

FOCUS ON

# VEHICLES AND MOBILITY

We help you improve the life  
of physically handicapped people.

[www.linak.com/techline](http://www.linak.com/techline)

## UNDERSTANDING YOUR NEEDS

Physical disability does not necessarily mean reduced activity, but simply reduced mobility. Disabled persons face many challenges when it comes to mobility, e.g. in their homes, in the office, in the shopping mall, in the cinema or in their cars. It is an everyday occurrence. However, with the technological development, a wide range of possible aids are available for disabled persons today. Aids that increase mobility.

LINAK has many years of experience as a sub-supplier within this business and knows what it takes to supply reliable actuator systems that put self reliance, people's safety, and quality of life first.



Choose LINAK for...

## A Knowledgeable Partnership

Multilevel cooperation with our customers is extremely important, for the benefit of both LINAK and the customer. Partnership is the driving force behind R&D, aftersales, logistics, manufacturing and marketing.



## **Fittings for cars**

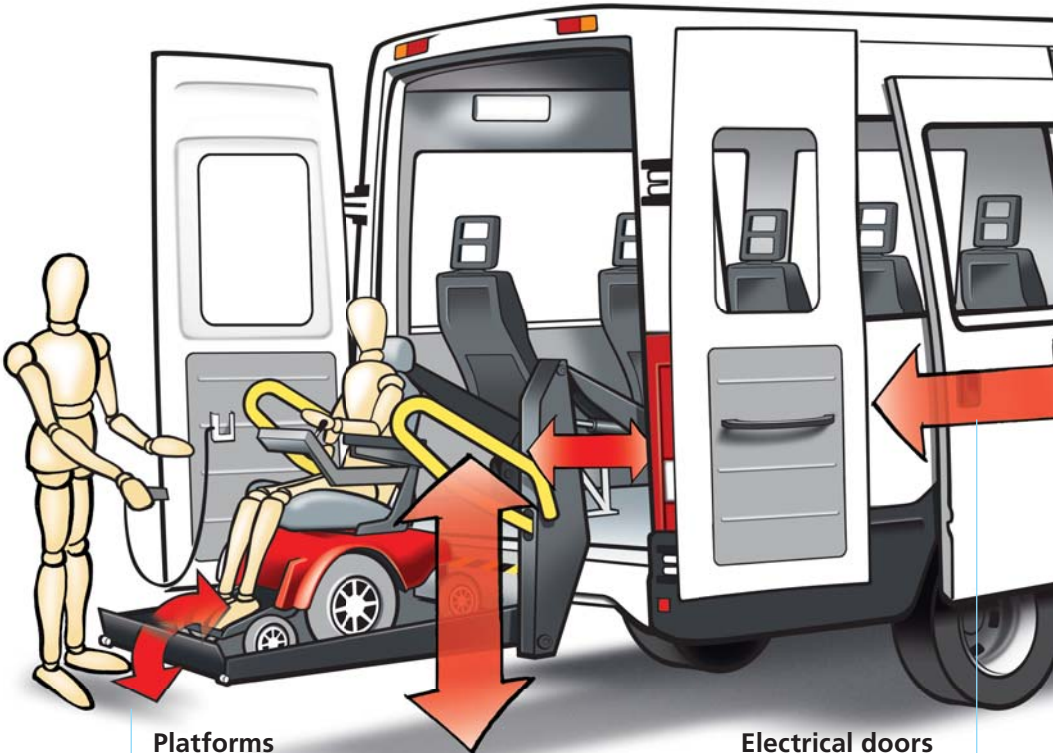
As an example, LINAK can provide a wide range of low voltage actuators for all kinds of movement in car fittings for disabled persons. So why is LINAK the perfect partner for this exact application?

On the hardware side because LINAK actuators:

- Are very easy to install and fit immediately to the electrical system of the vehicle
- Offer a high degree of safety. Several of our actuators can be supplied with extra safety features
- Lift up to 1000 kg fast and steadily
- Are easy and fast to operate by means of hand controls, remote controls or switches
- Are designed to operate under harsh and rugged conditions with vibrations etc.
- Are maintenance free products
- Offer a high degree of flexibility
- Offer a good price/performance ratio compared to hydraulics



# EXAMPLES OF WHAT LINAK ACTUATORS DO FOR HANDICAP VEHICLES



## Platforms

Safe and steady operation of rear mounted platform lifts for wheelchairs etc.

