

 acecranes.com



# Lifting Solutions

From Concept to Commissioning... and Beyond

“While everyone promises to deliver, be the one who delivers on promises”

- Oleg Vishnepolsky

## Our Company

From its inception in 2002 in Dubai, Ace Crane Systems has grown dynamically to achieve a significant presence in the overhead crane and hoist market throughout the Middle East.

Our core business is the manufacture, installation and after-care of Overhead Electric Travelling Cranes. Associate companies have been developed to provide high quality and cost-effective services to this industry. These include Ace Engineering and Ace Al Faris, both providing crane girder fabrication facilities, crane assembly and installation expertise. We also provide expertise in crane rail installations, renovation and replacement, to service a growing demand in Middle East for high quality rail installations in Ports, Steel Mills, Aluminium Smelters and Precast Concrete plants.

Our Saudi Arabia operations provides a complete service to the largest crane market in the Middle East from its base in Dammam, including consultation, manufacture, installation, and after –sales service for the complete Product range.

The success of Ace Crane Systems can be attributed to its management team which brings the benefits of long experience in their specific field both in the Middle East and throughout the World. Ace Crane Systems management have been in the overhead crane business for over 30 years and involved in major Projects on all five Continents.

Our strength is our customer – orientated focus. The repetitive business coming from our existing customers – clearly proving they are completely satisfied with the quality and service we provide. Our highly skilled and trained technicians enable us to provide products and services which surpass the most stringent quality standards laid down by many of our Clients.

Our customers include Dubai Aluminium, Qatar Steel, Emirates Aluminium, Alstom, General Electric, Dubai Electricity and Water, Saudi Electric Company and Drydocks World.

Our Group is certified in accordance with ISO 9001:2008







“We are what we repeatedly do. Excellence, therefore, is not an act but a habit.”

- Aristotle

## Our Strength

- Extensive experience in overhead crane markets worldwide and crane applications in all industries.
  - Innovative and constructive technical consultation and materials handling planning service available in all GCC countries.
  - Fast and efficient computerised system for preparation of crane specifications, drawings and quotations.
  - Widest range of standard cranes, jib cranes, hoists and light track systems available.
  - Design and engineering facility for special crane applications.
  - Dedicated crane manufacturing facilities with continuous improvement programme.
  - Highly trained after-sales service technicians.
  - Expert assistance for radio remote control systems, magnets and crane rail installations.
  - Project management and comprehensive document management system for large projects.
  - Full technical support from major European crane component suppliers.
  - Quality Management certified in accordance with ISO 9001 – 2008.
  - Friendly and customer-focused approach with most reputable Companies as proof of excellence.
- Ace Crane Systems have manufactured some of the largest and most complex cranes in the region to the complete satisfaction of the Clients.**



## Our Services

“A friendship funded on business is better than a business founded on friendship.”

– John D. Rockefeller

- ❖ **Technical Consultancy:** We offer professional assistance in determining the correct crane design, operating speeds, duty classification and control systems for optimum reliability and best value. We help our customers to realise the key criteria to consider in each application from the outset to maximise reliability and safety and minimise crane downtime. Our guidance can provide savings in steelwork and civil costs and provide greater handling efficiency.



- ❖ **Crane Manufacture and Assembly:** In-house girder fabrication, shotblasting, painting and crane assembly. Welding procedures, non-destructive testing including radiography and crane functional testing. Our facility is approved by major companies such as Dubai Aluminium, General Electric, Alstom. Our Quality Management System is certified to ISO 9001-2008.

- ❖ **Site Installation of Cranes:** Experienced and qualified installation engineers provide efficient and safe installation of cranes, power conductor systems and crane rails. Comprehensive Method Statements, risk assessments and lift plans provided. Installation of cranes up to 250 tonnes capacity carried out by our engineers in all GCC countries, Egypt, Nigeria, India and many other countries



- ❖ **Expertise in Crane Accessories:** Our experienced engineers are familiar with state of the art crane control systems, magnets and grabs. Our strong ties to many major manufacturers enables us to provide advice on best practices for safety and operational benefits at optimum cost. Incorporating these accessories at the time of crane design ensures functional reliability and reduces over all costs.





“The statement ‘Think outside the box’ does not constitute the permission to leave it.”

– The Covert Comic

- ❖ **After-sales Service and Maintenance:** Our highly trained service organisation provides emergency breakdown cover, routine service and Annual Preventative Maintenance Service throughout the region at competitive rates. Specialists are available to provide breakdown cover and repair for radio control systems, electronic crane control systems and crane rails.



- ❖ **Crane Modifications and Conversions:** Where existing cranes are to be re-used in another location or due to change in the crane application, we can provide the consultation, design and execution of crane modifications. These include increased lifting capacities, changes in structural dimensions, modernisation of control systems, conversion to radio remote control and replacement of obsolete components. The works can be done at clients site or in our factory.

- ❖ **Cranes for Special Applications:** Complete design, manufacture and installation of engineered cranes custom built for applications such as Steel Mills, Precast Concrete Plants, Rebar Factories, Turbine Halls and Tunnelling sites where more arduous conditions prevail and more robust and heavy duty cranes are necessary. Special hoists available with longer hook paths and fast hoisting speeds where cycle times need to be minimised.



- ❖ **Rail alignment and Crane Geometry Surveys:** When excessive crane wheel or rail wear is observed, or following an incident with the cranes, we can carry out accurate and thorough surveys and inspections of cranes and rails. Detailed reports supported by recorded data and photographs will be provided and recommendations of actions required based upon our findings and our experience.

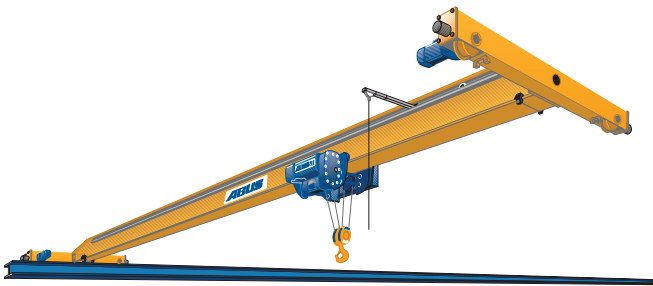


“A plan is a compass. It always tells you where to go next.”

– Oleg Vishnepolsky

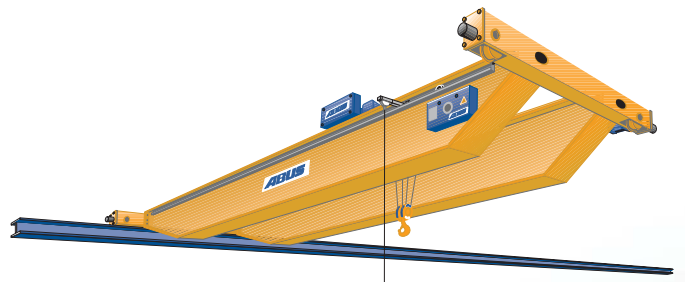
## Our Products

Ace Crane systems are the Middle East Representatives for ABUS Kransysteme, the leading German crane and hoist manufacturer. Their wide range of standard cranes and hoists up to 120t capacity and spans up to 40m, offers a cost-effective high quality solution in most applications. When solutions are required outside their range we source components from other major European crane manufacturers



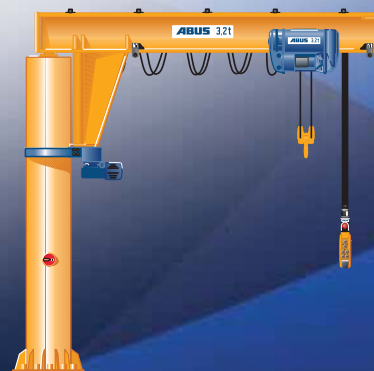
- ❖ **Single Girder ABUS ELK Overhead Cranes** - Capacity to 20 tonnes and span to 30m: Compact dimensions, light weight and with a variety of girder connection versions for a space-saving configuration and optimised highest hook position which can reduce the cost of new buildings. Girders can be specially designed to follow the profile of building steel frames.

