LID Table – Technical data



Figure 1: Total view of the LID table – operator's side

1. Technical Data

Dimensions:

Total:	1500 mm x 700 mm x 2000 mm (width x depth x height)
Lifting height:	500 mm
Self-weight:	ca. 120 kg
Material:	Aluminum profile (black coating)

Rotating unit (Octagon)

Diameter:	375 mm
Grooves:	



Movable x-y unit

X-Axis:	±200 mm
Y-Axis:	±150 mm

Measuring object

Maximum size:	1000 mm (free space between gallows frame)
Maximum height:	600 mm
Maximum weight:	50 kg (in centre), 15 kg (off centre)

Features:

Camera holding & housing Mounting plate Lifting function Rotating unit Movable x-y unit Holding for 19" units (power supply, PC); height 15 HE Measuring wall lasers Measuring object laser (cross laser) Monitor, keyboard & Mouse holder

2. Description of the features

2.1. Base frame

The base frame consists of black anodized aluminum profiles (40 mm x 80 mm or 80 mm x 80 mm also). There are 6 height-adjustable heavy-duty feet for the high-precision leveling of the table. It's possible to fix the frame finally with stable angles to the floor.

2.2. Camera holding

The camera is securely mounted in an extra camera housing, called Camera Box. The camera housing is separately positioned from the LID table.

2.3. Gallows (optionally)

The gallows is removable when he is not needed. It is useful for cable routing to the measuring object in reference point without disturbing the moving and rotating area. The LID table with the gallows has a height about 2m, without the gallows approximately 1.50m.

2.4. Mounting plate

The LID table is equipped with a groove plate for mounting the measuring objects.



Figure 2: plate with grooves for mounting the measuring object

2.5. Lifting function

The LID table has a motorized height adjustment. For this purpose up & down buttons are integrated in the operation panel on the backside of the camera housing (see Figure 3).

2.6. Rotating device

Additional to the height adjustment, there is the possibility to turn the table top. There is an AddOn for the software, which allows you to conveniently control the rotating.

2.7. XY moving unit

Additionally the LID-table can be equipped with an optionally available x-y-moving unit. You can move your measuring object approximately ± 200 mm in X-direction and ± 150 mm in Y-direction to adjust the centre of the measured device to the optical axis.

2.8. Holding for 19" units

A 19 "rack is installed where you can install your computer, power supplies or other components.

2.9. Measuring wall lasers

Each LID table has a vertical and horizontal laser, which are used to visually represent the centre of the measuring wall. The lasers are fixed in Camera Box and can be switched on and off via remote switch.

A second horizontal laser is optionally available, especially for headlamp applications. It marks the 1% pre-tilt (-0.57 °) on the measuring wall for example.

2.10. Measuring object laser

Additionally, the lifting table is equipped with a measuring object laser. It indicate the position of the reference point on the LID-table, which should coincide with the light emitting point of the measuring object.



Figure 3: Operation panel on the backside of camera housing