## Electrical doors

Remote controlled sliding doors

Choose LINAK for...

## Safety

LINAK products are tested and approved according to the highest standards. At the end of the day, safety is what really matters to the end-user.



### Support

Adjustment of support railing for walking-impaired persons



### Steps

Automatic steps or foot panels for easy access and exit

### Flexibility improves comfort

Tuning in the position of the steering wheel position

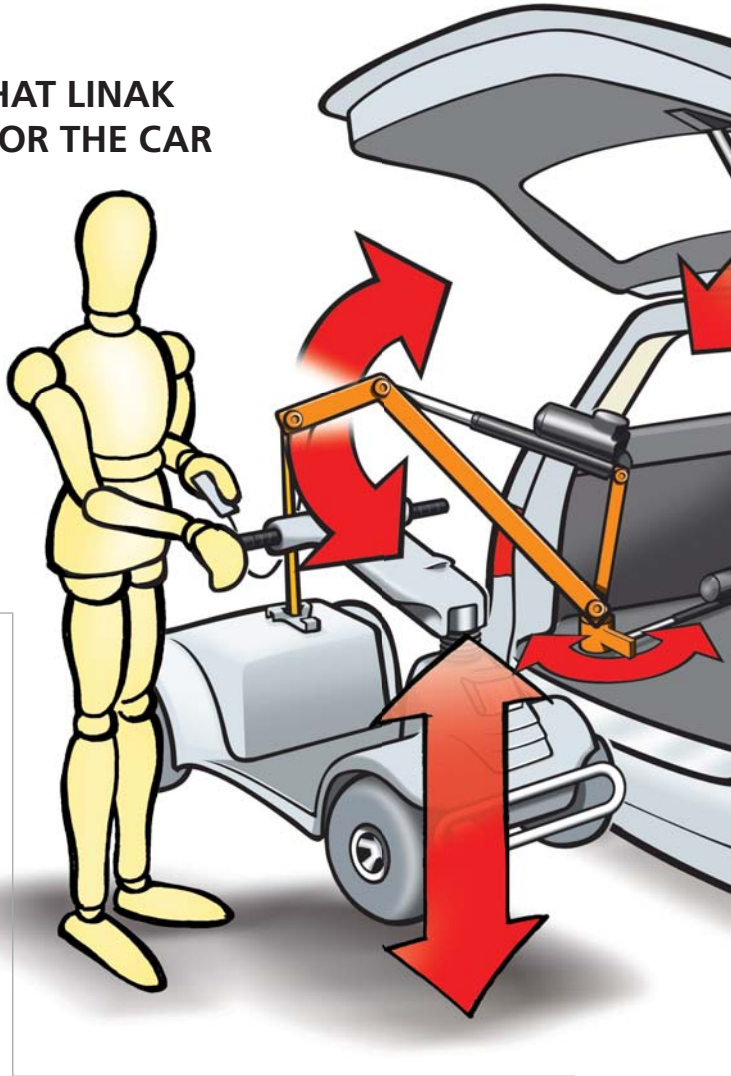
Retractable gearshift for easy access to the driver's area



Adjustment of the driver's seat



## EXAMPLES OF WHAT LINAK ACTUATORS DO FOR THE CAR



### Lifts

Electric lifts designed for easy loading of wheelchairs or scooters into boots of vehicles. A lift like this can increase the independency of the user and make traveling easy.