- ❖ **Double Girder ABUS ZLK Overhead Cranes** - Capacity to 120t and spans to 42m: Combined with ABUS low headroom hoisting trolleys, ZLK cranes provide maximum hook height in any building design. Computer-optimised girder and end carriage sections provide high performance and low weight benefits. A wide range of additional options are available including maintenance platforms, auxiliary hoists and higher crane speeds.



- ❖ **Single Girder ABUS EDK Underslung Cranes** - Capacity to 10t and spans to 25m: Designed to run on tracks mounted directly to the building roof, the EDK can make full use of the space available. Cantilevers at each end can provide minimum side hook approach dimensions as it removes the need for free-standing structural columns.

- ❖ **Jib Cranes** - Capacity to 6.3t and outreach to 10m. Slewing jib cranes are ideal for load handling at work stations and localized operations within a larger facility. Either mounted on their own pillar or on wall or columns, ABUS jib cranes make load handling easier, safer and more efficient.





“Tomorrow is two days late for yesterday’s work.”

– Unknown



- ❖ **Process Cranes for Intensive Applications:** Cranes can be designed for specific industries taking account of process cycle times, load dimensions and specific hoisting requirements such as handling hollow core slabs, aluminium billets and bundles of steel pipes or bars. Designs include tandem hooks from single barrel or twin hoists, automated control systems and automatic positioning.

- ❖ **Engineered Cranes for special Applications:** Utilising open barrel hoist technology, cranes can be designed for the most arduous duties and environments including Steel Mills, Aluminium Smelters, Foundries and Power stations. Fast operating speeds, long hook paths and heavy duty classifications can all be achieved. Additional features such as overspeed protection, load weighing systems and operators cabins can be incorporated.



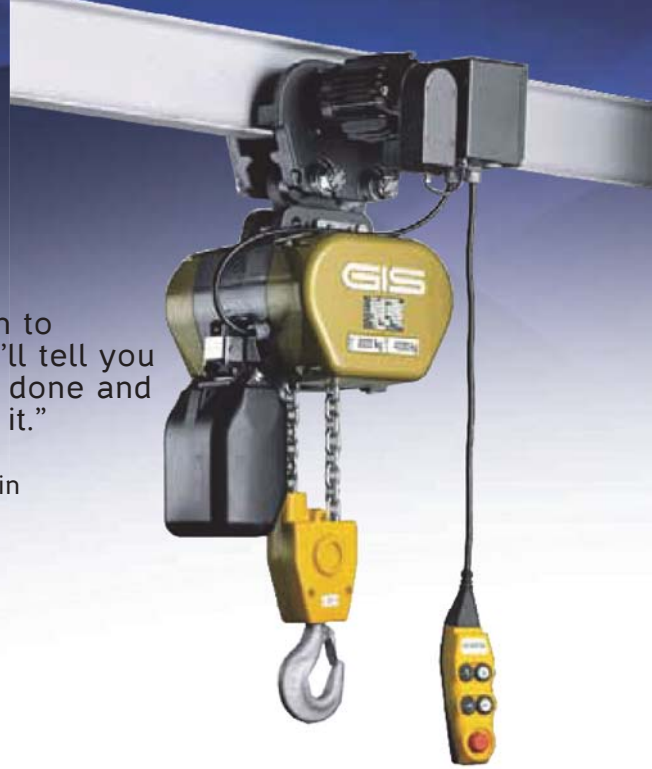
- ❖ **Rail mounted Gantry and Semi-gantry cranes:** Range and features generally as for overhead cranes but cost-effective solution for Stockyards, outdoor plant maintenance and outdoor working areas. Our range includes semi-goliaths designed to run on finished floor without the need for any rails. Motorised Cable reeling drums fitted for power supply to maintain clear access in to the crane coverage area.



## Light track systems and Hoists

“Always listen to experts. They’ll tell you what can’t be done and why. Then do it.”

– Robert Heinlein

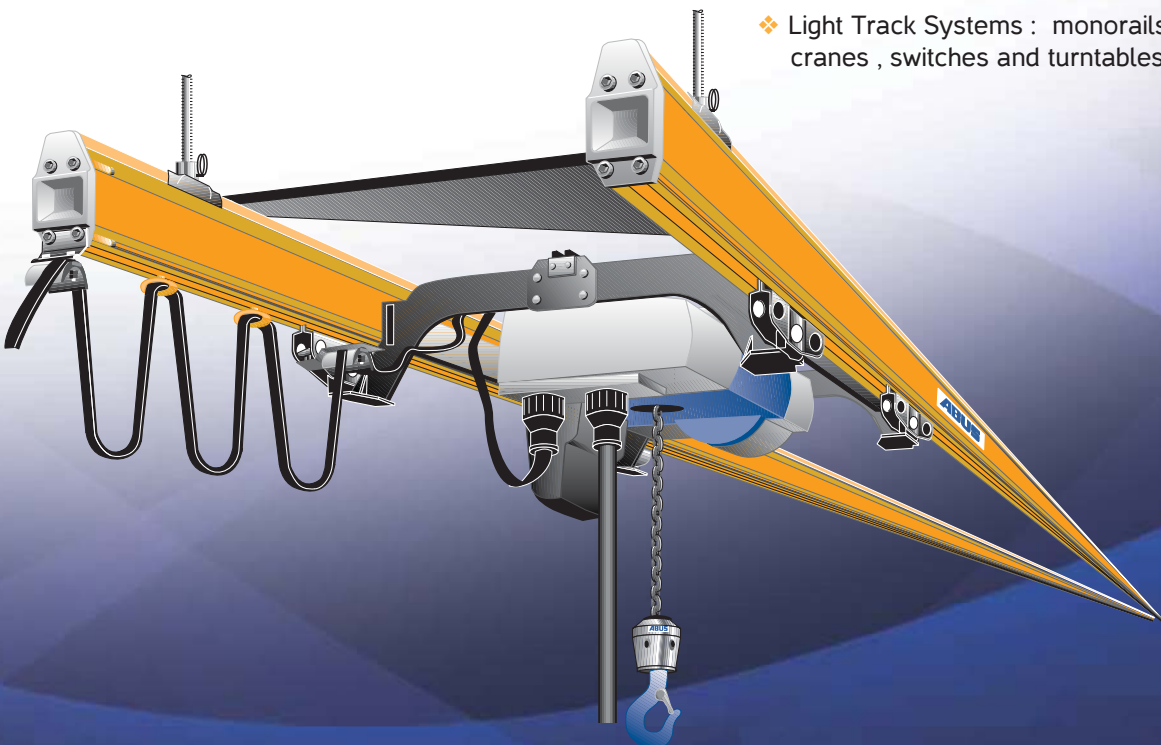


In many manufacturing and assembly facilities, overhead cranes need complementary materials handling to serve local areas such as machining centres, cutting machines, ancillary loading bays and storage areas. Ace Crane Systems offer the supply and installation of light cranes, monorail hoists, jib cranes, etc.

For special applications outside this range, Ace Crane Systems can provide winches, heavy duty chain hoists and larger jib cranes supported by reputable European suppliers.

