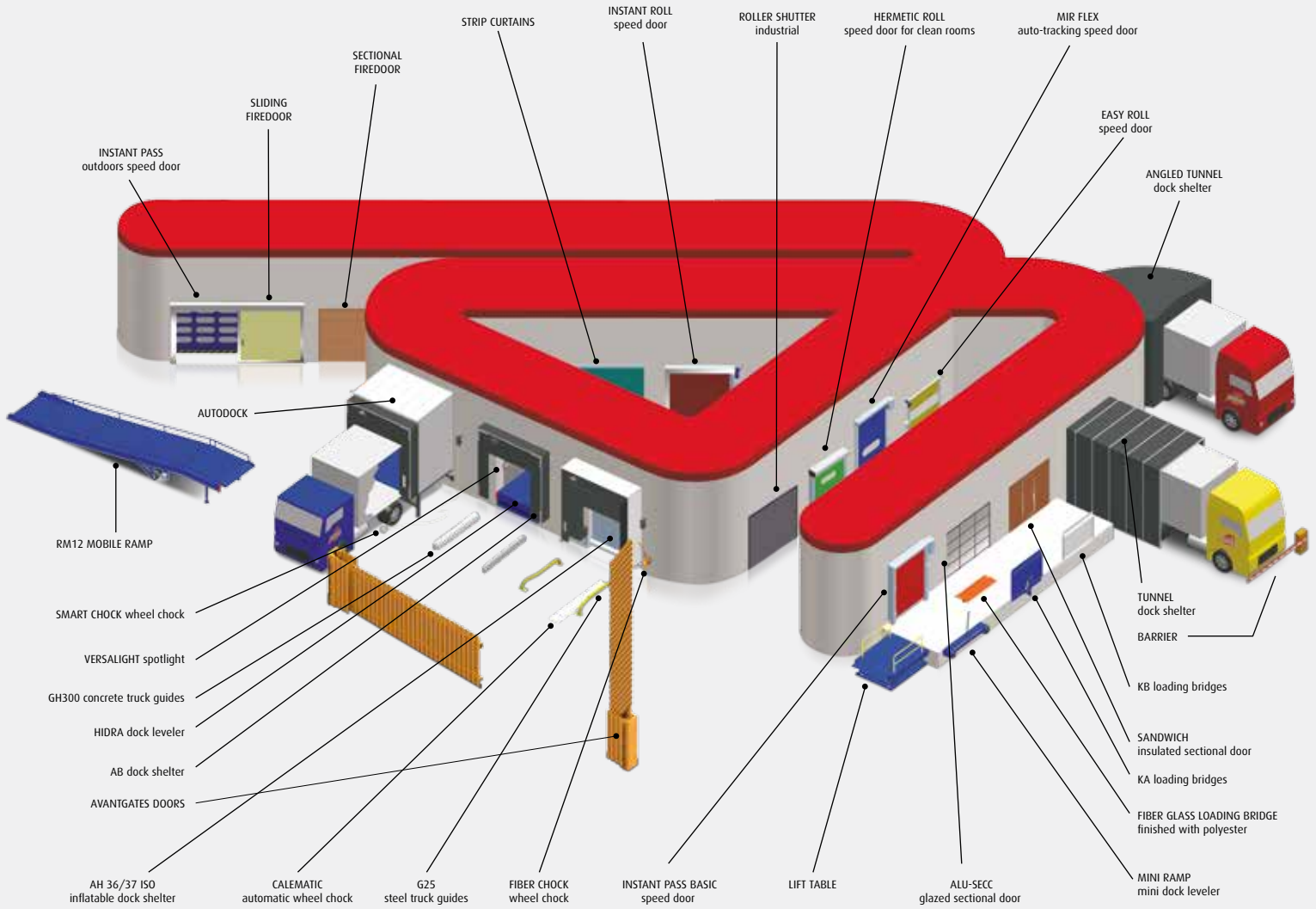




LOADING BAY EQUIPMENT
Loading docks, safety systems
and lifting tables





EXPORTING OVER 50 COUNTRIES SINCE 1967

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The passion for the work well done, is the key of the Angel Mir growth.

