

item

SystemMobile S41T
User guide

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Symbols, safety



Important information



Observe packaging instructions



Observe directions for disposal



Note! Failure to observe this safety instruction can result in material damage



Warning! Failure to observe this safety instruction is likely to result in material damage, serious injury or death



Danger! Failure to observe this safety instruction can result in material damage, serious injury or death



Caution! Failure to observe this safety instruction can result in material damage or injury

General safety information

The details and information in the user guide are provided solely for the purpose of describing the product and its assembly. This information does not discharge the user from the obligation to carry out his own assessments and checks. It is important to bear in mind that our products are subject to a natural process of wear and ageing.

These notes contain important information that will enable you to use the product safely and appropriately. When sold, rented out or otherwise passed on to another party, this product must be handed over with the user guide.

When installing, operating and maintaining SystemMobile S41T, it is important to ensure that all moving elements are secured so that they cannot be moved.

Moving parts can cause serious injury! You must therefore read and follow the safety instructions set out below.

All work on and with SystemMobile S41T must be performed with “safety first” in mind. Do not place your hand near the moving parts of height-adjustable SystemMobile S41T when they are unlocked.

Observe the regulations pertaining to accident prevention and environmental protection that apply in the country and place of work where the product is being used.

Use only item products that are in perfect working order. Failure to use original spare parts will invalidate the product warranty!

Check the product for obvious defects. Use the product only within the performance range described in the technical data.

Ensure that all the safety equipment associated with the product is present, properly installed and in full working order. Do not alter the position of safety equipment, circumvent it or render it ineffective.

1. During transportation

Observe the transport instructions on the packaging. Store the product in its original packaging until installation and protect it from moisture and damage. Ensure that moving parts are fixed during transport and cannot cause any damage. Suspended loads can fall during transport if the load handling attachments are too weak or incorrectly attached, which can result in serious injury (including death).

- Keep clear of suspended loads
- Use lifting gear with sufficient load-bearing capacity (see delivery paperwork for product weight).
- Carefully secure lifting gear.
- Attach lifting gear to the product only at sufficiently stable points.
- Observe environmental regulations.

2. During installation

Avoid areas that pose slip, trip, fall and jamming hazards.

3. During commissioning

Allow the product to acclimatise for a few hours before starting to use it. Ensure that the completed machine satisfies internal company requirements. Only start using a product that has been installed in full.

4. During operation

Ensure that only persons who have been authorised by the operator have access to the immediate operating area of height-adjustable SystemMobile S41T. This also applies when the system is not in operation. It must not be possible to actuate moving parts unintentionally. Ensure that nobody can step below suspended loads and prevent access below the working surface of height-adjustable SystemMobile S41T. Height-adjustable SystemMobile S41T is not suitable for lifting people.

5. During cleaning

Close all openings with suitable protective equipment to ensure that cleaning agents cannot penetrate the system. Do not use aggressive cleaning substances. Do not use a high-pressure cleaner when cleaning the system.

6. During maintenance and servicing work

Carry out the prescribed maintenance work at the intervals stipulated in the user guide. Ensure that no cables, connections or components are detached or removed. Secure height-adjustable SystemMobile S41T to prevent uncontrolled movement.

7. During disposal

Dispose of the product in accordance with the national and international regulations that apply in your country.

Correct use

Height-adjustable SystemMobile S41T is a completed machine as defined in the Machinery Directive (2006/42/ EC). Height-adjustable SystemMobile S41T must be used only in accordance with the technical data and safety requirements set out in this document.

Height-adjustable SystemMobile S41T is a technical item of factory equipment and is not intended for private use. If major alterations are made to height-adjustable SystemMobile S41T, compliance with the Machinery Directive will need to be renewed and the documentation supplemented accordingly.

Height-adjustable SystemMobile S41T is a moving device for the manual raising and lowering of the tray and accessories.

Internal company requirements and the regulations that apply in the country where the product is being used must be observed. You must not make any design modifications to height-adjustable SystemMobile S41T yourself. We will assume no liability for any resulting damage or injury.

The Declaration of Conformity pursuant to Machinery Directive 2006/42/EC, Annex II, Part 1, Section A for completed machinery can be found on the relevant product page in our Online Shop.

You may only install, operate and maintain heightadjustable SystemMobile S41T if:

- You integrate height-adjustable SystemMobile S41T into its surroundings in a proper and safe manner. The operator is responsible for ensuring proper and safe integration,
- You have carefully read and understood the installation guide,
- You are appropriately qualified,
- You are mentally and physically capable of doing so,
- You are authorised to do so by your company,
- You are using only original equipment from the manufacturer.