Our Sales Engineers can provide useful assistance in preparing complete Materials Handling schemes to suit our clients production requirements.

- ❖ Electric Wire rope Hoists
- ❖ Electric Chain Hoists
- ❖ Light Track Systems : monorails , suspension cranes , switches and turntables.





“Wherever you see a successful business, someone once made a courageous decision.”

– Peter Drucker

## Accessories



❖ Crane Rails and fixings: We can provide expertise in second-to-none in Installation, replacement and repairs of crane rails for all industries.

❖ Radio remote control systems: Ace Crane are sales and service representatives for Hetric Radio Controls, one of the worlds largest manufacturers of radio control systems.



❖ Winches: A full range of electric and electro-hydraulic winches are available for all kinds of lifting and pulling operations. Explosion-proof winches are available for hazardous areas.



❖ Power supply systems: High quality systems from major European suppliers available ex-stock from all our depots. Products include cable trolley systems, insulated conductors and cable reeling drums for all applications indoor and outdoor.

❖ Magnets: Through our association with Lifton Magnets of Singapore we can advise and provide on magnets for all steel handling applications with a range from 300kg plate handling magnets up to large slab handling systems.





## Agencies

We are representatives for the following brands of Crane / Lifting equipments and accessories for the UAE / ME region. Our relation with these suppliers is built over years of association as these companies are well established for many years for reputable and reliable products.

Abus Kransysteme  
Germany



Electrical Overhead Cranes,  
Jib Cranes, Special purpose  
light duty cranes, Wire Rope  
Hoists & Chain Hoists.

GIS AG  
Switzerland



Electric Chain Hoists, Jib  
Cranes and Light material  
handling Cranes  
systems

HETRONIC  
Germany



Radio remote control systems  
for construction, industrial &  
commercial equipment.

Treuil HUCHEZ  
France



Pulling & Lifting winches  
Telescopic gantry cranes

MOBILIS - FELS  
France



Power Conductors



Power Conductors

Power conductor systems.

LIFTON MAGNETS  
Singapore



Electromagnets & Electro  
Permanent magnets for  
handling all shapes & sizes of  
steel.







## Clients

“It is not the employer who pays wages. He only handles money. It is the product that pays wages.”

- Henry Ford

Dubai Aluminium.

DUCAB

Emirates Aluminium

General Electric

DEWA

Ministry of Defence

ADWEA

Alstom Energy

Emirates Steel Industries

Alfanar Group - KSA

Saudi Electricity Corporation (SEC)

Khansaheb

Al Shafar Steel and Engineering

Amana

Cummins

Al Naboodah Engineering

Oman Petroleum Company

Arabian BEMCO - KSA

Drydocks World

Al Rajhi Steel

Al Ittefaque Steel

Corus Middle East

Arc International

Arabtech

Concretech

JT Metro

Qatar Steel

SMS Meer

Danieli - Italy

FISIA - Italy

FATA - Italy

Gulf Eternit

Schlumberger

Emirates Engineering



www.acecranes.com



## Ace Crane Systems LLC

P. O. Box 231314. Dubai - U.A.E.  
Works: Plot 2D-11/22, Hamriyah Freezone - Sharjah.  
Tel: +971 6 526 9080, Fax: +971 6 526 9096  
www.acecranes.com

**Toll Free: +971 800 223364 (+971 800-ACE-ENG)**

### Sales Dept

Mob: +971 55 2239430 / +971 50 9223421  
Email: sales@acecranes.com

KSA: info.ksa@acecranes.com  
Qatar: info.qatar@acecranes.com  
Oman: info.oman@acecranes.com  
Bahrain: info.bahrain@acecranes.com  
Kuwait: info.kuwait@acecranes.com

### Service

Mob: +971 50 9223420  
Email: service@acecranes.com

Mobile: +966 50 389 8671  
Mobile: +974 777 91994

### Spare parts

Mob: +971 55 2239447  
Email: spares@acecranes.com





# The Product Overview



Overhead travelling cranes

HB light crane systems

Jib cranes

Electric wire rope hoists

Electric chain hoists

Lightweight mobile gantries

# Contents

<b>Overhead travelling cranes:</b> pages 4 to 7	<b>Load capacity:</b> <b>Span:</b> Applications: Characteristics:	<b>up to 100 t</b> <b>up to 36 m (depending on load capacity)</b> area-coverage material handling comprehensive standard and optional equipment to suit individual applications
<b>HB light crane systems:</b> pages 8 to 11	<b>Load capacity:</b> <b>Span:</b> Applications:  Characteristics:	<b>up to 2 t</b> <b>up to 22 m (depending on load capacity)</b> area-coverage and linear point-to-point material handling  versatile and adaptable, designed for modular extension, wide range of suspensions, low headroom, comprehensive standard and optional equipment
<b>Jib cranes:</b> pages 12 to 15	<b>Load capacity:</b> <b>Jib length:</b>  Applications: Characteristics:	<b>up to 6.3 t</b> <b>up to approx. 10 m (depending on load capacity)</b>  localised swept area coverage slewing range up to 360°, depending on model
<b>Electric wire rope hoists:</b> pages 16 to 19	<b>Load capacity:</b> Characteristics:	<b>up to 100 t</b> favourable dimensions, comprehensive standard and optional equipment
<b>Electric chain hoists:</b> pages 20 to 21	<b>Load capacity:</b> Characteristics:	<b>up to 4 t</b> low headroom, dual lifting speeds as standard feature, ready for installation, comprehensive standard and optional equipment
<b>Lightweight mobile gantries:</b> pages 22 to 23	<b>Load capacity:</b> Characteristics:	<b>up to 2 t</b> with four steerable stop rollers, easy to move, height and width can be adapted to customers' requirements
<b>Accessories:</b> pages 24 to 25		ABUS optional equipment
<b>Services:</b> pages 26 to 27		ABUS services

All data is subject to alterations in technical specification



## ABUS overhead travelling cranes. The solution for difficult tasks.



ABUS ELS single-girder travelling cranes with two wire rope hoists used for handling superstructure components for luxury yachts (PR Marine Boatyard)

ABUS overhead travelling cranes can lift, handle and lower loads of up to 100 tonnes. Four main types are available: these include single-girder travelling cranes, double-girder travelling cranes for heavy-duty work and wide spans and underslung travelling cranes for buildings with special conditions. The fourth main type is the wall travelling crane, installed on a separate crane track beneath the other types in order to optimise material handling.

- **Load capacity:** up to 100 t max.
- **Span:** up to 36 m  
(depending on load capacity)
- **Applications:** mainly for area-coverage material handling in buildings
- **Characteristics:** comprehensive standard and optional equipment to suit individual applications



ABUS EKL wall travelling crane carrying a long load (Rösta)



