

Overhead Cranes Specification Sheet

10 to 200 tons on double beam bridges spanning up to 49 metres, in light and winch builds.

Twelve overhead crane specifications from 10 tons through to 200 tons, all built on the same double beam bridge geometry. Light builds cover 5 to 100 tons at 0.4 to 16 m/min; winch builds cover 5 to 360 tons at 0.4 to 20 m/min and handle horizontal pulling as well as lifting. Spans run from 0 to 49 metres with hook heights of 30 or 40 metres, and control is by wireless remote, cab or handheld pendant.

12 products in this category. Every figure below is published on the product pages at trueglowimaging.com/categories/overhead-crane.html

10 Ton Overhead Crane Solution

Double Beam Overhead Crane · Light and winch versions

A 10 ton overhead crane supplied in two builds off the same runway geometry: a light double beam version for steady production lifting, and a winch double beam version for duty cycles that also pull loads sideways. Both span up to 49 metres with a hook height of 30 or 40 metres, and both are driven by a gearbox, motor and frequency converter so the load starts and stops without swing. The light build carries CE and ISO certification.

Specification

Rated Lifting Capacity	10 tons
Light Overhead Range	5 to 100 tons
Winch Overhead Range	5 to 360 tons
Crane Type	Light double beam overhead crane
Core Components	Gearbox, motor, frequency converter
Hoist	European-style electric wire rope hoist
Span Range	0-49 m
Max Lifting Height	30 m / 40 m
Lifting Speed	0.4-16 m/min
Long Travelling Speed	5-90 m/min
Cross Travelling Speed	4-40 m/min
Control Options	Wireless remote, cab control, handheld pendant
Place of Origin	Henan, China
Warranty	1 year
Certifications	CE, ISO

Key benefits

Two Builds at the Same Capacity. Ten tons is the capacity where buyers overspend. The light double beam covers normal production handling; the winch build is only needed where the hook works continuously or pulls as well as lifts. Choosing the right one at enquiry stage is usually worth more than any discount on the wrong one.

Frequency Converter Fitted as Standard. Speed is variable from 0.4 to 16 m/min on the light build rather than single-speed contactor control. Loads land without the pendulum swing that forces a slinger to steady the hook by hand.

Span Confirmed Before Fabrication. Spans run from 0 to 49 metres, so the girder is cut to your runway centres rather than to a catalogue step. Send the rail-to-rail dimension and the clear height under the roof steel and the crane is built to it.

Three Control Formats. Wireless remote, cab control and handheld pendant are all available. Remote suits a shop where the operator needs to see the load from the floor; a cab suits long runways where the operator travels with the crane.

Where it is used

Lifting and moving heavy construction materials on site • Moving raw material and finished product inside manufacturing facilities • Lifting machines and machine components at heavy machinery repair stations • Handling mining materials and mining machinery • Handling heavy equipment and components inside power industry plants • Loading and unloading in warehouses with a fixed runway

15 Ton Crane Solutions

15 Ton Crane Range · Four configurations

Four ways to put 15 tons on a hook, chosen by how wide the bay is and how hard the crane works. A European single girder covers spans to 36 metres and capacities to 16 tons; light and winch double beam overhead cranes cover spans to 49 metres; a gantry crane covers outdoor spans to 50 metres where no runway steel exists. All four share the same control options and the same frequency converter drive.

Specification

Rated Lifting Capacity	15 tons
Light Overhead Range	5 to 100 tons
Winch Overhead Range	5 to 360 tons
European Single Girder	Up to 16 tons, span up to 36 m, 0.4-16 m/min
Light Overhead	5 to 100 tons, span 0-49 m, 0.4-16 m/min
Winch Overhead	5 to 360 tons, span 0-49 m, 0.4-20 m/min
Gantry Crane	Up to 320 tons, span up to 50 m, 0.4-16 m/min
Control Options	Wireless remote, cab control, handheld
Certifications	CE, ISO

Key benefits

Single Girder Where the Building Allows It. Up to 16 tons and 36 metres of span, a European single girder does the work of a double beam with less dead weight on the runway. On an existing building that is often the difference between reusing the steel and rebuilding it.

