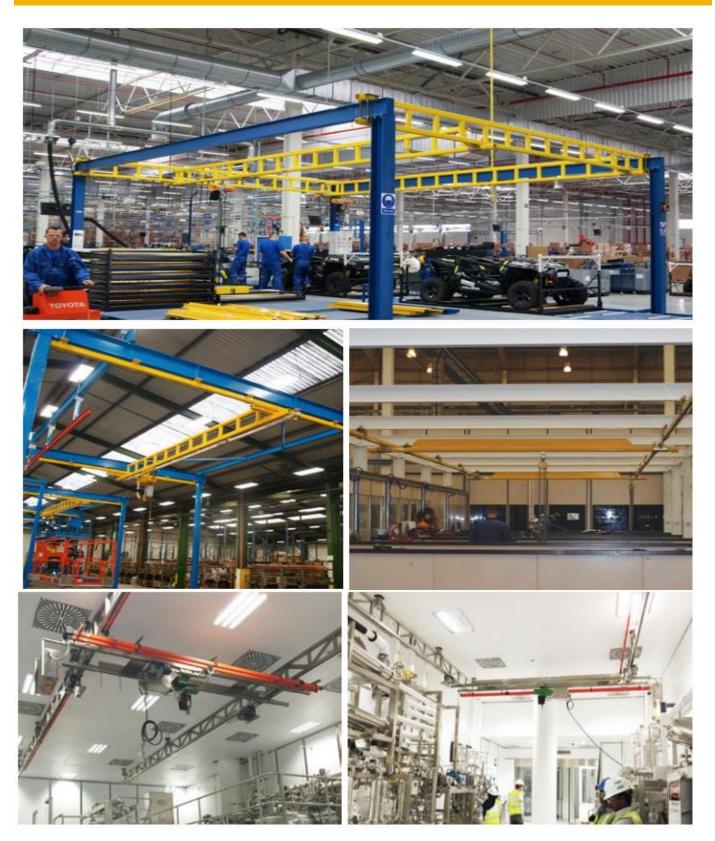




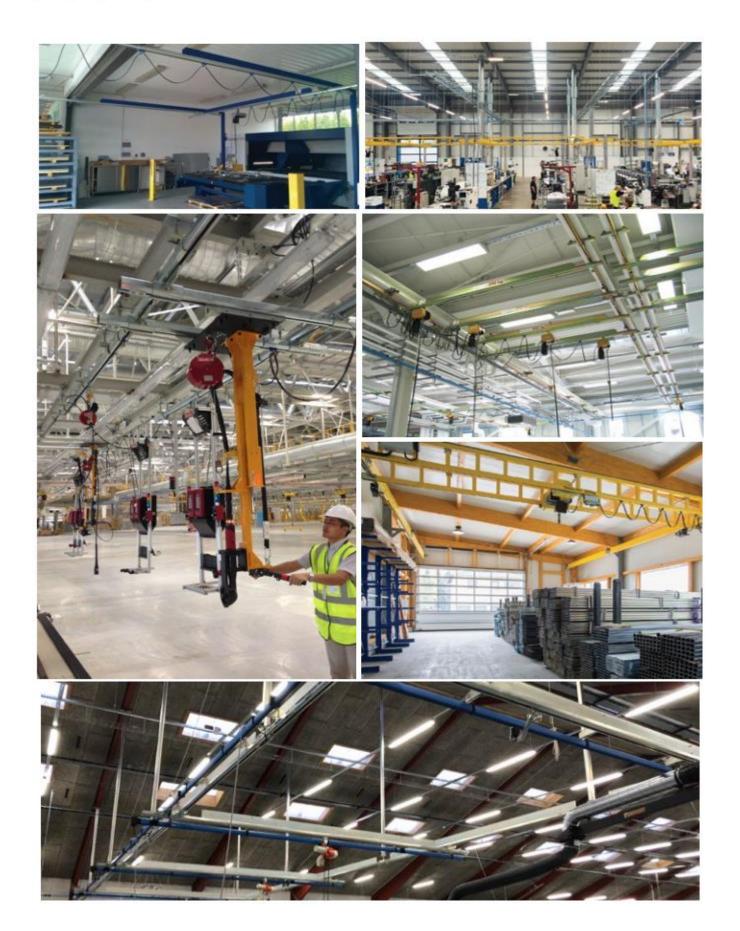
MATERIAL HANDLING RECYCLING FOOD & PHARMA WORK HOLDING CONVEYING QUICK MOULD VACUUM FILTRATION DEMAGNETIZERS & METERS