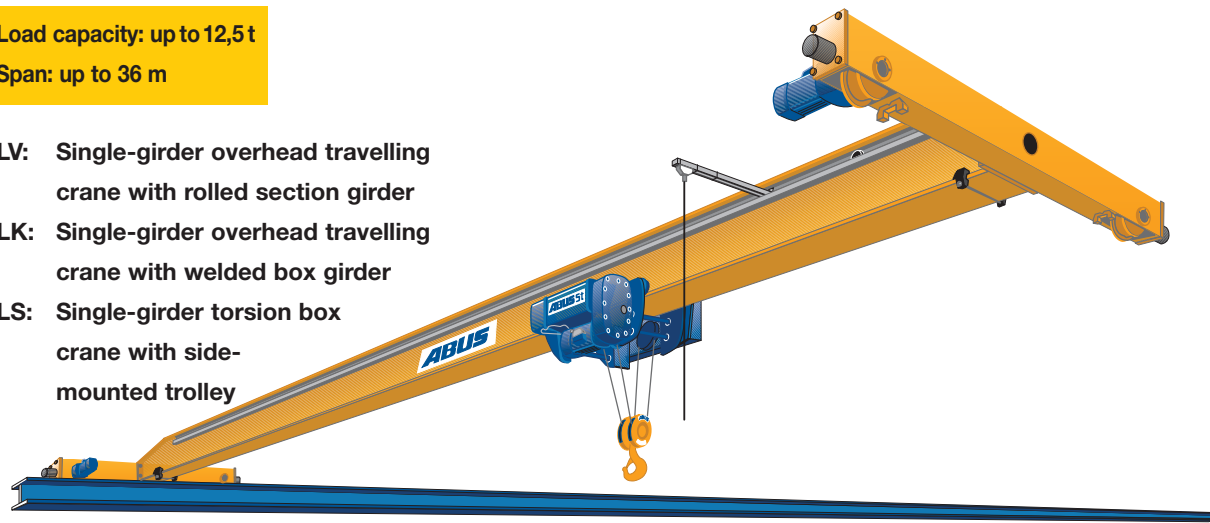
ABUS ZLK double-girder travelling crane with two tandem-controlled electric wire rope hoists and a spreader used for carrying prefabricated building components (Raab).



## ABUS single-girder overhead travelling cranes

Load capacity: up to 12,5 t  
Span: up to 36 m

- ELV: Single-girder overhead travelling crane with rolled section girder
- ELK: Single-girder overhead travelling crane with welded box girder
- ELS: Single-girder torsion box crane with side-mounted trolley



- wide range of connection variants for optimum adaptation to local conditions
- very high hook positions possible

## ABUS underslung overhead travelling cranes

Load capacity: up to 8 t  
Span: up to 25 m

- DVLM: Underslung overhead travelling crane for lighter loads
- EDL: Underslung overhead travelling crane for heavier loads

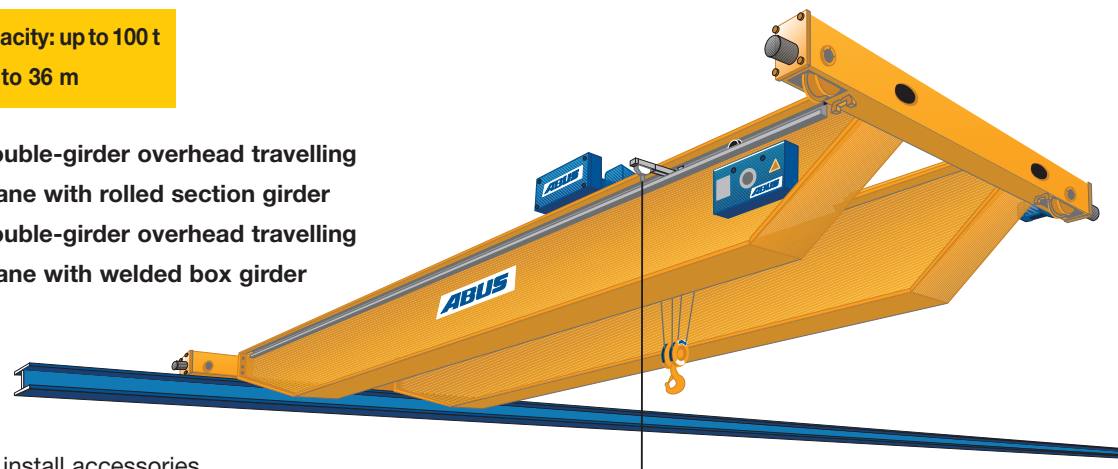


- crane track mounted on ceiling
- the ideal solution for buildings with difficult or tight conditions
- short side approach dimensions, allowing optimum utilization of building width

## ABUS double-girder overhead travelling cranes

Load capacity: up to 100 t  
Span: up to 36 m

- ZLV: Double-girder overhead travelling crane with rolled section girder
- ZLK: Double-girder overhead travelling crane with welded box girder

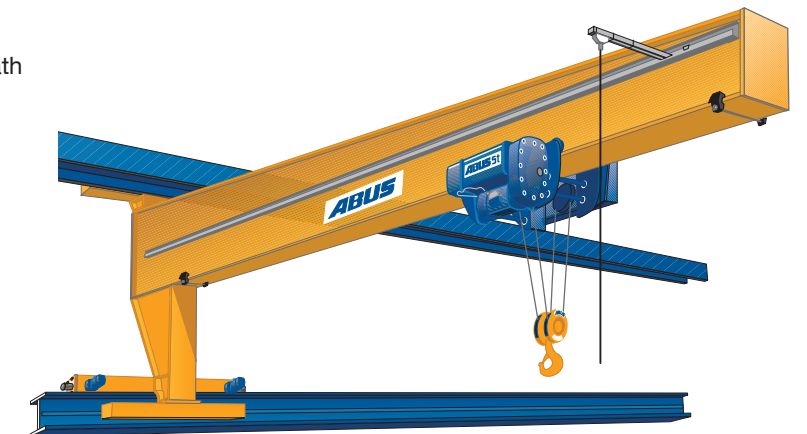


- easy to install accessories
- high crane and trolley travel speeds possible

## ABUS EKL wall travelling crane

Load capacity: up to 5 t  
Track length: up to 10 m

- installed on its own track beneath other types of travelling crane
- ideal for use as a workplace crane serving several work stations





## ABUS HB light crane system. You can always extend a really smart system.

An ABUS ZHB double-girder crane handling wall panelling. Crane girder projections ensure improved load support. Power is supplied via a protected conductor system (Bien-Haus)



- Load capacity: up to 2 t max.
- Span: up to 22 m (depending on load capacity)
- Applications: area-coverage and linear point-to-point material handling
- Characteristics: versatile and adaptable, designed for modular extension, wide range of suspensions, low headroom, comprehensive standard and optional equipment



Linear point-to-point handling of vehicle cabs using the ABUS ESB monorail system (Liebherr, Ehingen)



An ABUS EHB single-girder crane ensures optimum material flow on a combine harvester production line (Claas).

ABUS HB is a modular system which allows you to build up a complete tailor-made material handling solution to suit your requirements. The system can be adapted to the conditions and dimensions of almost any application and reliably mounted on a wide variety of different ceilings.

The main advantage of an ABUS HB system is that it can easily be extended and adapted at any time, allowing it to grow with your business.

The ABUS ZHB-3 double-girder crane system is ideal when long crane girders are needed, as in this case, for motor caravan production (Euramobil, Spremlingen)

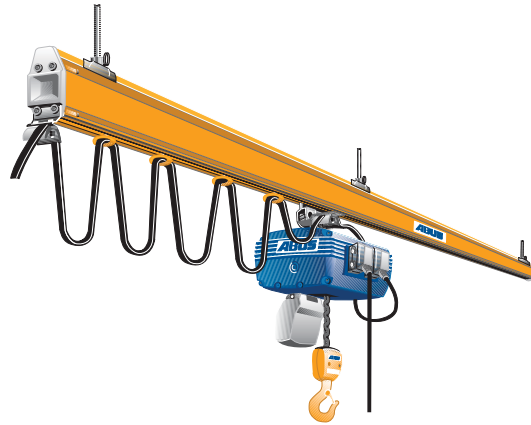


This ABUS ZSB double-rail system makes it easier to lift bulky items into crates (MTF Technik).