Gantry Option for Yards With No Runway. Where the lift happens outdoors or in a leased shed, the 15 ton duty can be carried on a gantry spanning up to 50 metres instead of on building steel that does not exist.

One Speed Range Across the Family. Lifting speed is 0.4-16 m/min on the single girder, light overhead and gantry builds, and 0.4-20 m/min on the winch build. Operators moving between cranes in the same plant see the same behaviour.

Capacity Headroom Without a New Frame. The light overhead frame family is rated 5 to 100 tons and the winch family 5 to 360 tons. If the duty grows after installation, the upgrade path is inside the same design rather than a new crane.

Where it is used

Shipbuilding yards handling sections and sub-assemblies • Mining operations moving machinery and bulk material • Power plants handling turbines, transformers and spare components • Steel plants and general manufacturing moving stock between stations • General construction sites lifting materials into position • Port and outdoor warehouse operations where a gantry replaces a runway

20 Ton Overhead Crane Solution

20 Ton Crane Range · Three configurations

Three 20 ton builds for indoor bays and outdoor yards. The light 20 ton overhead crane handles general industrial lifting with a gearbox, motor and frequency converter for controlled load movement, spanning up to 49 metres with 30 to 40 metres of hook height. The winch build is for plants that lift and pull frequently and can be specified anywhere from 5 to 360 tons. The gantry version puts the same duty over an outdoor warehouse, railroad or construction site.

Specification

Rated Lifting Capacity	20 tons
Light Overhead Range	5 to 100 tons
Winch Overhead Range	5 to 360 tons
Crane Type	Light double beam overhead crane
Core Components	Gearbox, motor, frequency converter
Hoist	European-style electric wire rope hoist
Span Range	0-49 m
Max Lifting Height	30 m / 40 m
Lifting Speed	0.4-16 m/min
Long Travelling Speed	5-90 m/min

Cross Travelling Speed	4-40 m/min
Control Options	Wireless remote, cab control, handheld pendant
Place of Origin	Henan, China
Warranty	1 year
Certifications	CE, ISO

Key benefits

Indoor and Outdoor Covered by One Enquiry. Rather than quoting a crane and then discovering the lift happens in the yard, the overhead and gantry options are priced against the same duty so the site decides the build.

Smooth Precise Load Control. The gearbox, motor and frequency converter combination is fitted so a 20 ton load can be inched into position rather than dropped onto it. That matters most on machine installation and die changes.

Customisable Well Beyond 20 Tons. The winch build is customisable from 5 up to 360 tons on the same design family, so a plant expecting heavier work later is not buying a dead end.

Full Span and Height Range. Up to 49 metres of span and 30 to 40 metres of indoor lifting height covers almost any single-bay industrial building without a special design.

Where it is used

Outdoor warehouse handling where no overhead runway exists • Railroad yards moving rolling stock components and track material • Construction sites lifting and positioning heavy sections • Mining sites lifting heavy machinery, equipment and materials • Light industrial production bays with regular 20 ton lifts • Frequent lifting and pulling duty in heavy manufacturing

30 Ton Overhead Crane Solution

30 Ton Crane Range · Three configurations

A 30 ton crane specified as light overhead, winch overhead or gantry. Light overhead covers 5 to 100 tons at 0-49 metres span with 30 or 40 metres of lift at 0.4-16 m/min. Winch overhead covers 5 to 360 tons at 0.4-20 m/min for heavy-duty construction and large hoisting. The gantry build reaches up to 320 tons over spans to 50 metres and is the version used for subway construction, outdoor warehouses and railroads.