We are manufacturers with 50 years experience in industrial equipment for access management and logistics. We have developed special doors that are references within the industry. Patented systems, with own identity, have been created from our will to meet our customer's demands.

All custom-made solutions are developed to resolve technical, operational, secure and aesthetical requirements.

Because at **Angel Mir®** our goal is customer satisfaction, every single team is unique; therefore, we give advice and we design each product according to the requirements of the corresponding application and we take care of its installation. Likewise, we supply a maintenance and repair post-sales service throughout the entire life cycle of the product.

Ángel Mir
President

La Bisbal
BARCELONA



Angel Mir factories with over 22.000 m²



Energy efficiency

Some products of **Angel Mir®** have been designed to provide significant energy efficiency and reducing consumption of resources.

With our experience, we support and help our customers to carry out the projects with maximum energy savings through the most appropriate choice of our products. Also, depending on the sector, we recommend the most durable and suitable equipment for each application.

Raw Materials

All these years, **Angel Mir®** has always counted on local and European suppliers that provide the best raw materials to achieve the best performance of its loading bay equipment's and durability.

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LIFTING TABLES

The lifting tables from **Angel Mir®** have a remarkable place in the areas of goods production and manipulation, where it is necessary to make a difference at all levels, either fixed or mobile. The lifting tables are mainly in charge of motionless, bulky and uncomfortable loads, as well as the different types of goods and carriers. The lifting tables increase productivity, rationalize the manufacture activities and supply all the necessary environmental comfort as well as bringing ergonomic solutions to avoid damages. The lifting tables from **Angel Mir®** can be included in the automated logistic systems.

Furthermore, they can be independent units within the production system. They can be ready-made to satisfy your needs and special requirements. At the moment of investing in lifting platforms, it is recommended to perform a detailed analysis of the tasks to avoid future limitations concerning the several applications and to make sure the expectations at hand are fulfilled. All the **Angel Mir®** products are in a constant development, pointing to the attainment of higher applications and the improvement of safety. The objective is to consider the lifting platform as an essential equipment of performance and production. Besides its wide standard equipment, the lifting tables from **Angel Mir®** can be supplied with an additional equipment to simplify its use and enhance its safety and versatility

SINGLE SCISSOR TABLE Model

The single scissor lift table by **Angel Mir®** consists of a lift platform based on a simple scissor movement. This is the basic model from our range of elevating scissor platforms.

It has a multi-function application and is mainly used to solve problems related to uneven ground in production and logistics areas. Its use allows these areas to be evened out.

Features:

- Load capacity up to 10,000 kg.
- Lift stroke of 500-2000 mm.
- Dimensions of platform (see table).



The steel structure of the main support is a square shaped steel platform to ensure greater stability and strength.

Customized solutions can be provided.

MODEL	CAPACITY en Kg.	PLATFORM (L x A)	LENGTH MAX. (mm.)	WIDTH MAX. (mm.)	LIFT (mm.)	FOLDING (mm.)	TIME lift (sec.)	ENGINE (Kw)	WEIGHT in Kg.
M0-005050-D1	500	800x600	1.100	1.100	500	180	9	0,75	130
M1-005090-D1	500	1.350x800	1.700	1.300	900	180	20	0,75	210
M1-005090-D1B	500	1.350x1.000	1.700	1.500	900	180	20	0,75	220
M1-005125-D1	500	1.800x800	2.150	1.300	1.250	220	19	0,75	255
M2-005160-D1	500	2.250x800	2.650	1.300	1.600	220	33	0,75	430
M1-0100065-D1	1.000	1.000x800	1.300	1.300	650	180	12	0,75	170
M1-010090-D1	1.000	1.350x800	1.600	1.300	900	180	20	0,75	210
M1-010090-D1B	1.000	1.350x1.000	1.600	1.500	900	180	20	0,75	220
M1-010125-D1	1.000	1.800x800	2.050	1.300	1.250	220	33	0,75	255
M2-010125-D2B	1.000	1.800x1.200	2.200	1.700	1.250	235	27	1,1	410

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LOW-BUILT TABLES Model

Extraflat tables by **Angel Mir®** are the logical and affordable solution for the handling team on production lines which depend on logistics systems. They also form independent work stations for off line tasks. Our low-profile table has a total vertical lift action, an important requirement when the lift table is installed on a production line.