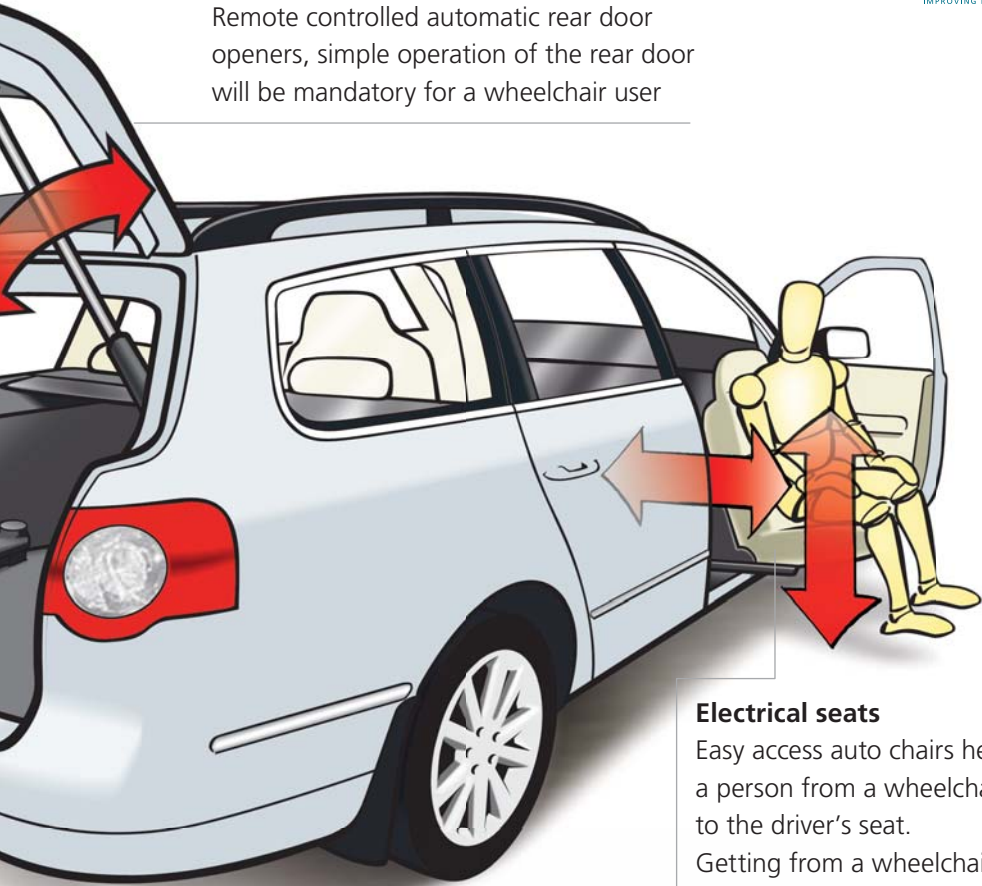
## Choose LINAK for... Global Presence

LINAK has a well-developed sales and service organisation in Europe, America, Asia and Australia. Therefore, we can assist you and your customers locally, under the global sales concept idea: Be global, act local.



### Rear door openers

Remote controlled automatic rear door openers, simple operation of the rear door will be mandatory for a wheelchair user



### Electrical seats

Easy access auto chairs help a person from a wheelchair to the driver's seat. Getting from a wheelchair to the driver's seat seems like climbing the Himalayas to disabled people; electrically turntable seats will make the climb a lot easier.

# ACTUATORS FOR VEHICLES AND MOBILITY

## RELIABLE AND TOUGH

- Max thrust up to 10,000 N
- Max speed up to 160 mm/sec
- Standard stroke 100-999 mm
- Heavy-duty aluminum housing for harsh conditions
- Protection class IP66 / IP69K
- Integrated brake, high self-locking ability
- Voltage 12, 24 or 36 V DC
- Hall sensors or potentiometer for relative or absolute feedback
- End stops: slip clutch or built-in limit switches
- Solid metal construction
- Hand crank for manual operation
- Salt and chemical tested
- High pressure cleaning-resistant

**The LA36 actuator is our most solid and powerful actuator designed to operate under extreme conditions. A very strong alternative to hydraulic solutions and ideal for agriculture applications.**



LA36

Choose LINAK for...  
**Robust and powerful**

LINAK products are reliable products, made to last! High quality is the trademark of LINAK, and an element of the highest importance to us.





## FLEXIBLE AND POWERFUL

- Max thrust up to 6,000 N in push and up to 4,000 N in pull
- Heavy-duty aluminium housing for harsh conditions
- Protection class IP66 dynamic, IP69K static
- Stroke up to 600 mm
- Easy to use interface – with integrated power electronics for direct connection to control system
- Potential free limit switches as an option
- Hall sensors or potentiometer for relative or absolute feedback, regardless of the stroke length.
- Built-in limit switches and brake
- Voltage 12 or 24 V DC

**The LA35 actuator is a new member of the TECHLINE® family. It is characterised by its robust design allowing the actuators to be used in harsh and extreme conditions. The LA35 actuator is designed to meet the challenge, based on the philosophy that it must be able to operate on off-highway equipment such as agriculture, forestry and construction machines.**