Specification

Rated Lifting Capacity	30 tons
Light Overhead Range	5 to 100 tons
Winch Overhead Range	5 to 360 tons
Crane Type	Light double beam overhead crane
Core Components	Gearbox, motor, frequency converter
Hoist	European-style electric wire rope hoist
Span Range	0-49 m
Max Lifting Height	30 m / 40 m
Lifting Speed	0.4-16 m/min
Long Travelling Speed	5-90 m/min
Cross Travelling Speed	4-40 m/min
Control Options	Wireless remote, cab control, handheld pendant
Place of Origin	Henan, China
Warranty	1 year
Certifications	CE, ISO

Key benefits

Published Speed Figures for Each Build. Lifting at 0.4-16 m/min on the light and gantry builds and 0.4-20 m/min on the winch build. Cycle time can be calculated before the order rather than discovered after commissioning.

Driver Room or Remote on the Gantry. The gantry version is supplied with a driver room or remote control. On long outdoor runs a driver room keeps the operator with the load instead of walking the yard.

One Family From 5 to 360 Tons. The same two overhead designs cover the whole range, so a 30 ton crane bought now shares parts and controls with heavier cranes added later.

Hook Height Fixed at 30 or 40 Metres. Two defined lift heights rather than an open variable keeps the rope drum, hoist and electrical selection standard, which shortens the build.

Where it is used

Subway and tunnel construction lifting segments and equipment • Outdoor warehouses stacking and retrieving heavy stock • Railroad yards handling track components and rolling stock • Heavy-duty construction hoisting on large sites • Light industrial use and construction hoist duty inside a bay • Large hoisting operations in heavy manufacturing

40 Ton Overhead Crane

40 Ton Crane Range · Three configurations

Forty ton overhead cranes, winch cranes and gantry cranes for construction, outdoor warehouse and railroad work. The three builds differ in lifting capacity range, span and lifting speed rather than in control philosophy: light overhead 5 to 100 tons at 0.4-16 m/min, winch overhead 5 to 360 tons at 0.4-20 m/min, and a gantry to 320 tons over spans up to 50 metres. Hook height is 30 or 40 metres on the overhead builds.

Specification

Rated Lifting Capacity	40 tons
Light Overhead Range	5 to 100 tons
Winch Overhead Range	5 to 360 tons
Crane Type	Winch double beam overhead crane
Core Components	Gearbox, motor, frequency converter
Span Range	0-49 m
Max Lifting Height	30 m / 40 m
Lifting Speed	0.4-20 m/min
Long Travelling Speed	5-90 m/min
Cross Travelling Speed	4-40 m/min
Control Options	Wireless remote, cab control, handheld pendant
Place of Origin	Henan, China
Warranty	1 year
Certifications	CE, ISO

Key benefits

Reference Specifications Published Per Build. Capacity range, maximum span, maximum lifting height, lifting speed, control options and applications are listed for each of the three builds, so a 40 ton enquiry can be compared line by line.

Span to 49 Metres on the Overhead Builds. At 40 tons the girder design is the cost driver. Being able to cut anywhere inside 0 to 49 metres avoids paying for an oversized standard span.

Gantry Reach for Railroad and Yard Work. Railroad and outdoor projects are named applications. The gantry build spans to 50 metres and lifts to 40 metres without any runway.

Same Control Set Across All Three. Wireless remote, cab control and handheld on every build keeps operator training and spare controllers common across a mixed fleet.

Where it is used

Construction projects lifting heavy sections into place • Outdoor warehouse operations handling stored heavy goods • Railroad projects handling track and rolling stock components • Manufacturing plants moving large assemblies between stations • Heavy-duty hoisting where the crane runs most of the shift • Light industrial lifting duty inside an existing bay

50 Ton Overhead Crane

50 Ton Double Beam Overhead Crane · Light and winch versions

A 50 ton overhead crane in light and winch double beam builds, both using a gearbox, motor and frequency converter and both built in Henan, China with a one year warranty. The light build lifts 10 to 100 tons and the winch build 10 to 360 tons, each

spanning 0 to 49 metres with a maximum lifting height of 30 or 40 metres. Crane weight is 5000 kg. Both are bridge cranes and both accept customisation to the project.

