, steel or any other material is possible. The door profiles can be stove-enamelled in any desired colour, powder-coated or anodised colourless. If the drive is in the floor, you also have a free choice with regard to shape of the door.

Push & Go
• a little pressure applied with the hand or elbow suffices for the door leaf to open automatically
• forestalls unnecessary opening of the door and reacts to obstacles

Door closer function
• simple manual operation in powerless state possible

Air lock and wind screen function
• two co-ordinated door systems regulate the access, prevent air interchange between indoors and outdoors respectively

Access control
• the access to the building is monitored by key, badge, video or biometric data

Building automation
• possible to integrate into existing building facilities management system

Two independent motional sequences
• possibility to program two motional sequences which are independent of each other
• activation of these sequences via various sensors

Wind exposure/Environment influences
• the motional sequence of the door remains the same no matter how windy it is and what the changes in temperature are
Safety Whatever the Case May Be

Thanks to their modern control system, TORMAX swing door systems are perfectly prepared for the integration of safety devices. Freely adjustable forces and the integrated reversing system which operates when resistance is experienced guarantee for the best protection of persons. Light curtain, emergency opening and closing, finger protection, speed and sensitivity of the doors can be adjusted to the requirements at place of operation and thus provide the utmost in safety.

TORMAX swing door drives have up to four monitored safety features. They thus comply with the strictest current requirements. The door can be opened manually during a power cut, it closes automatically again. Various sensor systems and standard locks are available to cover all safety requirements.

TORMAX drives fulfil all the prevalent standards and guidelines.
You will find a suitable automatic door system at TORMAX for whatever use you intend. They are all convenient. Not least silent, reliable and safe.

Swing Door Systems

Consultation and service included
Ask for further documents on the individual systems or simply ask your TORMAX partner. He will be glad to offer you help in conceiving door systems, the selection of materials, the calculation of cross sections, professional assembly – in brief: he offers all services prior to, during and after the purchase. If necessary, service professionals are at your disposal on the spot wherever you are in the world.

You find your TORMAX partner at: www.tormax.com

Sliding Door Systems

Revolving Door Systems

Folding Door Systems