Thanks to its low height, no hole in the floor is needed and means the operator can work at the optimum height for comfort and safety.

The low-built and U-shaped low-profile tables need to be apart from the lift table so as not to limit its operation.



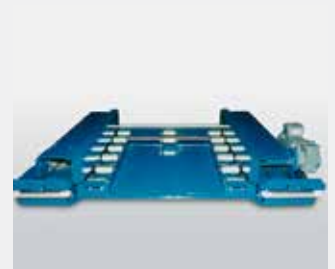
ML Model



MLU Model



MLU Model tip up



Low-profile with rollers.



MLE Model



MODEL	CAPACITY in Kg.	PLATFORM (L x A)	LENGTH MAX. (mm.)	WIDTH MAX. (mm.)	LIFT (mm.)	FOLDING (mm.)	TIME lift (sec)	ENGINE (Kw)	WEIGHT in Kg.
ML-005080-D2	500	1.350x600	2.000	800	800	80	19	0,48	180
ML-005080-D2	500	1.350x800	2.000	1.050	800	80	19	0,48	190
ML-005080-D2	500	1.350x1.050	2.000	1.400	800	80	19	0,48	210
ML-010080-D2	1.000	1.350x600	2.000	800	800	80	19	0,72	185
ML-010080-D2	1.000	1.350x800	2.000	1.050	800	80	19	0,72	200
ML-010080-D2	1.000	1.350x1.050	2.000	1.400	800	80	19	0,72	220
ML-020080-D2	2.000	1.400x800	2.100	1.050	800	95	30	0,72	270
ML-020080-D2	2.000	1.400x1.200	2.100	1.500	800	95	30	0,72	300
MLU-005080-D2	500	1.350x1.050	1.350	1.050	800	80	19	0,48	185
MLU-010080-D2	1.000	1.350x1.050	1.350	1.050	800	80	19	0,72	200
MLU-020080-D2	2.000	1.400x1.200	1.400	1.200	800	95	30	0,72	300
MLU-015080-D2	1.500	1.380x1.590			800	85	14	0,72	530
MLU-015080-D2/B	1.500	1.380x1.790			800	85	14	0,72	530

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HIGH-LIFT TABLES Model

Single movement scissor tables have a limited stroke. In most cases, the maximum stroke is equal to the platform length divided by 1.5.

Higher strokes are achieved by designing the lift table with a multiple set of vertically mounted scissors.

High-lift tables can be used as work platforms, pallet loaders, elevators, disabled persons lifts and pallet stackers.

Angel Mir® standard high lift tables have the following characteristics:

- Load capacity of up to 4,000 kg.
- Lift stroke 800-4300 mm.
- For models and sizes see table below.

Customized solutions can be provided.