Specification

Rated Lifting Capacity	50 tons
Light Build Lifting Load	10 to 100 tons
Winch Build Lifting Load	10 to 360 tons
Crane Feature	Bridge crane
Core Components	Gearbox, motor, frequency converter
Span Range	0-49 m
Max Lifting Height	30 m / 40 m
Weight	5000 kg
Place of Origin	Henan, China
Warranty	1 year

Key benefits

Identical Core Components in Both Builds. Gearbox, motor and frequency converter are the same on the light and winch versions, so the difference in price is the drive and structure rather than the quality of the mechanics.

Capacity Range Above the Nameplate. A 50 ton duty sits in the middle of the 10 to 100 ton light range and the 10 to 360 ton winch range. Neither build is running at its structural limit at 50 tons.

Warranty and Origin Stated. One year warranty, built in Henan, China. Both appear on the specification rather than being left to the negotiation.

Customisation Inside a Fixed Envelope. Span, hook height and control format are configurable while the core drive train stays standard, which keeps delivery predictable.

Where it is used

Construction sites requiring certified heavy-load lifting • Outdoor and indoor warehouses handling heavy stock • Railroad projects moving heavy components • Industrial plants installing and servicing large machinery • Steel and metal handling between process stations • Shipyard and marine component handling

100 Ton Overhead Crane

100 Ton Double Beam Overhead Crane · Light and winch versions

Two 100 ton builds for heavy manufacturing, shipbuilding, aerospace, metal and mining, power generation and transport. The light double beam version lifts 5 to 100 tons with a maximum span of 49 metres and a lifting height range of 30 to 40 metres, driven by a high-efficiency gearbox, motor and frequency converter for smooth, safe and stable operation. The winch version extends the same geometry to heavier and more continuous duty.

Specification

Rated Lifting Capacity	100 tons
Light Overhead Range	5 to 100 tons
Winch Overhead Range	5 to 360 tons
Crane Type	Light double beam overhead crane
Core Components	Gearbox, motor, frequency converter
Hoist	European-style electric wire rope hoist
Span Range	0-49 m
Max Lifting Height	30 m / 40 m
Lifting Speed	0.4-16 m/min
Long Travelling Speed	5-90 m/min
Cross Travelling Speed	4-40 m/min
Control Options	Wireless remote, cab control, handheld pendant
Place of Origin	Henan, China

Warranty	1 year
Certifications	CE, ISO

Key benefits

Top of the Light Build Range. One hundred tons is the ceiling of the light double beam family. Buying at the top of a proven range rather than the bottom of a heavier one usually gives the better price per ton lifted.

Stable Operation at Full Load. The frequency converter is what keeps a 100 ton load from swinging at start and stop. On aerospace and shipbuilding work that stability is the point of the crane.

Span to 49 Metres at Full Capacity. The maximum span does not reduce as capacity rises through the range, so a wide bay can still be covered at 100 tons.

Customisable to the Handling Space. Span, hook height and control are set to the building. The crane is designed around the bay rather than the bay cleared for the crane.

Where it is used

Shipbuilding yards lifting hull sections and machinery • Aerospace manufacturing handling large tooling and assemblies • Metal and mining plants moving heavy process equipment • Power generation plants installing and servicing turbines and generators • Transport and logistics terminals handling outsized freight • Heavy manufacturing moving large fabricated assemblies

150 Ton Crane Solution

Winch 150 Ton Crane · CE and ISO certified

A CE and ISO certified winch crane for 150 ton duty, built with a double beam, a bridge design and a European-style electric wire rope hoist. It is customisable from 5 up to 360 tons for projects that need more lifting and horizontal movement, spans up to 49 metres and reaches a lifting height of 30 or 40 metres. It is specified for construction, heavy manufacturing, shipbuilding, aerospace, metal and mining, power generation and transport projects.