## ABUS ESB monorail

for linear point-to-point coverage

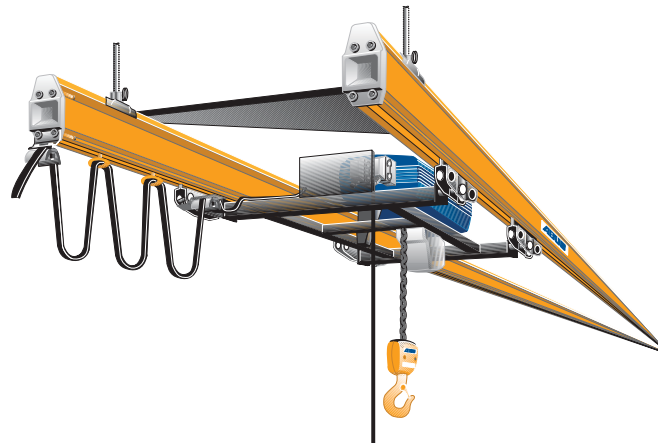


Load capacity: up to 2 t

- curves are possible on the track
- low headroom
- wide suspension spacing
- optional electric hoist travel

## ABUS ZSB double-rail system

for linear point-to-point coverage

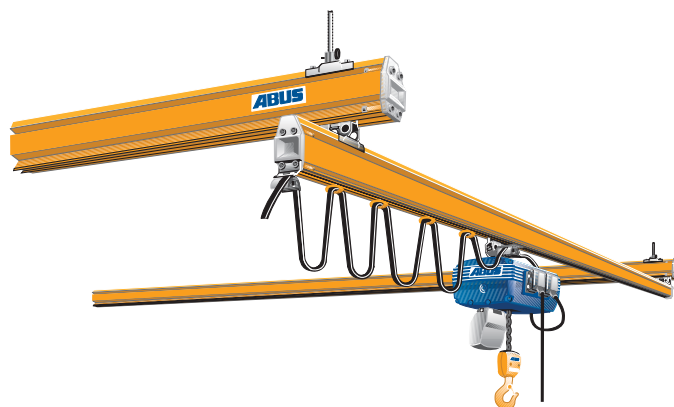


Load capacity: up to 2 t

- wide suspension spacing
- chain hoist installed between rails for improved lift height
- optional electric hoist travel
- optional mobile control

## ABUS EHB single-girder crane

for area coverage

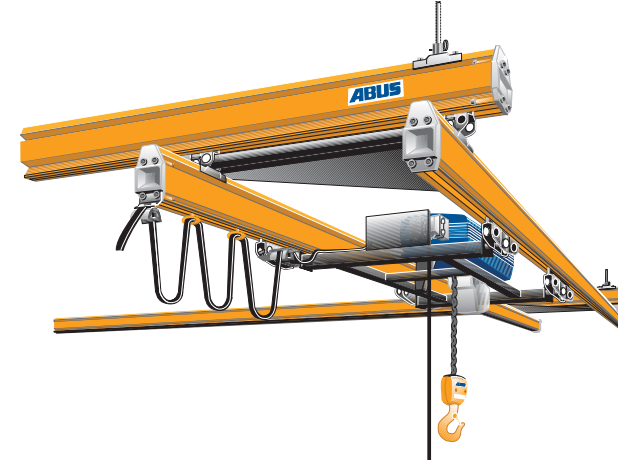


Load capacity: up to 1 t  
Crane girder length:  
up to 10 m

- very light crane; ideal for use in lightweight buildings
- easy to move manually
- low headroom
- short end approach dimensions
- wide suspension spacing

## ABUS ZHB double-girder crane

for area coverage

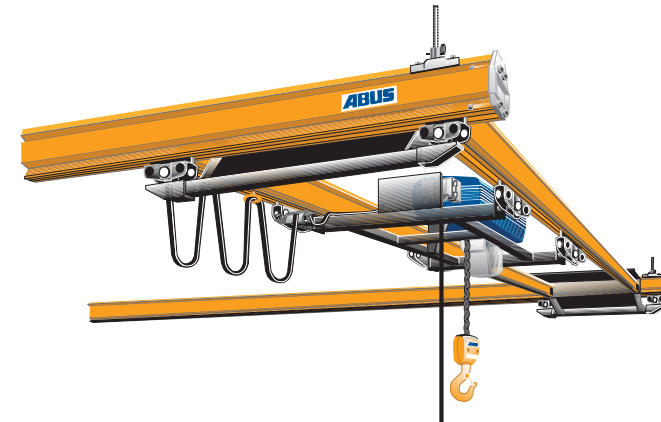


Load capacity: up to 2 t  
Crane girder length:  
up to 12 m

- chain hoist installed between crane girders for improved lift height
- very low headroom
- optional electric long + cross travel
- optional mobile control

## ABUS ZHB-X double-girder crane

for area coverage



Load capacity: up to 2 t  
Crane girder length: up to 8 m

- raised up crane for optimum use of available space
- ultra low headroom
- wide maximum suspension spacing
- optional electric long + cross travel
- optional mobile control

## ABUS ZHB-3 double-girder crane

for area coverage



Load capacity: up to 1.6 t  
Crane girder length:  
up to 22 m

- long crane spans possible
- lower headroom compared with EOT
- wide suspension spacing
- electric long + cross travel
- optional mobile control



## ABUS jib cranes. A sound basis for efficient material handling.

ABUS VS pillar jib crane used for assembling mobile crane and excavator transmissions (Liebherr).



ABUS VS pillar jib crane used for assembling road milling machines (Wirtgen).



ABUS LS pillar jib crane with vacuum lift used for cutting fibreboard (Bien-Haus).

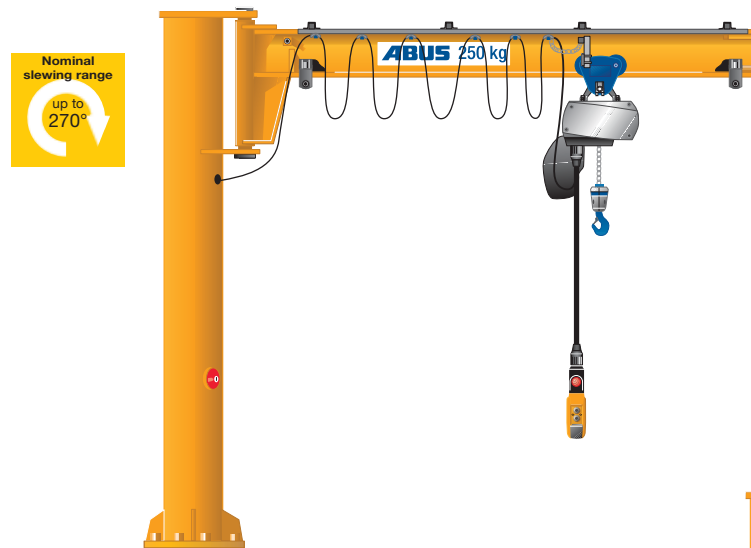


ABUS VS pillar jib crane with electric control of all crane functions used for brewing vat production (Huppmann).

ABUS jib cranes are extremely versatile units which can easily be adapted to the customer's specific requirements. For example, jib cranes can be mounted on floors, walls or existing supports. Electric wire rope or chain hoists are available as options, as are electric hoist travel and electric slewing gear.

