

SCANCLIMBER®

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Industrial hoists

References worldwide



SCANCLIMBER® Industrial hoists

Applications:

- Operator, Service and Inspection units

Options:



- **Lifting drive**
 - Different capacities
 - Motor control
 - Direct on line start
 - Frequency controlled
 - Control system
 - Relay control up to 4 landings
 - PLC control when more than 4 landings
 - Automatic rack lubrication
- **Cage**
 - Variable cage sizes
 - Door alternatives
 - one side / two sides / three sides / three sides + emergency door
 - Door structures
 - Sliding door
 - opens fully up, manual
 - opens half way up and down, manual
 - opens side ways, manual
 - opens side ways, electric
 - Materials
 - galvanized and steel painted
 - galvanized and aluminium anodized
 - galvanized and stainless steel
- **Landings**
 - Door structures
 - perforated
 - closed with window
 - according to customers specification
 - Landing walls
 - door frame protection
 - one to four side panels



Technical data	Light duty		Heavy duty		
	SC300K	SC400K	SC500K	SC1500K	SC2000K
• Payload	300 kg 3 persons	400 kg 4 persons	500 kg 5 persons	1500 kg 15 persons	2000 kg 20 persons
• Speed	36 m/min	36 m/min	36/52 m/min	36/52 m/min	36/52 m/min
• Lifting height	200 m	200 m	> 200 m	> 200 m	> 200 m
• Cage dimensions					
• internal	775 x 1043 mm	780 x 1270 mm	780 x 1270 mm	1500 x 2400 mm	1500 x 3000 mm
• door opening	720 x 2000 mm	780 x 2000 mm	780 x 2000 mm	1500 x 2000 mm	1500 x 3000 mm
• Lifting unit					
• type	top drive	top drive	top drive	top drive	top drive
• motor	1 x 7,5 kW	1 x 9,2 kW	1 x 11 kW	2 x 9,2 kW	2 x 11 kW
• Power supply					
• voltage	400/50 VAC/Hz	400/50 VAC/Hz	400/50 VAC/Hz	400/50 VAC/Hz	400/50 VAC/Hz
• current	32 A	40 A	40 A	63 A	63 A
• Safety device	UC3.0 A	UC3.0 A	UC3.0 A	UC3.0 A	UC3.0 A
• Mast tubular steel with integrated rack					
• section length	1,5 m	1,5 m	1,5 m	1,5 m	1,5 m

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SC300K

- Job site: The Hamburg port, Germany
- Contractor: KOCKS Krane International

The **Scanclimber** range of hoists has undergone a development. With the chimney hoists **SC300K** and **SC400K** developed according to the latest requirements, the performance spectrum has been significantly expanded.

The hoist is designed either for 3 or 4 persons and starts with a carrying capacity of 300 kg. It bases on a proven mast system with a maximum anchor distance of up to 7,50 m and is designed to be able to operate also on sloping mounting grounds.

As these crane hoists are often used at the seaside, for these cases a special protection against corrosion of the steel building and against humidity in the area of the electrical components is taken into account. 4 SC300K units were fitted on ship unloaders at the **Hamburg Port**.

- Roland Zengerling,
Scanclimber Oy Ltd. Deutschland



SC300K SC400K SC500K SC1500K SC2000K

SC300K SC400K SC500K SC1500K SC2000K

SC300K

- Job site: Shipyard SPLIT, Croatia
- Contractor: Kranbaum Eberswalde, Germany



The **SC300K** hoist S/N 181 was assembled on the shipyard jib crane in the **Split Shipyard**. The hoist was destined for vertical transportation of people and materials of a total weight up to 320 kg. It enabled the crane operators to climb up to the control center of the crane. It was also used by the maintenance technicians and service men.

The lower station of the hoist was located on the height of about 10 m and to get onto it one needed to use stairs. The upper station was located around 20 m higher near by the control center. The jib crane was used for building ships – with its help the elements lying on the loading berth were loaded to a ship being mounted. It's made by the German company **Kranbaum Eberswalde** and assembled by Croatians under Germans' supervision.

- Scanclimber Sp. z o.o.

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SC300K

- Job site: crane, mounted on a floating pontoon, the Netherlands
- NIBM Kraan en Lijftechniek, the Netherlands



SC500K

- Job site: UPM paper mill, boiler tower
- Supplier: UPM Kymmene, Pietarsaari, Finland



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PM1500 permanent hoist

- Job site: Railway tunnel Zürich - Thalwil, Switzerland
- Customer: SBB (the Swiss Train company)

For the new railway tunnel **Zürich - Thalwil** the rescue concept had to be revised at short notice. Three escape shafts for evacuation and for material transport were driven into the mountain retroactively. Subsequently, in each shaft a steel staircase and a rescue hoist were installed.

Sophisticated planning of the rescue facilities and their control pay regard to various scenarios for rescue operations. Three **Scanclimber PM1500** permanent hoists whose lift cages are equipped with two respectively three doors, were built up in the shafts.

Down in the tunnel there are two possibilities of access to the hoist: if works likewise at the exit of the shaft: thereby the lift is free for further use within short time. Additionally, exit is possible via the third door in the lateral side of the lift cage at the landings between the storeys.

Every hoist has an overstress measure device and is connected to the railway control net by an emergency switch. The aluminium lined lift cages with a surface of 2,40 m x 1,40 m pass through the up to 70 m high shafts at a speed of 40 m/min.



Scanclimber installed the hoists within 8 weeks under difficult circumstances. Various new developments take into account the special conditions of this pilot project. So, among other things, an especially narrow mast was chosen for the toothed rack drive operation to guarantee an optimal lift service in the narrow shaft.

The certification by the authorities on site confirmed the qualification of Scanclimber PM1500 for the use in escape shafts.

- Roland Zengerling,
Scanclimber Oy Ltd. Deutschland

SCANCLIMBER® Industrial hoists

SC2000K service lifts

- Job site: "LE PONT LEVANT DE ROUEN" bridge pylons, France
- Supplier: SKY Access



The new bridge over **Seine river in Rouen**, France, is called the 6th bridge and it is the first of its type in the world. Bridge was built by **Eiffel company**. **Sky Access** was responsible for lifting equipment and Scanclimber supplied 4 pcs of **SC2000K service lifts** for the access, up to the 70 m high pylons and bridge's lifting mechanism.

- Roland Zengerling,
Scanclimber Oy Ltd. Deutschland



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