

Tilt/Lift

The MBL Tilt & Lift System is a universal and compact tilting and lifting unit. It supports 200–230 kg load with a lifetime guarantee up to 20.000 cycles (higher load – less actuator cycles).

The built-in height ranges from 79 – 88 mm depending on the product line and used interface, with a lifting range of 300 mm and a tilting angle up to 50°. Our standard configuration realizes 300 mm lift and several tilt angles of 30°, 45° and 50°.

The unit includes standard build in actuators equipped with internal limit switches. As an option they can be configured with adjustable external inhibit switch and/or potentiometer feedback for positioning or Hall sensor. It is also possible to use different type cable tracks and rear covers.



Lift

The MBL Lift System is a universal and compact lifting unit. It has a load range of 200 kg – 230 kg with a lifetime guarantee up to 20.000 cycles (higher load – less actuator cycles).

The lift has a built-in height of 84 mm and our standard configuration realizes 300 mm lift.

The unit includes a standard build in actuator equipped with internal limit switches. As an option they can be configured with adjustable external inhibit switch and/or potentiometer feedback for positioning or Hall sensor. It is also possible to use different type cable tracks and rear covers.



Tilt

The MBL Tilt System is a universal and compact tilting unit with configurable tilting angles from 30° to 50°. It supports up to 200–260 kg load with a lifetime guarantee up to 20.000 cycles (higher load – less actuator cycles).

The built-in height is 76 mm and the standard configuration realizes tilt angles of 30°, 45° and 50°.

The system includes a standard built-in actuator equipped with internal limit switches. As an option they can be configured with adjustable external inhibit switch and/or potentiometer feedback for positioning or Hall sensor.



Our universal and compact Tilt/Lift, Lift, Tilt and Stand Up systems have optimal measurements and specifications to be built into powered wheelchairs. The systems comply with the market's standard control systems.



Stand UP (prototype)

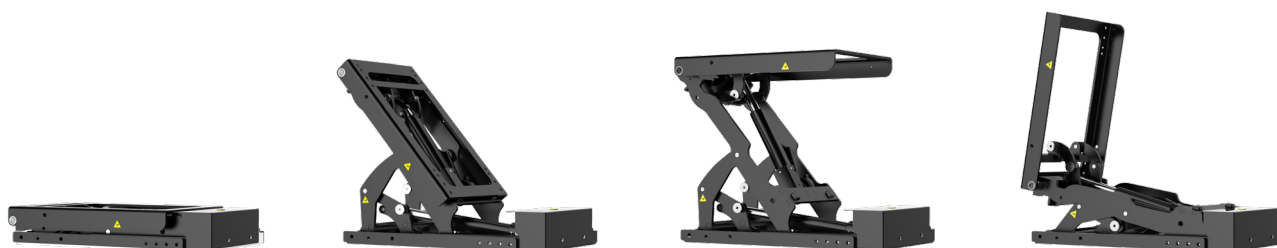
The MBL Stand UP System is a universal and compact unit with capabilities of tilting, lifting and standing up functions.

It supports 200 kg load with a lifetime guarantee up to 20.000 cycles (higher load – less actuator cycles).

The built-in height is 88 mm with a lifting range up to 345 mm, tilting angle of 50° and verticalization up to 90°.

The unit includes standard build in actuators equipped with internal limit switches with potentiometer feedback for positioning. As an option they can be configured with adjustable external inhibit switch or Hall sensor.

The compact design in combination with multiple functions make this Stand UP device an alternative for TILT and TILT & LIFT systems with great advantage of verticalization.



Tilt PRO

The MBL Tilt PRO System is a universal and compact tilting unit with configurable tilting angles from 30° to 50°.

It supports up to 200-230 kg load with a lifetime guarantee up to 20.000 cycles (higher load – less actuator cycles).

The built-in height is 76 mm and the standard configuration realizes tilt angles of 30° and 50°.

The system includes a standard built-in actuator equipped with internal limit switches. As an option they can be configured with adjustable external inhibit switch or potentiometer feedback for positioning and/or Hall sensor.

The goals when designing the MBL Tilt PRO was to make it: ECO friendly, Lighter, easier to manufacture and even more reliable.

When comparing to current units, this updated design can be characterized by material usage reduction by 25%. Furthermore, this new approach to product design let us improve system reliability with significant improvement of assembly efficiency.