- **Load capacity:** up to 6.3 t max.
- **Jib length:** up to approx. 10 m (depending on load capacity)
- **Applications:** swept area coverage
- **Characteristics:** can be installed in any position, slewing range up to 360°, depending on model

## ABUS pillar jib cranes



Nominal slewing range  
up to 270°

Load capacity: up to 0.5 t  
Jib length: up to 7 m

### ABUS LSX pillar jib crane

- smooth-running jib for easy manual operation
- optimal highest hook position
- optional electric hoist travel

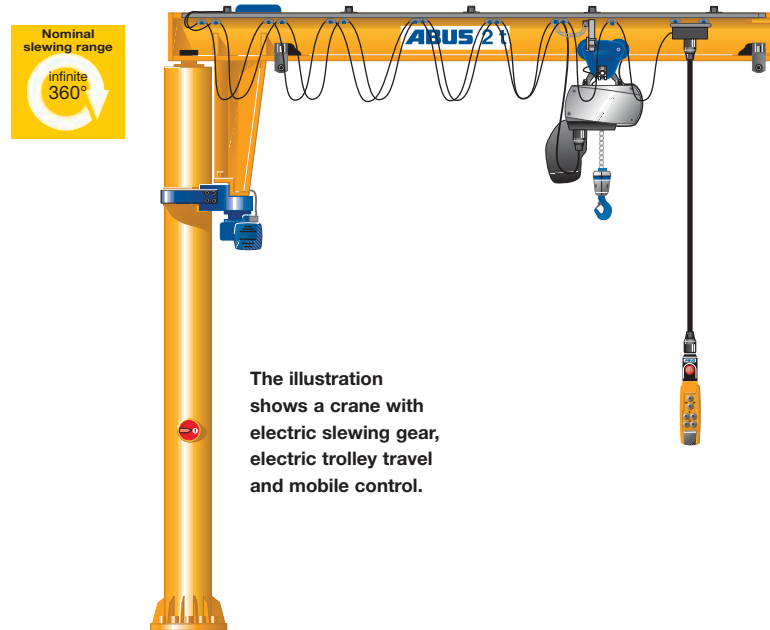
Load capacity: up to 1 t  
Jib length: up to 7 m

### ABUS LS pillar jib crane

- light self weight; can be installed even if floor or foundation conditions are difficult
- almost effortless push trolley travel



Nominal slewing range  
up to 270°



Nominal slewing range  
infinite 360°

Load capacity: up to 6.3 t  
(> 4 t with ABUS wire rope hoist)  
Jib length: up to 10 m

### ABUS VS pillar jib crane

- low headroom offers optimal highest hook position
- optional electric slewing gear
- optional electric hoist travel
- optional mobile control (standard with wire rope hoists)

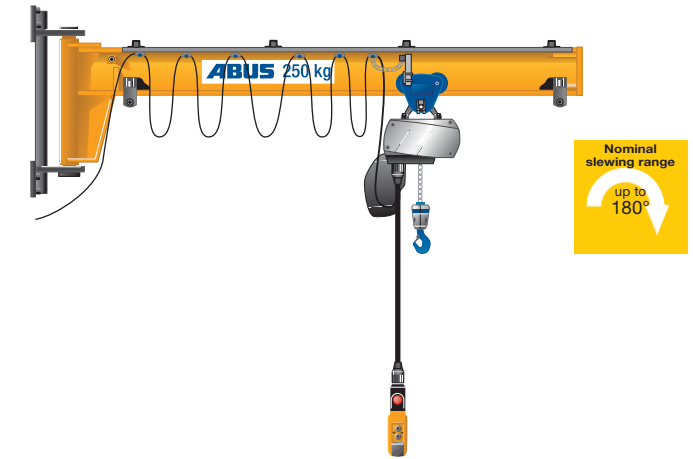
The illustration shows a crane with electric slewing gear, electric trolley travel and mobile control.

## ABUS wall jib cranes

Load capacity: up to 0.5 t  
Jib length: up to 7 m

### ABUS LWX wall jib crane

- smooth-running jib for easy manual operation
- optimal highest hook position
- optional electric trolley travel

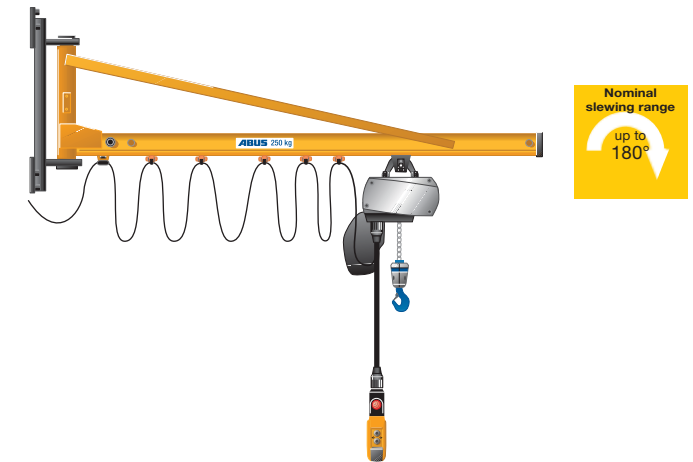


Nominal slewing range  
up to 180°

Load capacity: up to 1 t  
Jib length: up to 7 m

### ABUS LW wall jib crane

- relatively light weight; can also be installed in lightweight buildings
- trolley very easy to move by hand

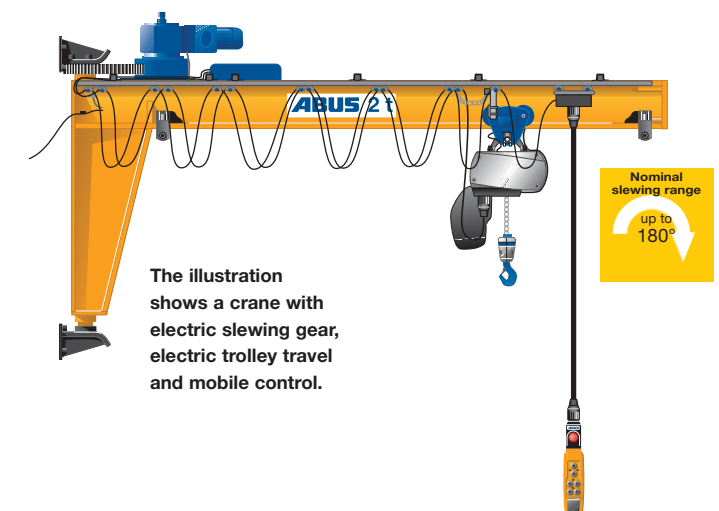


Nominal slewing range  
up to 180°

Load capacity: up to 5 t  
(> 4 t with ABUS wire rope hoist)  
Jib length: up to 10 m

### ABUS VW wall jib crane

- low headroom offers optimal highest hook position
- optional electric slewing gear
- optional electric trolley travel
- optional mobile control (standard with wire rope hoists)



Nominal slewing range  
up to 180°

The illustration shows a crane with electric slewing gear, electric trolley travel and mobile control.



**ABUS electric wire rope hoists.**  
**For sensitive handling of heavy loads.**



Four synchronized type E electric wire rope hoists handling loading racks for steel structures (Krähe + Wöhr).



This ABUS type DB electric wire rope hoist has a walkable service platform for even easier maintenance (Rösta).



The ABUS type E electric wire rope hoist: a compact solution for single-girder travelling cranes (Rösta).



This installation benefits from the ultra low headroom design of the ABUS type DQA wire rope hoist (Bien-Haus).

ABUS electric wire rope hoists are the central components of crane systems for handling heavy loads. They feature motors, brakes, transmissions and electrical and electronic systems that have all

been tried and tested over many years of arduous service. Standard precision travel and lifting speeds allow the power and speed available to be dosed precisely. ABUS electric wire rope hoists are also

extremely user friendly, featuring compact design, very easy maintenance and easy plug-in connectors.