LA35

# ACTUATORS FOR VEHICLES AND MOBILITY

## LIGHT AND COMPACT

LA12



- Max thrust: 750 N
- Max speed: 50 mm/sec
- Standard stroke: 40-130 mm
- High quality reinforced plastic housing protects motor and gear
- Built-in limit switches and EOP
- Voltage 12-24 V
- Protection class IP51 or IP66

## POWERFUL

LA28



- Max thrust up to: 3,500 N
- Max speed: 46 mm/sec
- Standard stroke: 100-600 mm
- High quality reinforced plastic housing protects motor and gear
- Voltage 12 or 24 V DC
- Protection class IP51 or IP66

Choose LINAK for...

## Innovation

Innovation is the keyword to the success of LINAK. Today LINAK is the company within manufacturing of linear actuator systems to bring most new products to the market and to hold most technology-based patents. Therefore, we can always offer the newest technology, giving our customers a competitive edge.



## RUGGED

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LA30

- Max thrust up to: 6,000 N
- Max speed up to: 65 mm/sec
- Standard stroke: 50-600 mm
- Stainless steel piston rod
- Protection class IP66
- Potentiometer for positioning
- Elegant and compact construction with small installation dimensions
- Safety nut

## VERSATILE

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LA31

- Max thrust up to: 6,000 N push and 4,000 N pull
- Max speed up to: 33 mm/sec
- Standard stroke 100-300 mm
- Built-in limit switches
- Protection class IP51, IP54 or IP66
- High quality reinforced plastic housing protects motor and gear
- Voltage 12 or 24 V DC

# ACCESSORIES

## COMPLETE CONTROL



### MOTOR CONTROLLER

- Variable power supply 12-36 V DC
- Overload protection - adjustable current limit 1-20 A
- Adjustable soft start and stop
- Several versions for different applications
- Integrated brake

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## EASY OPERATION



### ROCKER SWITCH

- For all actuators with limit switches
- Easy operation of actuators without use of further electronics
- IP66 for outdoor use
- Easy to install
- Tested with a LA36 12 V DC for 50,000 operations

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## DIGITAL RADIO CONTROL



### REMOTE CONTROL

- Remote control with up to 100 meter transmitting
- Dual channel receiver
- Several transmitters can be programmed for the same receiver
- Simple to use and install
- Dynamic codes ensure high security level
- Supply voltage 12 or 24 V

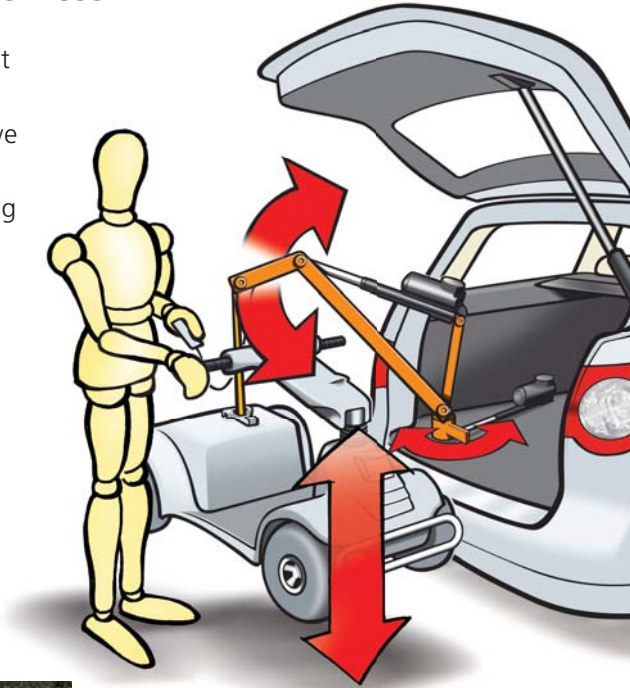
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(\*) "The specified product is a third party product that is produced by third party and distributed by LINAK as a supplement to LINAK's existing product range. It is the responsibility of the product user to determine the suitability of the products for a specific application. LINAK will at point of delivery replace/repair defective products covered by the warranty if promptly returned to LINAK."