Light Crane Systems







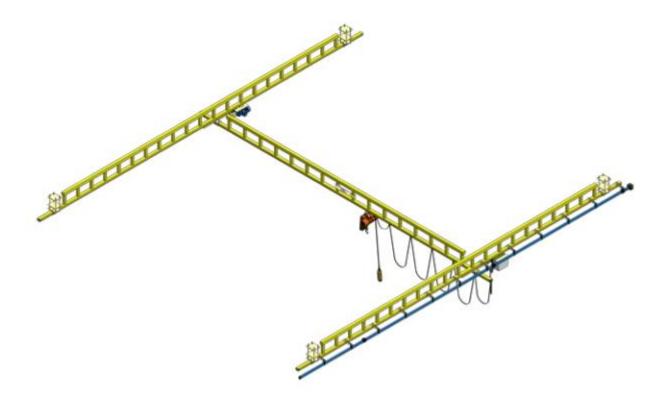






Light Cranes – a versatile and economic solution for load up to 2.000kg and 10 meter bridge length.

This Light crane system provides an ergonomic and cost-effective solution to conventional overhead crane systems particularly in cases with height and space restrictions. Versatile and reliable overhead handling can be achieved for a variety of applications using the modular design. The robust design of our components and the high standard of manufacturing, guarantees long life with the minimum of maintenance. The product range consist of sliding door fittings, overhead conveyor systems, festoon systems, fall arrest systems and light cranes.



Main Characteristics

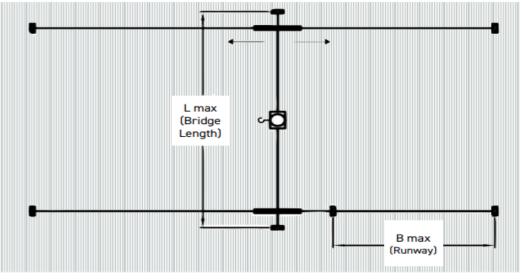
- Loads up to 2.000 kg
- Bridge spans up to 10 meters.
- Modular design enables extension, modification and relocation.
- ✓ Cost effective.
- Easy to install using a variety of supporting brackets.
- Large range of mounting options.
- Latching capability enables interconnection with existing or new conveyor or monorail systems.
- Telescopic cranes.
- Manual or electric travel
- Freestanding or ceiling mounted cranes.
- Cranes available in stainless steel.

Advantages over I-beam cranes

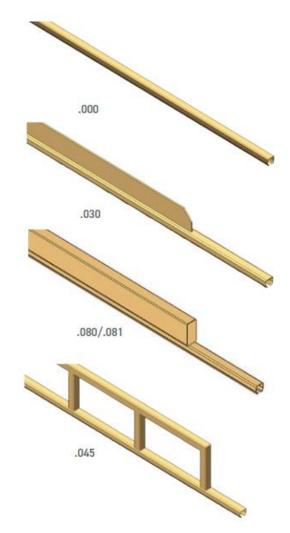
- Small track profiles suitable for lower headroom spaces.
- Rigid construction which allows steadier travel of loads, more accurate load positioning and no crabbing on the bridge travel.
- Meter for meter Niko track profiles are light therefore they inflict a lower dead load on the supporting structure and easier to handle when installing.
- Very low friction which makes it much easier to push the load.
- Less force to move crane, which achieves better movement and increased productivity.
- Enclosed track profile design prevents dust from pilling up and obstructing the rolling of wheels.



Light crane specifications



			Runway
		Bridge	supporting
Capacity	Profile	Length L	distance
(kg)	No.	max (m)	B max (m)
80	23,000	1,50	1,00
	23,030	4,00	3,50
125	24,000	1,80	1,40
	24,030	5,00	4,40
	RL24,080	7,00	6,40
	24,045	9,00	8,00
250	25,000	2,50	1,50
	25,030	6,00	5,20
	RL25,080	8,00	7,00
	25,045	10,00	9,00
500	26,000	2,50	1,50
	26,030	6,00	5,20
	RL26,080	8,00	7,00
	26,045	10,00	9,00
750	26,000	1,80	1,00
	RL26,080	8,00	7,00
	26,045	10,00	9,00
1000	27,000	3,00	2,00
	27,030	6,00	5,00
	RL27,080	8,00	7,00
	27,045	10,00	9,00
1600	27,000	1,50	1,00
	27,030	3,50	2,70
	RL27,080	6,00	5,00
	27,045	10,00	9,00
2000	RL27,080	5,00	4,00
	27,045	10,00	8,00



Light Crane Headroom- we can offer lower headroom than the competition. We can offer a raised headroom system which will allow you to mount the hoist within 100mm of the lowest obstruction. This can be enough to allow the user to walk underneath with no fear of banging their head. Welding the track or flat plate brackets can reduce the headroom even more.