Specification

Rated Lifting Capacity	150 tons
Winch Overhead Range	5 to 360 tons
Crane Type	Winch double beam overhead crane
Core Components	Gearbox, motor, frequency converter
Span Range	0-49 m
Max Lifting Height	30 m / 40 m
Lifting Speed	0.4-20 m/min
Long Travelling Speed	5-90 m/min
Cross Travelling Speed	4-40 m/min
Control Options	Wireless remote, cab control, handheld pendant
Place of Origin	Henan, China
Warranty	1 year
Certifications	CE, ISO

Key benefits

Certification at Heavy Capacity. CE and ISO certification on a 150 ton crane is what site insurers and main contractors ask for first. It is part of this build rather than an option.

European-Style Wire Rope Hoist. A European-style hoist is more compact than a conventional one, which recovers hook approach and therefore usable lifting height inside a fixed building.

Headroom to 360 Tons. The same design is customisable to 360 tons. A plant planning heavier lifts within the crane's life is not buying a ceiling.

Stable Under Horizontal Pull. The winch and bridge combination is specified for lifting plus horizontal movement, not lifting alone, which is the failure point of lighter builds at this capacity.

Where it is used

Shipbuilding handling large hull sections • Aerospace manufacturing lifting large assemblies and tooling • Heavy manufacturing moving fabricated structures • Metal and mining plants handling process equipment • Power generation installing and servicing heavy plant • Transport and logistics moving outsized freight

200 Ton Crane Solution

ZLK Winch Double Beam Overhead Crane · CE and ISO certified

A 200 ton winch double beam overhead crane for construction, heavy manufacturing, shipbuilding, aerospace, metal and mining, power generation and transport work. Lifting load is 100 to 360 tons over a span range of 0 to 49 metres, with a maximum lifting height of 30 or 40 metres, lifting speed 0.4-20 m/min, long travelling 5-90 m/min and cross travelling 4-40 m/min. Core components are a gearbox, motor and frequency converter, with a European-style electric wire rope hoist. Built in Henan, China with CE and ISO certification and a one year warranty.

Specification

Product Name	Winch Double Beam Overhead Crane
Lifting Load	100 to 360 tons
Core Components	Gearbox, motor, frequency converter
Crane Feature	Bridge crane
Span Range	0-49 m
Max Lifting Height	30 m / 40 m
Lifting Speed	0.4-20 m/min
Long Travelling Speed	5-90 m/min
Cross Travelling Speed	4-40 m/min
Hoist	European-style electric wire rope hoist
Control Options	Wireless remote control, cab control, handheld control
Weight	5000 kg
Place of Origin	Henan, China
Warranty	1 year
Certifications	CE, ISO

Key benefits

Full Motion Data Published. Lifting 0.4-20 m/min, long travelling 5-90 m/min and cross travelling 4-40 m/min are all stated, so a handling cycle at 200 tons can be timed on paper before the order.

Sized From 100 Tons Upward. This frame is rated 100 to 360 tons. A 200 ton duty sits in the middle of the range rather than at the edge of a lighter design.

Three Control Formats at Heavy Capacity. Wireless remote control, cab control and handheld control are all offered, so the operating position can follow the application rather than the crane.

Certification and Warranty on Record. CE and ISO certification with a one year warranty and a declared place of origin in Henan, China.

Where it is used

Shipbuilding handling major hull blocks • Power generation installing turbines, generators and transformers • Metal and mining plants moving furnaces and process equipment • Aerospace facilities lifting large tooling and structures • Heavy manufacturing handling complete fabricated assemblies • Transport and logistics moving project cargo

Double Girder Overhead Crane

Double Girder Overhead Crane · Light and heavy-duty builds

Double girder overhead cranes supplied in capacities of 5, 10, 15, 20, 30, 50, 100, 150 and 200 tons and above. Two builds cover the range: a light double girder crane customisable to 100 tons for medium-capacity indoor handling, and a heavy-duty build for projects that lift and pull. Spans reach 49 metres with lifting heights to 40 metres, long travelling to 90 m/min and cross travelling to 40 m/min.