## We understand your business

On the co-operational side, it must be easy for our customers to do business with LINAK. Therefore, we offer both standard components and customised solutions according to demand. In close cooperation with our sales engineering team you can prepare an optimal solution that fits perfectly to your task and demands.

Our LINAK TECHLINE division is committed to offering innovative solutions that help improve life for you and for the end-user of the system.



Choose LINAK for...

## Knowledge

At LINAK we focus on our core competence – production of actuator systems. But we do more than this. We want to understand our customer's business by focusing on the individual customer's needs, market intelligence and application know-how.



## OTHER CAPABILITIES

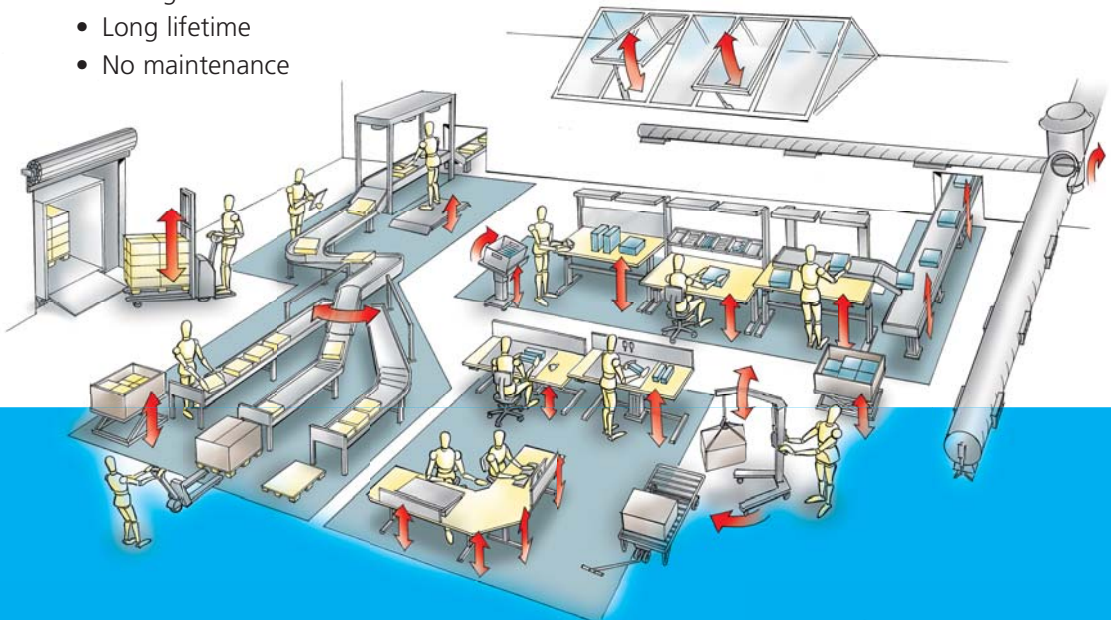
### TECHLINE® - FOR HARSH CONDITIONS

The TECHLINE® systems ease the load and make work easier. The remarkably wide product range offers something for any imaginable type of movement i.e. in industrial and agricultural machinery. With these actuators you can easily reach inaccessible places, open or close sun blinds and roof windows, regulate ventilators, close gates automatically – and save yourself exertion.

- For harsh conditions
- High speeds
- Strong forces
- Long lifetime
- No maintenance

### Stationary applications

Linear actuators make it possible to easily and economically adjust various functions in a wide number of stationary applications. LINAK TECHLINE® solutions can improve several facets of your company's working environment including ergonomic lifting, cost-effective automation, and ventilation. Our comprehensive product programme can be tailored to match your specific needs. LINAK TECHLINE® solutions allow you to adapt your workplace to your workers rather than the other way round.