MODEL	CAPACITY in Kg.	PLATFORM (L x A)	LENGTH MAX. (mm.)	WIDTH MAX. (mm.)	LIFT (mm.)	FOLDING (mm.)	TIME lift (sec)	ENGINE (Kw)	WEIGHT in Kg.
M0-004080-D12H	400	800x600	1.150	850	800	200	19	0,55	120
M2-005180-D12H	500	1.350x1.000	1.700	1.200	1.800	350	19	1,43	450
M2-005320-D22H	500	2.250x1.000	2.600	1.500	3.200	400	37	2,2	650
M2-010180-D22H	1.000	1.350x1.000	1.700	1.500	1.800	350	21	2,2	450
M2-010200-D22H	1.000	1.500x1.000	1.850	1.500	2.000	350	21	2,2	490
M2-010250-D22H	1.000	1.800x1.000	2.150	1.500	2.500	350	30	2,2	540
M3-010320-D22H	1.000	2.250x1.000	2.600	1.500	3.200	500	43	2,2	870
M2-010330-D23H	1.000	1.650x1.200	1.950	1.700	3.300	530	34	2,2	665
M2-015180-D22H	1.500	1.350x1.000	1.600	1.500	1.800	400	21	2,2	450
M3-020200-D22H	2.000	1.500x1.000	1.900	1.500	2.000	500	25	2,2	645
M3-020200-D22H	2.000	1.500x1.800	1.900	2.000	2.000	500	25	2,2	900
M3-020320-D22H	2.000	2.250x1.000	2.650	1.500	3.200	530	40	4,6	870
M3-020380-D23H	2.000	2.250x1.200	2.650	1.700	3.800	800	41	4,6	1.150
M3-020380-D23HB	2.000	2.250x1.800	2.650	2.000	3.800	800	41	4,6	1.250
M3-020430-D22H	2.000	3.000x1.200	3.300	1.700	1.700	650	43	4,6	1.140
M3,5-025320-D22H	2.000	2.500x1.200	2.900	1.700	1.700	530	40	4,6	1.350
M4-030300-D22H	3.000	2.500x1.300	2.900	1.800	1.800	700	33	4,6	1.580
M4-040300-D22H	4.000	2.500x1.500	2.900	3.000	3.000	700	46	4,6	1.650

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TWIN SCISSOR LIFT Model

The **twin scissor lift table** by **Angel Mir®** comes with two or more sets of scissors, placed in line to reach the required platform length, as well as the desired load capacity.

The lift stroke of the set of scissors is controlled by synchronization in order to carry out a movement which is parallel to that of lifting.

Features:

- Load capacity up to 8,000 kg.
- Lift stroke 900-2000 mm.
- For models and sizes see table below.

Customized solutions can be provided.



MODEL	CAPACITY in Kg.	PLATFORM (L x A)	LENGTH MAX. (mm.)	WIDTH MAX. (mm.)	LIFT (mm.)	FOLDING (mm.)	TIME lift (sec)	ENGINE (Kw)	WEIGHT in Kg.
M2-020090-D4/2L	2.000	2.700x1.000	4.500	1.500	900	240	18	2,2	610
M2-020125-D4/2L	2.000	3.600x1.000	5.600	1.500	1.250	260	28	2,2	740
M2-020125-D4/2L	2.000	4.000x2.000	5.600	2.500	1.250	250	27	2,2	1.300
M2-020160-D4/2L	2.000	4.500x1.000	6.000	1.500	1.600	300	29	2,2	875
M2-020160-D4/2L	2.000	4.500x1.500	6.000	2.000	1.600	300	29	2,2	1.080
M3-020200-D4/2L	2.000	6.000x1.500	7.500	2.000	2.000	300	45	4,6	1.800
M3-020200-D4/2LB	2.000	6.000x2.000	7.500	2.200	2.000	300	45	4,6	2.150
M3-040110-D4/2L	4.000	3.600x1.000	5.600	1.500	1.100	300	33	2,2	980
M3-040130-D4/2L	4.000	4.000x1.200	6.200	1.700	1.300	340	29	4,6	1.100
M3-040160-D4/2L	4.000	4.500x1.200	6.800	1.700	1.600	340	34	4,6	1.200
M3-040160-D4/2LB	4.000	4.500x2.000	6.800	2.500	1.600	340	34	4,6	1.600
M3-040200-D4/2L	4.000	6.000x1.500	7.500	2.000	2.000	340	45	4,6	1.800
M3,5-040200-D4/2L	4.000	6.000x2.000	7.500	2.200	2.000	340	45	4,6	2.270

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ERGOMIR Model

The manual rotating tables **Ergomir** from **Angel Mir®** automatically adjust to the height of pallet loads while boxes are added or removed, avoiding workers flexing, reaching and stretching. By maintaining loads at a constant height, workers can build and decompose pallet loads in a quick and easy manner, while at the same time making minimal effort and avoiding risk of injuries. A built-in rotating platform allows operators to rotate the load and to stay in the same place during the loading and unloading process.