Unsafe or inappropriate operation and the functional mobility of height-adjustable SystemMobile S41T pose a risk of serious injuries and contusions caused by crushing and cuts.

Improper use

Improper use is defined as any use of the product for purposes other than those authorised in the user guide and under the definition of correct use. We will assume no liability for any resulting damage or injury.

The SystemMobile S41T is not a climbing aid and is not suitable for transporting people.

Personnel qualifications

Assembly, commissioning, operation, disassembly and maintenance work (including servicing and care) require an adequate knowledge of mechanical engineering and an understanding of the relevant technical terminology. To ensure operational safety, these activities must therefore be carried out only by a qualified person or by personnel under the instruction and guidance of a qualified person. A qualified person is an individual who – by virtue of his or her specialist training, know-how, experience and knowledge of pertinent regulations – is able to assess the work that is assigned to him or her, identify potential hazards and put in place appropriate safety measures. A qualified person must comply with the applicable specialist regulations.

Safety instructions



DANGER! To avoid personal injury or damage to property, hold the safety instructions and descriptions of actions in these operating instructions.

- Keep the operating instructions in such a way that they are accessible to all users at all times.
- Observe the applicable safety regulations, accident prevention and environmental protection regulations of the country in which the product is used, in which the product is used.
- Only use the item product if it is in perfect technical condition.
- Observe all instructions on the product.
- Only use accessories and spare parts authorised by the manufacturer to prevent personal injury due to unsuitable spare parts.
- Hold the product for its intended use.
- The product may only be put into operation once it has been established that the SytemMobil S41T complies with the country-specific regulations and internal safety regulations.
- Due to the interaction of the product with the environment, risks may arise that can only be determined and minimised by the user, e.g:
 - Generated forces,
 - Generated movements,
 - etc.

Personal protective equipment

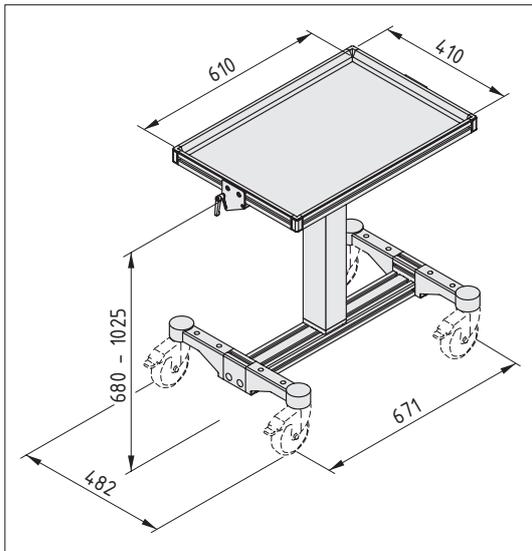
We recommend wearing safety shoes when working on and with the product!

Product description

The product is used in industrial applications.

Stepless height adjustment and mobility without an electric drive characterise the SystemMobile S41T. Customised equipment allows the transport trolleys to be adapted to all work processes, making production faster and more flexible. SystemMobiles are particularly compact. The all-round edge of the tray ensures a secure holder. This means that standard storage crates as well as individual parts can be transported without any problems. The infinitely variable tilt angle adjustment facilitates removal. Four swivel rollers with double brake guarantee both easy manoeuvrability and a stable stand.

SystemMobiles can also be supplied in an ESD-safe version.

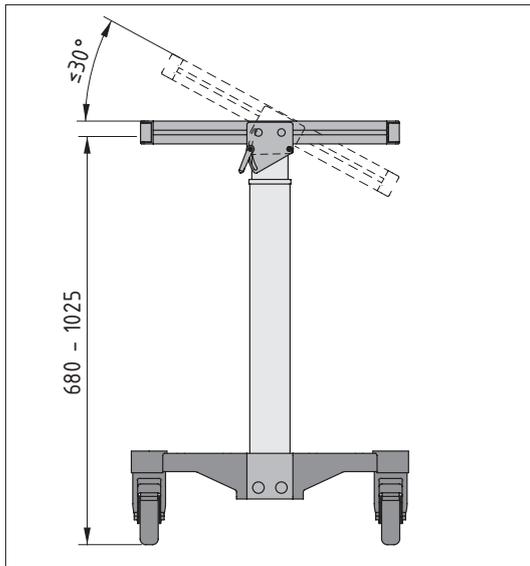


SystemMobile S41T, 0.0.651.68

Operating data

SystemMobile S41T:	0.0.651.68
Working height:	680 mm to 1025 mm
Vertical adjustment range:	345 mm
Empty weight:	21 kg
Angle adjustment range on tray:	≤ 30°
Max. load-carrying capacity of tray:	30 kg

The gas spring generates a force of 200 N to help lift the tray.



