

GRABEX
windows

MANUFACTURER & INSTALLER ■ LONDON & SURROUNDING COUNTIES



MAGLEV SLIDING DOORS

New Lift & Slide for all door materials



No architectural barriers, more glazed surfaces, lighter spaces & improved energy efficiency.

Easy to operate, the system requires minimum effort to lift heavy window - exactly three times less than the force usually required to handle a traditional lift and slide system!

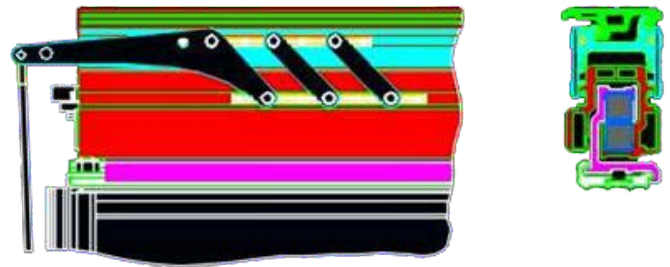
Maglev Sliding Door System offers the air-tightness and performance of traditional L&S with smooth gliding operation, that creates a **magnetic levitation** effect!

Capable of carrying substantial load, greater than most of the systems currently on the market, it can help you create large scale sliding glass walls, virtually maintenance-free, to enjoy for decades!

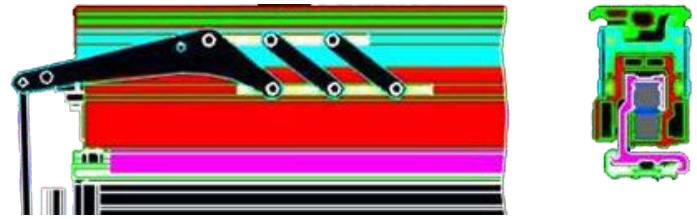
WINDOWS ■ DOORS ■ SLIDING SYSTEMS ■ BI-FOLDS ■ ROOFS

KEY FEATURES OF MAGLEV

- ✓ Greater smoothness & lightness of sliding movement
- ✓ Easy to operate
- ✓ No friction or wear, so no need for maintenance!
- ✓ Mechanism installed inside frames
- ✓ Profile thickness can be hidden into the false ceiling
- ✓ Designed with positioning on the upper transom of the frame
- ✓ Single door panel can be lifted 9 mm
- ✓ Sash can be activated manually or automatically
- ✓ Permanent magnets guaranteed to last 400 years
- ✓ Possibility to build a leaf that could potentially be made entirely of glass
- ✓ Options to reducing the visible portion of the frame even further
- ✓ Greater load capacity - 250 Kg per linear metre (max 1,000 Kg)
- ✓ Can be applied with flat threshold or traditional thresholds in order to obtain different performances



Magnetic Lift & Slide: closing position



Magnetic Lift & Slide: opening position





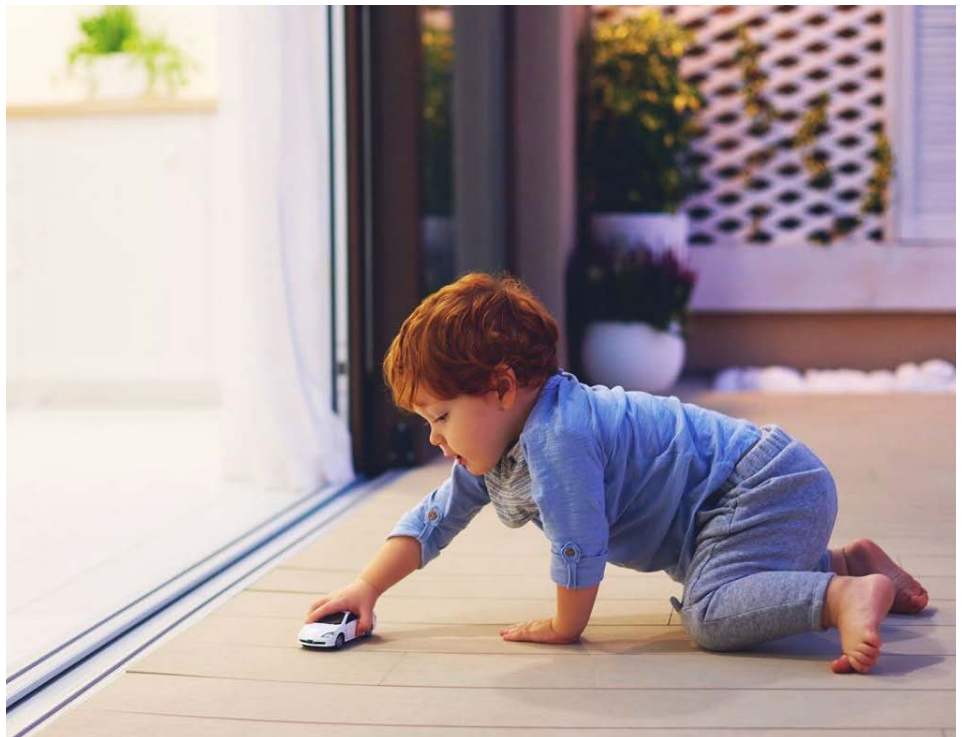
PERMANENT MAGNETS

The use of permanent magnets means the window functions without a power source. This solution also means that the window can be operated during electrical power failures.

This system functions thanks to a parallelogram created with linkages incorporated in the upper frame transom, which are moved by the mechanism incorporated in the frame's mullion.



The movement causes magnets in the frame to react with the magnets in the door leaf and lifts the door leaf off the floor with magnetic levitation effect! Lack of direct contact between the frame and leaf results in smooth sliding action and extended working life of the window.





GET INSPIRED!



**ORPINGTON SHOWROOM
HEAD OFFICE & FACTORY**

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7am - 5pm weekdays
9am - 2pm Saturdays