The fastest, easiest and safest way to load and unload pallets.

Features:

- Heavy-duty springs automatically adjust themselves as boxes are added or removed and hold loads at a comfortable working height.
- Low friction rotating platform.
- Extremely stable base – does not require be fixed.
- Integral forking holes to make easier the relocation.
- Multiple configurations of springs for loads of 180 kg to 2040 kg.
- Spring replacement (if necessary) are quick and easy – no tools required.



MODELS	CAPACITIES	COMPRESSED HEIGHT	EXTENDED HEIGHT	TURNTABLE DIAMETER	BASE DIMENSION *	SHIPPING WEIGHT
Ergomir	180-2040 kg.	241 mm.	711 mm.	1.108 mm.	915 x 915 mm.	186 kg.

* Includes fork pockets.

CAR LIFT TABLES Model

Angel Mir® vehicle lifts can be used for transporting vehicles from one floor of a building to another, for example, in sales facilities, showrooms and car parks.

This vehicle lift was designed for transporting vehicles, not people.

It can only be used for equally distributed loads and not as a conventional lift platform.

Special training is required for operation and use of these lifts. Installation should be carried out in accordance with current safety regulations.

Features:

- Load capacity up to 2,500 kg.
- Lift stroke up to 7,000 mm.
- For models and sizes see table below.
- Can be customized by weight and size.



Safety rails are standard.



MODEL	CAPACITY in Kg.	PLATFORM (L x A)	LENGTH (mm.)	WIDTH MAX. (mm.)	LIFT (mm.)	FOLDING (mm.)	TIME lift (sec.)	ENGINE (Kw)	WEIGHT in Kg.
M4,5-020350-D2	2.000	5.000x2.500	5.000	2.500	3.500	450	46	4,6	2.600
M5-025400-D2	2.500	6.000x2.500	6.000	2.500	4.000	650	80	4,6	3.500
M6-025450-D2	2.500	6.100x2.500	6.100	2.500	4.500	650	80	4,6	3.500
M5-020500-D2/2H	2.000	5.000x2.500	5.000	2.500	5.000	1.200	65	4,6	4.500

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LOADING DOCK TABLES Model

The load platform compensates for the difference in height between the loading/unloading vehicle and the loading bay.

It has been mainly designed for use outdoors in difficult weather conditions.

Loading bay lift tables by **Angel Mir®** are designed and equipped to withstand load and weather condition difficulties, which usually occurs when vehicles cross the lift platform.

Features:

- Load capacity up to 10,000 kg.
- Lift stroke 1,600 - 2,000 mm.
- For models and sizes see table below.