The SystemMobile S41T is suitable for use in electrotechnically hazardous areas thanks to the selection and installation of appropriate components. Consultation with your item representative is recommended.

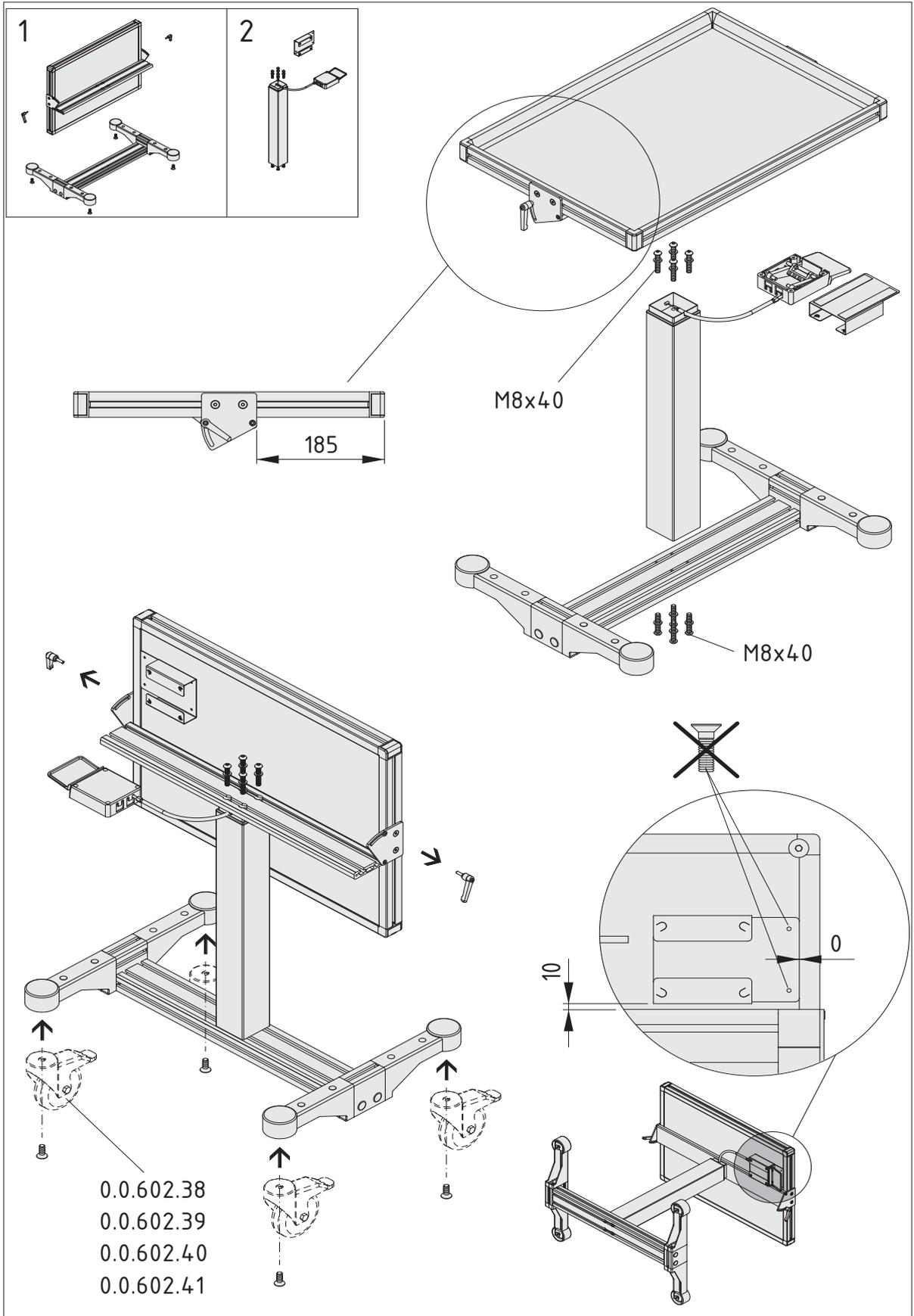
Environmental considerations:

- Operating temperature range -5°C to $+40^\circ\text{C}$
- Storage temperature -25°C to $+70^\circ\text{C}$
- Relative humidity 5% to 85%
- No infestation of mould growth and sponge and no damage from rodents or other animal pests.
- Do not install or use in close proximity to industrial plants that produce chemical emissions.
- Do not install or use near sources of sand or dust.
- Do not install or use in an area that is regularly exposed to high-energy surges such as those caused by presses or heavy machinery, for example.
- Resistant to many of the substances usually encountered in the production area, such as water, mineral oil, grease and detergents. In case of doubt regarding resistance to certain chemicals such as test oil, alloyed oils, aggressive cleaning substances, solvents or brake fluid, we advise that you consult your specialist representative.
- Avoid long periods of contact with highly acidic or alkaline substances.
- Consult the manufacturer if using in very salty air.