Stainless steel light crane series 304/316

Stainless steel light cranes are necessary in industries where particular contamination must be avoided the series 304 is ideal for food & pharmaceutical industries while the 316 series is indicated for offshore applications and chemical industry.



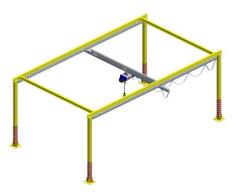
- For loads up to 500kg
- Custom engineered solutions
- Span: up to 9m

Aluminium profile crane

The perfect alternative to every light material handling need!

The light weight and the robust design of our aluminium crane can offer easy installation and a weightless feel of the load during movement. A big advantage of the aluminium system it can be stocked and no fabrication is required. The reinforced sections slot into the existing rail and are secured with bolts. Rails can be cut to the required length and can end caps can still be fitted.

- Low noise level during operation
- High corrosion resistance
- Low dead weight of profiles easier operation
- Suitable for installation in harsh environments.
- For loads 250-1,000kg
- Span: up to 7m.







A-Frame mobile gantries





Profile A frame

- 1 Free running monorail track
- 2 Simple to install, 3-piece assembly
- **3** Comes with a load trolley to suit manual or electric chain hoist
- 4 Lighter weight construction
- 5 Mobile, can be moved to different locations

I-beam A frame

- 1 I-beam runway will take heavier loads
- 2 Simple to install, 3-piece assembly
- 3 Made bespoke to suit the application
- 4 Low maintenance
- 5 Mobile, can be moved to different locations
- Not fixed to one application, the A-frame can be moved to different locations.
- Can be used when there is no space for a permanent structure.
- Fixed or Mobile.
- I-beam or Profile.
- Height to under beam 1000-4000mm.
- Hist travel: Manual, Geared, Electric.
- Nylon or Rubber tyre wheels.
- Material Steel/Stainless steel.
- 250-3,000kg
- Span: 1-6m.





I-Beam Cranes

Articulated I-Beam Cranes Top running Crane Underslung i-beam crane Gantry runway system

- Overhead travelling cranes can move larger loads with a great deal of control.
- Geared travel cranes can move larger loads when a power supply is not available and the load is too heavy for a manual system.
- Indoor and outdoor use.
- Freestanding or ceiling mount options.
- Yellow powder coat finish / galvanised.
- All powered end carriages are inverter driven.
- Radio and pendant control available.
- 250-2,000kgs
- Spans: 2-10m

Jib cranes

Fixed to the floor

Suspension methods:



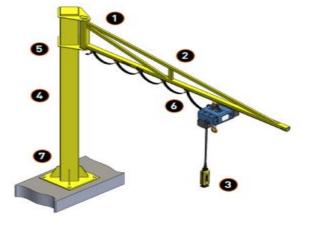
Clamp around column Use existing column or pillar

Wall mounted attached to structure

Overbraced (OB) profile Jib Cranes

- 1. The bracings are located above the track profile
- 2. Arm length up to 6m
- 3. Capacity: up to 1,000kgs
- 4. Colum height up to 5m
- 5. Slewing arc: 270/180°
- 6. Electrical festoon supply runs inside the track
- 7. Zinc plated or powder coated according to requirement.

Maximize space





Under-braced (UB) I-beam jib cranes

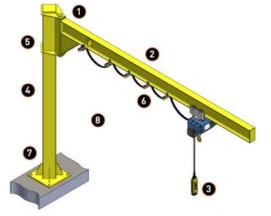
- 1. They are braced below the arm onto the underside of an I-beam
- 2. Arm length: up to 6m
- 3. Capacity: up to 2,000kg
- 4. Column height up to 5m
- 5. Slewing arc: 270/180°
- 6. Electrical festoon supply
- 7. Powder coated finish
- 8. Perfect for low headroom areas

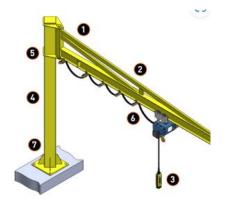
Over-braced (OB) I-beam jib cranes

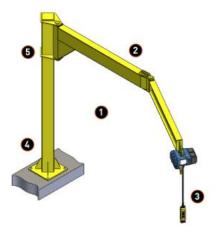
- 1. The bracings are located above I-beam profile
- 2. Arm length: up to 6m
- 3. Capacity: up to 2,000kg
- 4. Column height up to 5m
- 5. Slewing arc: 270/180°
- 6. Electrical festoon supply
- 7. Powder coated finish