MODEL	CAPACITY in Kg.	PLATFORM (L X A)	LENGTH MAX. (mm.)	WIDTH MAX. (mm.)	LIFT (mm.)	FOLDING (mm.)	ENGINE (Kw)	WEIGHT in Kg.
T1-M1-C2	2.000	2.000 x 1.500	2.300	1.950	1.300	305	1,10	950
T1-M2-C2	2.000	2.000 x 2.000	2.300	2.350	1.300	305	1,10	1.100
T2-M3-C2	2.000	2.500 x 1.500	2.800	1.950	1.600	305	2,20	1.000
T2-M4-C2	2.000	2.500 x 2.000	2.800	2.350	1.600	305	2,20	1.170
T2-M5-C2	2.000	2.500 x 2.400	2.800	2.500	1.600	305	2,20	1.320
T2-M6-C2	2.000	3.000 x 2.000	3.000	2.350	1.600	305	2,20	1.300
T2-M7-C2	2.000	3.000 x 2.400	3.000	2.500	1.600	305	2,20	1.575
T3-M8-C4	4.000	2.000 x 1.500	2.300	1.950	1.300	305	2,20	1.000
T3-M9-C4	4.000	2.000 x 2.000	2.300	2.350	1.300	305	2,20	1.150
T4-M10-C4	4.000	2.500 x 1.500	2.800	1.950	1.600	450	2,20	1.300
T4-M11-C4	4.000	2.500 x 2.000	2.800	2.350	1.600	450	2,20	1.500
T4-M12-C4	4.000	2.500 x 2.400	2.800	2.500	1.600	450	2,20	1.700
T4-M13-C4	4.000	3.000 x 2.000	3.000	2.350	1.600	450	2,20	1.650
T4-M14-C4	4.000	3.000 x 2.400	3.000	2.500	1.600	450	2,20	1.830
T5-M15-C6	6.000	2.250 x 1.500	2.500	1.950	1.300	450	3,00	1.300
T5-M16-C6	6.000	2.250 x 2.000	2.500	2.350	1.300	450	3,00	1.500
T6-M17-C6	6.000	2.500 x 1.500	3.000	1.950	1.600	450	4,00	1.400
T6-M18-C6	6.000	2.500 x 2.000	3.000	2.350	1.600	450	4,00	1.600
T6-M19-C6	6.000	2.500 x 2.400	3.000	2.500	1.600	450	4,00	1.600
T6-M20-C6	6.000	3.000 x 2.000	3.000	2.350	1.600	450	4,00	1.750
T6-M21-C6	6.000	3.000 x 2.400	3.000	2.500	1.600	450	4,00	1.930

Note: Please consult for other loads (over or low), dimensions, fold height and lift stroke.

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DOCKLIFT Model

Docklift is a combined system, comprised of a lifting table and a levelling ramp, for use in a loading dock. It allows for the collective or independent use of each separate element, offering great flexibility when loading or unloading goods.

Working as a **levelling ramp**, it compensates the difference in height between the loading dock and the vehicle. With its nail spread out and resting on the truck, it can stand up to a maximum weight of 6,000 kg, acting as the perfect link between the vehicle and the warehouse. Loading and unloading operations are more smoothly carried out, significantly reducing risks for either the goods or the handling operators.

Working as a **lifting table**, it can be used as a platform to lift up and lower down maintenance vehicles in areas with different surface levels or decks; or to lift and lower vehicles onto heights impossible to reach with the levelling ramp. Thus, you can load this equipment with forklifts or pallet jacks (either electric or manual), flexibly adjusting its capacities to your multiple needs and circumstances.

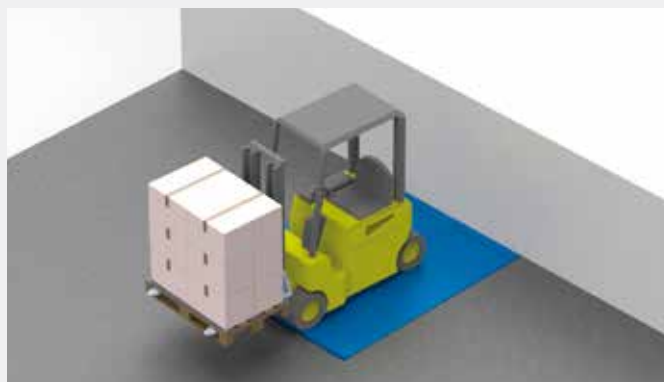
Optional: fold down lip.



For trucks.



For loading/unloading medium-height trucks.



For repairing or raising/lowering fork-lift trucks.



Docklift with 3-part lip for transit vans.

MODEL	LP	LX	LE	LT
DOCKLIFT 20.23	2.000	2.300	2.700	2.500
DOCKLIFT 20.26	2.000	2.600	3.000	2.800
DOCKLIFT 20.28	2.000	2.800	3.200	3.000

OPTIONAL FITTINGS

In addition to the general standard fittings, **Angel Mir®** lift tables can be supplied with additional features to simplify handling and enhance safety and versatility.