- **Load capacity:** up to 100 t max.
- **Characteristics:** favourable dimensions, comprehensive standard and optional equipment



## ABUS electric wire rope hoists for single-girder travelling cranes



Load capacity: up to 12.5 t

### Type E · Single-rail trolley

- compact design
- two direct-driven trolleys without open gears
- trolley can be adapted to different flange widths



Load capacity: up to 10 t

### Type S · Side-mounted trolley

- reeving beside crane bridge for optimum maximum hook height
- can be used on single-girder crane bridges up to 35 m long



Load capacity: up to 25 t

### Type U · Bottom flange trolley

- can also be used on single-rail tracks with normal rolled section girders
- direct-driven trolleys without open gears

## ABUS electric wire rope hoists for double-girder travelling cranes

Load capacity: up to 63 t

### Type D · Double-rail trolley, normal design

- jointed end carriage connection for firm four-wheel contact
- two direct drives for trolley without open gears
- walkable service platform optional



Load capacity: up to 40 t

### Type DQA · Double-rail trolley, low design

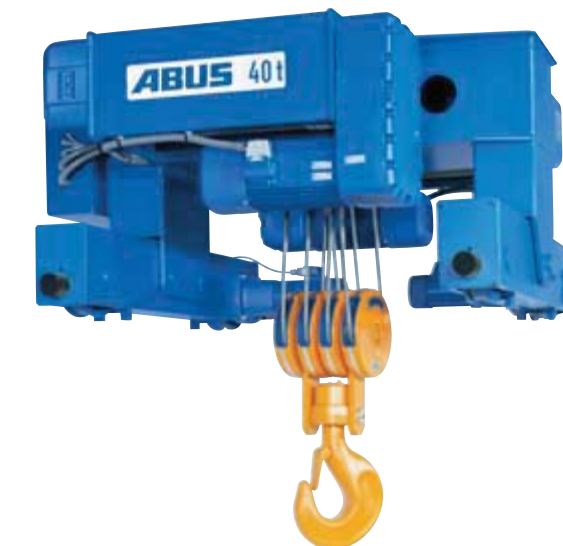
- ultra low headroom design
- jointed end carriage connection for firm four-wheel contact
- two direct drives for trolley without open gears



Load capacity: up to 100 t

### Type Z · Double-rail trolley with twin hoist

- with twin hoist
- jointed end carriage connection for firm four-wheel contact
- two direct drives for trolley without open gears
- walkable service platform optional





## ABUS electric chain hoists. Reliable links in the material handling chain.

ABUS GM1 electric chain hoist in continuous service for the final inspection of dishwashers (Bosch Siemens).



The standard precision lifting speed of this ABUS GM3 electric chain hoist allows sensitive lifting and lowering for the watertight testing of yachts (Dehler Yachtbau).

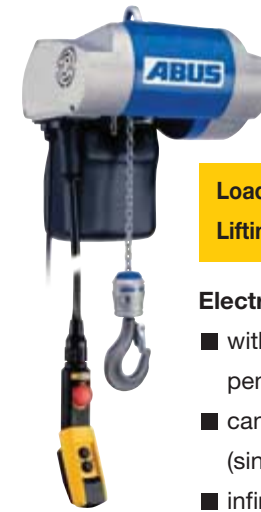


A sturdy work-horse: the ABUS GM5 electric chain hoist (ABUS photograph).

In stationary installations, with push trolleys or electric trolleys, ABUS electric chain hoists have a number of extremely useful, user-oriented advantages. These include a very low headroom design for optimum utilisation of available space, a standard precision lifting speed for sensitive lifting and lowering operations and brake linings with a long service life. Under normal conditions, the unit can complete 1 million full-load braking operations before adjustment is required.

- **Load capacity:** up to 4 t max.
- **Characteristics:** low headroom, dual lifting speeds as standard feature, ready for installation, comprehensive standard and optional equipment

## ABUS electric chain hoists



**Load capacity: up to 200 kg**  
**Lifting speed: up to 12 m/min**

### Electric chain hoist ABUCompact GMC

- with ABUCommander push button pendant as standard equipment
- can be connected to 230 V power socket (single phase)
- infinitely variable lifting speed
- hook path: 3/6/10/20 m
- weight: approx. 10 kg / 12 kg



**Load capacity: up to 2500 kg**

### Electric chain hoist ABUCompact GM6

- with ABUCommander push button pendant as standard equipment
- 2 lifting speeds as standard feature



**Load capacity: up to 630 kg**  
**Lifting speed: up to 20 m/min**

### Electric chain hoist ABUCompact GM2

- with ABUCommander push button pendant as standard equipment
- 2 lifting speeds as standard feature



**Load capacity: up to 1250 kg**

### Electric chain hoist ABUCompact GM4

- with ABUCommander push button pendant as standard equipment
- 2 lifting speeds as standard feature



**Load capacity: up to 4000 kg**  
**Lifting speed: up to 20 m/min**

### Electric chain hoist ABUCompact GM8

- with ABUCommander push button pendant as standard equipment
- 2 lifting speeds as standard feature



**ABUS lightweight mobile gantries.  
Take it where you need it.**



Lifting power where you need it. The ABUS lightweight mobile gantry is the ideal warehouse assistant.

With the ABUS lightweight mobile gantry, you can mobilize the lifting power of an ABUS electric chain hoist. The crane is designed for loads up to two tonnes and features four steerable stop rollers for easy handling. Lifting power is always available where you need it. Depending on the load capacity required, the maximum overall width is up to 7.9 m and the maximum overall height up to 5 m. If necessary, the ABUS lightweight mobile gantry is also easy to dismantle.

- **Load capacity:** up to 2 t max.
- **Applications:** mobile
- **Characteristics:** easy to move and dismantle, with four steerable stop rollers (two with 90° direction locks)

**ABUS lightweight mobile gantry.**



Load capacity: up to 2 t  
Height: up to 5 m  
Width: up to 7.9 m

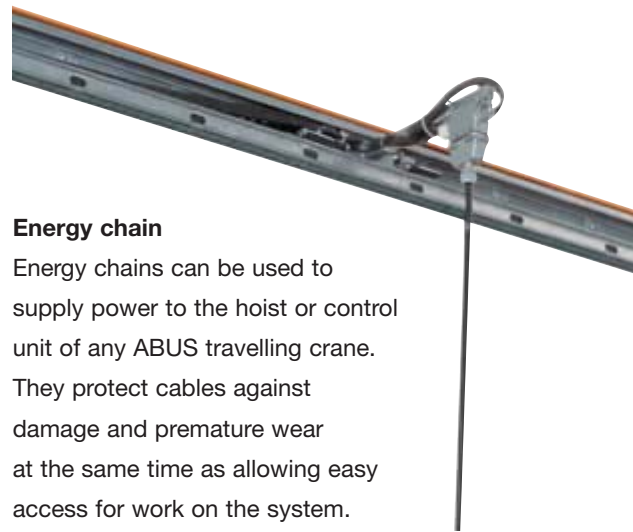
**ABUS LPK lightweight mobile gantry.**

- with 4 steerable stop rollers (2 with 90° direction locks)
- can be used with any ABUS electric chain hoist
- mobile control optional



## Anything else you need? The ABUS accessories range.

With the accessories in the ABUS range, you can tailor an ABUS crane to meet your specific requirements. The equipment available, ranging from energy chains and radio remote controls to lighting and load measurement systems, should be sufficient to meet all your needs.