NOTE! We recommend that you consult item Industrietechnik GmbH before using the product in critical areas.

Assembly and installation



For ergonomic reasons, we recommend mounting the device on a sufficiently large, secure table surface. Lifting the SystemMobile S41T by the table surface is not permitted.

Mount the lift module in the SystemMobile S41T plumb and level. This will ensure proper functioning and prevent premature wear.

When positioning the SystemMobile S41T, ensure that there is sufficient space to operate the manual trigger.

The column profiles (outer/inner) must not be machined or fitted with additional guides. Overfitting the guide leads to premature wear.



CAUTION!

- Injury due to tilting product on slopes!
- Falling product due to off-centre load!

Hazards caused by the customer's connecting constructions, e.g. pinch points, must be excluded by the customer. Observe the permissible loads. The product may only be subjected to pressure.

Commissioning and operation

Faults may occur as a result of incorrect commissioning and the service life may be shortened.



CAUTION!

- Do not load the telescopic column to the point that it starts to deflect
- When operating the height-adjustment mechanism, ensure no objects (e.g. furniture) or body parts become trapped!
- To prevent crushing and cuts, nearby objects should be kept at a minimum distance of 25 mm from the mechanism.
- Load values must not be exceeded.
- Safety instructions must be followed under all circumstances!
- Inappropriate use of the system can pose hazards to people and equipment.
- The product warranty is valid only when the product is used correctly.
- SystemMobile S41T has been stability tested to EN 1757-3 and its stability is ensured.
- A wheel guard to DIN EN 1757-3 is not installed in the system because the overall weight does not exceed 51kg. System-Mobile S41T must therefore be operated only by staff wearing safety footwear.
- Extreme scenarios such as steep inclines and collisions with obstacles at speeds in excess of the stipulations in DIN EN 1757-3 can increase the likelihood that SystemMobile S41T will tip over and cause damage and injuries.
- Height-adjustable SystemMobile S41T can be damaged if it comes into contact with obstacles, and its service life may be shortened.
- Keep the travel path under the tray clear.

Functions

The tray can be adjusted in two ways:



- 1** Pressing the black plastic lever releases the gas spring, allowing the user to raise or lower the tray to any point within the available travel range.
- 2** Turning and unlocking the clamp lever allows the user to adjust the incline on the tray from a horizontal position up to an angle of 30°.



CAUTION!

- The gas spring operates with a permanent pressure of 200N. When it is released, the user must control this 200N.
- Releasing the telescopic column in an uncontrolled manner when the tray is unloaded or lightly loaded can result in damage or injury.
- Releasing the telescopic column in an uncontrolled manner when the tray is unloaded or lightly loaded can generate forces that damage the items on the tray.
- The angle adjustment system of the tray is based on a clamp, which means the tray tilts with virtually no friction when the clamp lever is unlocked:
 - Transported items can slip, cause damage, be damaged themselves and cause injuries.
 - The weight of the tray can overload the operator, resulting in damage and injury.
- Adjust the angle of incline of the tray only when it is unloaded or lightly loaded.

Maintenance and serving work

This information does not discharge the user from the obligation to carry out his own assessments and checks. It is important to bear in mind that our products are subject to a natural process of wear and ageing.

When maintaining SystemMobile S41T, it is important to ensure that all moving elements are secured so that they cannot be moved. Moving parts can cause serious injury!

All work on and with SystemMobile S41T must be performed with “safety first” in mind. SystemMobile S41T is fundamentally a maintenance-free item of equipment.

Visual checks and functional tests should be performed regularly according to the level of utilisation and environmental conditions.

Due to its functional nature, a gas spring should be replaced when it stops functioning properly and is no longer able to complete its task.

Disposal



The materials used are environmentally friendly.

The product can be recycled or re-used (if necessary after refurbishment and the replacement of parts). The use of appropriate materials and easy dismantling ensure the product can be recycled.



Improper disposal can pollute the environment.

Please dispose of SystemMobile S41T in full accordance with the laws of your country.

Development and documentation

A process of continuous product development ensures that products from item Industrietechnik GmbH always exhibit a high standard of innovation. Consequently, there could be inconsistencies between this guide and the product you have acquired. item Industrietechnik GmbH can also not exclude the possibility of errors. We therefore ask for your understanding that the information, illustrations and descriptions provided here cannot constitute an entitlement to any claims. You can find the latest version of this user guide at www.item24.com.

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Made in Germany

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