1 Trolley frame

Places the table in a frame with wheels to provide mobility and stability to your goods. You can opt for two fixed and two castored wheels or two wheels and a front carriage



1

2

3

2 Boggie frame

The easiest way to overcome problems of uneven ground in rail transport is to provide the table with flanged wheels. The base can be either a non propelled carriage or can be fitted with a self propulsion drive unit.



4

5

6

3 Roll-off guard

Prevents goods placed on the platform from rolling off the table; used mainly in loading docks and similar applications.

4 Loading flap

An effective way to bridge the gap between the lifting table and a loading dock.



7

8

9

5 Circular turn table

Circular turntable fitted on the top surface of a scissor lift.

6 Rectangular turn table

Rectangular surface bolted to the basic scissor lift platform. The unit is gapped and electro-interlocked to the lift travel to reduce the risk of trapping an operator.

7 Mechanical shotbolts

For installations where the platform is flush with the floor or ground in the raised position, the table can be equipped with heavy-duty bolts capable of withstanding severe loading.



10

11

12

8 Pallet truck frame

Allows the table to be moved easily with the aid of a forklift or hand pallet truck.

9 Side barrier rails

1,100 mm. high, complete with a mid-rail and 150 mm high toe kick-plate guards for personnel protection up to a maximum lift height of 2 m.



13

14

15

10 Goal Post barrier

Forms an upper level barrier. In fully raised position the goal post is sized to allow for a 2 m clear headroom for personnel.

11 Self latching Hinged Swing gate

The door has a self locking system which provides a safety zone. Maximum elevation between levels is 2 m.

12 Raise and tilt platform

Hydraulic actuated hinged tilt platform. Complete with safety edge.



16

13 Stack Height control system

A photocell. Transmitter/reflector supplied, loose or post mounted for remote siting to suit the application.

14 Roller bed

A roller bed or other conveyor top (e.g. chain or belt) is often used in multilevel conveyor systems.

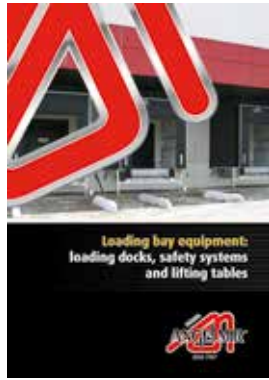
15/16 Bellows/chain mesh/roller Curtain

Protects the table from dust and dirt in exposed environments. Bellows can also be fitted for weather-proofing of outdoor lifting tables. Chain mesh can be fitted to the underside of lift platform which prevents access to scissor mechanism and other working parts of the machine.

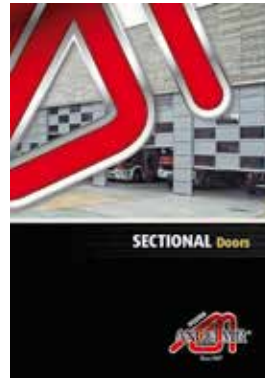
For further information, please consult our detailed product catalogues:



General Catalogue
Industrial doors and loading bay equipment



Loading bay equipment:
loading docks, safety systems and lifting tables



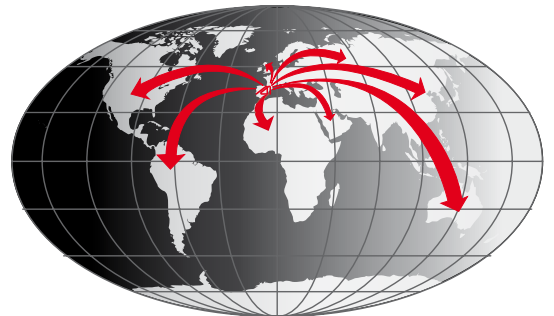
Sectional Doors



Speed Doors

Industrial doors and loading bay equipment

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