### Energy chain

Energy chains can be used to supply power to the hoist or control unit of any ABUS travelling crane. They protect cables against damage and premature wear at the same time as allowing easy access for work on the system. They also help you save space and cut costs, as complex cable mounting systems are no longer required.



### Crane lighting

Halogen spotlights, high-pressure sodium vapour (NAV) and high-pressure halogen metal vapour lamps are available for lighting the working area under the crane. The 750 W halogen spotlights feature a housing made from aluminium sheet and diecast aluminium. The two other lamps, each rated 400 W, are equipped with a galvanized steel housing.



### Radio remote control

Radio remote controls give crane operators greater freedom of movement, allowing them to choose the position which gives the best view of their working area and effectively saving time. ABUS offers radio remote controls with joy stick or a compact transmitter. ABUS radio remote controls are also suitable for multiuser operation, with parallel access to several cranes.



GLZ large load display

### Load measurement systems

ABUControl: a universal load measurement and evaluation system that measures the voltage and current on all three phase conductors of the hoist motor. Functions integrated include: overload protection (LIS-SE), load display in the push button pendant and load population recorder.



LIS-SV: this load indicator system offers all the functions of the LIS-SE system, but uses load measurement sensors in addition to motor current measurements. This system is an attractive proposition for systems with several hoists where the overall total load of all hoists needs to be limited. This system increases measurement accuracy. The load can be indicated either on the display in the pendant control or on a large load display.

### ABUS cross-type limit switches

limit long travel and cross travel, automatically slowing or stopping the crane or the hoist at the end of the track. These limit switches may also be applied for crane zoning if it is necessary to divert a hoist on a crane around a prohibited area. The switch is operated by a switching lug installed on the crane track or on the crane bridge.

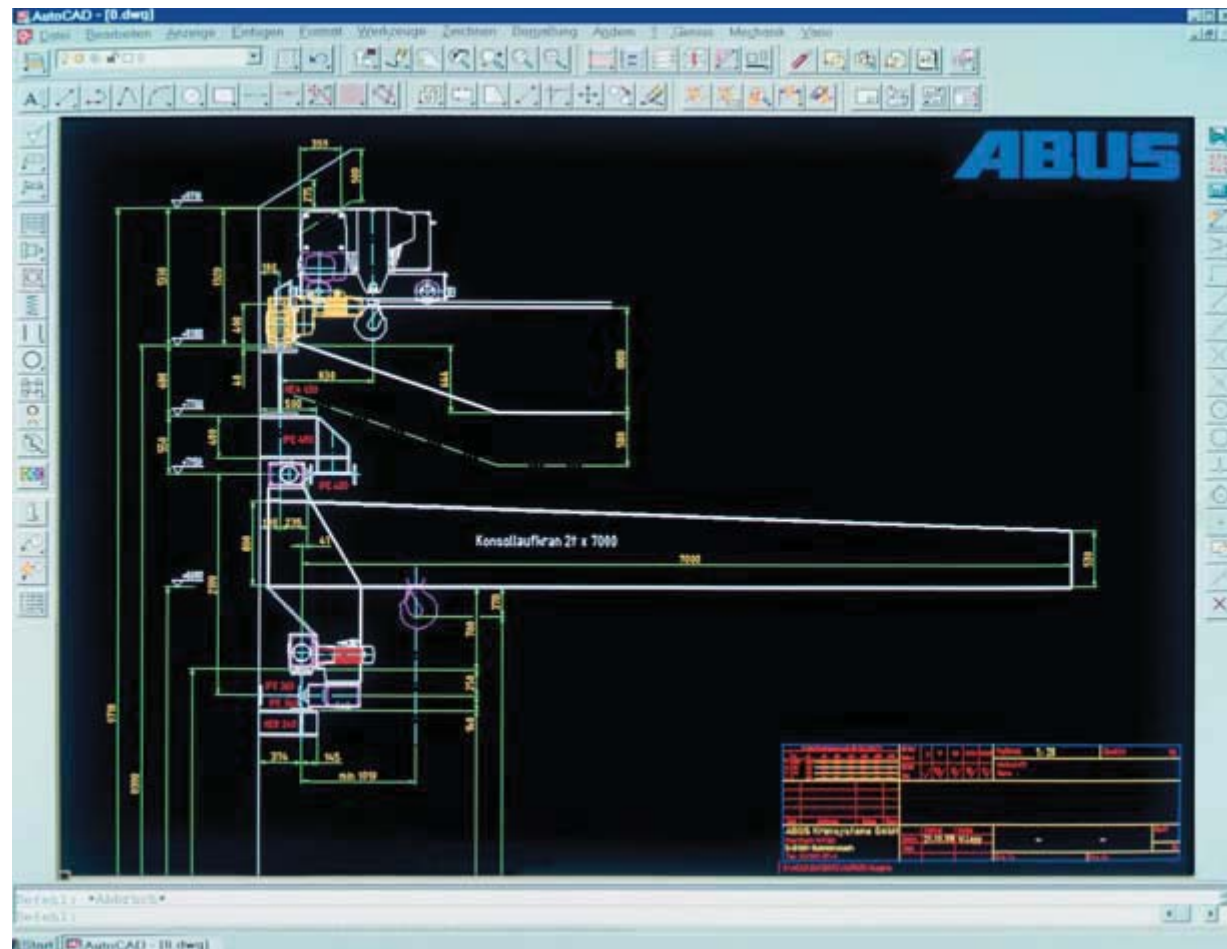


### Anti-collision devices

The ABUS anti-collision device incorporates a photoelectric distance measurement system which prevents accidental collision. Automatic switchover to a lower speed as the two hoists approach each other is a standard feature. A shut-down function can be incorporated. ABUS can also supply collision prevention devices designed to maintain a specified minimum spacing and other special designs.



**Good design is a matter of detail.  
Good service too.**



Precise and reliable right down to the last detail. Computer-aided design systems give a clear overview at all stages in the project.

Comprehensive and reliable: each proposal includes thoroughly prepared technical documentation.



Comprehensive advice, consistently applied, lays a solid foundation for the design of any crane system. Our computer-aided design team uses a continuous database for all stages from initial stocktaking through to planning and design. The result is a proposal with full technical documentation precisely in accordance with your requirements. Our proposals form a reliable basis for your decision to purchase a modern, high-performance indoor crane system.

**ABUS Service is a standard feature of ABUS quality.**



The ABUS all-inclusive service package offers greater safety and helps save costs. Apart from regular servicing, the package includes a number of other services which would normally result in additional cost. In addition, early diagnosis and regular maintenance by trained ABUS service staff systematically improve the availability of your crane system. ABUS service packages are also available for cranes and hoists produced by other companies.

- ABUS representatives in more than 40 countries
- Express spare parts delivery



# FAX FORM

## Please send me further information:

Just copy this fax form,  
complete it and return it to us.

**Fax Number**  
**+49 2261 37-129**

- |  |   |
|--|---|
| <input type="checkbox"/> ABUS component catalogue          | <input type="checkbox"/> ABUS wire rope hoist information           |
| <input type="checkbox"/> ABUS travelling crane information | <input type="checkbox"/> ABUS chain hoist information "ABUCompact"  |
| <input type="checkbox"/> ABUS jib crane information        | <input type="checkbox"/> "ABUPowerline" information                 |
| <input type="checkbox"/> ABUS HB system information        | <input type="checkbox"/> ABUS lightweight mobile gantry information |

Please arrange a personal meeting. I would like to propose the following date.

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**PO Box/adress:** \_\_\_\_\_

**Postcode/Place:** \_\_\_\_\_

**Phone/extension:** \_\_\_\_\_

**Fax no.:** \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_