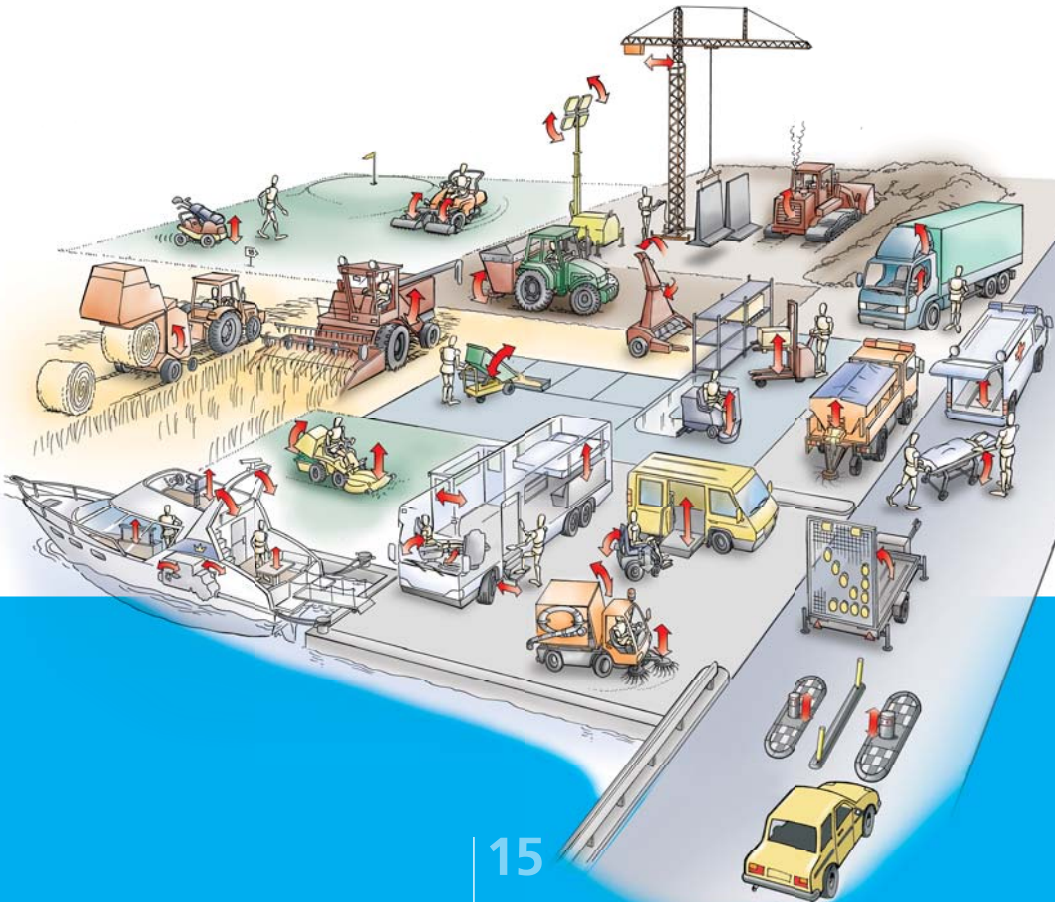




## Mobile applications

Linear actuators from LINAK can be used for thousands of different applications. We offer big advantages compared to other linear movements in mobile equipment. Please contact your local LINAK office who has extensive experience in integrating our products into different applications.

When LINAK develops and produces products, quality is the keyword for our employees. LINAK constantly strives to improve the quality and to reduce the risk of faults, which contributes to the fact that our customers experience LINAK as a supplier of high-quality products.



## LINEAR ACTUATOR TECHNOLOGY

**LINAK - many years of experience from the industry**

LINAK has over 25 years' experience as a supplier of linear movement for a broad selection of mobile and stationary applications in the industrial sector.

Application examples are automation of machine plants, adjustment of agricultural equipment, regulation of roof light windows, ventilation systems, combine harvesters, assembly lines, kettles, valves, and throttles. In brief, any purpose in the industry where a linear movement is required and where LINAK TECHLINE® can be used to facilitate working operations and maintenance.

**TERMS OF USE**

The user is responsible for determining the suitability of LINAK products for a specific application. LINAK takes great care in providing accurate and up-to-date information on its products. However, due to continuous development in order to improve its products, LINAK products are subject to frequent modifications and changes without prior notice. Therefore, LINAK cannot guarantee the correct and actual status of said information on its products. While LINAK uses its best efforts to fulfil orders, LINAK cannot, for the same reasons as mentioned above, guarantee the availability of any particular product. Therefore, LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or other written material drawn up by LINAK.

All sales are subject to the Standard Terms of Sale and Delivery for LINAK. For a copy hereof, please contact LINAK.

[www.linak.com/techline](http://www.linak.com/techline)



WE IMPROVE YOUR LIFE