Articulated jib cranes

- 1. Position loads in difficult places to reach
- 2. Arm length: up to 3m
- 3. Capacity: up to 500kg
- 4. Powder coat finish
- 5. Slewing arc: 360°







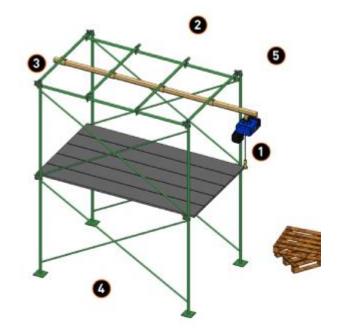


Scaffolding Runway System

Scaffolding runway monorail

- 1. Lifts up to 2,000kg
- 2. Simple to move and relocate
- 3. Connects to 48.3mm scaffolding
- 4. Quick and easy installation
- 5. Modular system

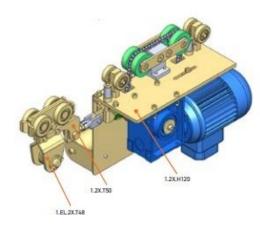
The profile design is light and fast to install, this can be a permanent or temporary installation. Ergonomic material handling with the free running profile tracking. This can be used in tight areas which are not normally accessible with a standard crane. Cantilever off scaffolding to enable goods to be picked up from ground level.



Powered or Manual travel

Manual travel, should always be the default for light crane systems, this takes advantages of the smooth free running characteristics. Differences between manual and powered cranes.

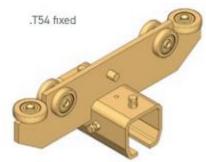
- Manual cranes will move as fast as the user
- Smooth operations, no abrupt braking or ramp up or down on inverters
- Manual systems are a cheaper investment
- Less chance of downtime with fewer electrical parts
- Lower maintenance costs
- Less chance of collision as the user walks with the load When to use powered travel:
 - Moving heavier loads than 1000kg
 - Moving larger loads where the load is difficult to manoeuvre
 - When loads needs to be lifted over obstruction or out of reach of the user.



Bearing Trolleys

Our end carriages and trolleys can be easily equipped with a variety of bearing options, from low temperatures to high, heavy duty polyamide to stainless steel and special environments.

- Low temperature bearings (special grease) for operating temperatures from -45°C to 120°C
- High temperature bearings (special grease) for operating temperatures from -20°C to 260°C
- Nylon tyred bearings
- Heavy duty polyamide thread bearings
- Ammonia resistant bearings for operating temperatures from -15°C to 130°C
- Stainless steel bearings for operating temperatures from -20°C to 80°C
- Phosphor bronze tyres bearing





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Festoon Systems and Conductor bars

Power and operation control can reach the hoist or any other lifting device using festoons or conductor bars (suitable only for power transmission)

Internal Festoon Supply

These require a parking area at the feed end, which decreases the travel distance across the bridge and runways. This can easily be rectified by extending the track end to accommodate the accumulated trolleys.

Parallel track festoon supply This track festoon system is a possible solution for carrying power cables, control cables or hoses to cranes with a maximum of 2 bridges.

Typical Conductor bar arrangement

Conductor bar power supply systems do not require a parking area at the feed end and therefore maximise the travel distance across the bridge and runways. Conductor bar use also enables powering multiple bridges through a single feed point.

Festoon Systems

Simple to install More robust than catenary taut wire cable festoon system Free running in operation High safety factor Low maintenance

Conductor Bars

Unhindered travel length Ability to feed more than 2 machines at same time No limit to system length Quick and easy to install Can be fed from any end or joint Ideal for space constrained areas



Telescopic cantilever crane and monorail

These cover a wider area than the supporting structure permits Telescopic cantilever cranes are also possible, which are often installed in containers, trucks and vans. This facilitates overhead lifting and loading from outside and into the vehicle.

Manipulators / Vacuum lifters

Our compact track profiles are ideal for this type of application. The rigid mounted track is perfect for a manipulator with a offset load, the track will not rock, articulate or crab diagonally.

Tool Suspension

Our rigid track can be utilised for tool suspension applications like suspending tool balancers, air balancers, hoists or other equipment. The track system has a significant advantage especially in the automotive industry where accurate load positioning is essential.

- Perfect for automotive applications
- Your partner in assembly lines
- Rigid construction system allows for steadier travel of loads
- Rigid construction system allows for more accurate load positioning
- With the rigid construction of the system, the likelihood of crabbing on bridge travel is considerably reduced.





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