Specification

Available Capacities	5, 10, 15, 20, 30, 50, 100, 150, 200 tons and above
Light Build Customisable To	100 tons
Span Range	Up to 49 m
Max Lifting Height	Up to 40 m
Long Travelling Speed	Up to 90 m/min
Cross Travelling Speed	Up to 40 m/min
Girder Arrangement	Double girder, top-running trolley

Key benefits

Nine Capacity Steps From One Design. 5, 10, 15, 20, 30, 50, 100, 150 and 200 tons come off the same double girder family. A plant standardising its crane fleet buys one design and one spares list across every bay.

Hook Height Recovered by the Girder Layout. A double girder carries the trolley on top of the beams instead of under them, which is what gives the extra lifting height in a building of fixed clear height.

Travel Speeds That Suit Long Bays. Long travelling up to 90 m/min moves the crane down a long bay quickly between lifts, which is where cycle time is usually lost.

Customisable to 100 Tons on the Light Build. The light double girder crane covers medium-capacity work and is customisable up to 100 tons, so one build serves most general manufacturing duty.

Where it is used

Indoor industrial facilities lifting and moving medium to heavy loads • Machine shops handling weldments, moulds and machine beds • Steel service centres moving coil and plate between stations • Assembly halls lifting large sub-assemblies onto the line • Maintenance bays lifting equipment for overhaul • Heavy-duty projects requiring both lifting and pulling

Electric Hoist Cranes

Electric Hoist Crane • Single-girder and double-girder

Electric hoist cranes custom-built for lifting duties from aerospace to energy. Two arrangements are offered: a single-girder crane where one beam supports the hoist, and a double-girder crane where two beams share the load and allow capacities up to 600 tons. Both are designed to shorten cycle times and reduce manual handling in manufacturing, assembly, shipyard, warehousing, storage, construction and steel plant environments.

Specification

Single-Girder	A single beam supports the hoist
Double-Girder	Two beams give more support, allowing loads up to 600 tons
Manufacturing Duty	Lift raw materials, machinery and heavy factory equipment
Assembly Lines	Transport parts and components between stations
Shipyards	Containers and marine industry components
Warehousing	Streamline the processing of heavy inventory
Construction	Lift and position building materials, beams, machines and parts
Build	Custom-built to the application

Key benefits

600 Tons Available on the Double-Girder Build. Two beams give more support than one, which is what allows loads up to 600 tons. A single-girder crane cannot be uprated into that range whatever hoist is fitted.

Built Around the Application. These cranes are custom-built rather than selected from a catalogue, so the hoist, span and controls follow the lifting task instead of the other way round.

Faster Cycles With Less Manual Effort. The stated design intent is faster cycle times and minimal manual effort. In assembly and warehousing that shows up as fewer people on the floor per load moved.

One Supplier Across Seven Industries. Manufacturing, assembly lines, shipyards, warehousing, storage, construction and steel and metal all use the same crane family, so a multi-site buyer standardises once.

Where it is used

Manufacturing plants lifting raw material, machinery and factory equipment • Assembly lines transporting parts and components between stations • Shipyards handling containers and marine components • Warehousing operations processing heavy inventory • Storage areas stacking products with less reliance on manual labour • Construction sites lifting and positioning building materials, beams, machines and parts • Steel mills and fabrication plants assisting casting operations

EOT Crane

Electric Overhead Travelling Crane · ISO 9001:2015, ISO 14001, ISO 45001:2018, CE

Electric overhead travelling cranes, also called bridge cranes, that run along a fixed runway with a hoist moving horizontally and vertically along the bridge. Four arrangements are built: single-girder, double-girder, top-running and under-slung. Every EOT crane meets or exceeds international safety standards including ISO 9001:2015, ISO 14001, ISO 45001:2018 and CE, and the design draws on German engineering practice.

Specification

Crane Type	Electric overhead travelling crane, bridge crane
Girder Arrangements	Single-girder, double-girder
Runway Arrangements	Top-running, under-slung
Motion	Bridge travels along a fixed runway, hoist moves horizontally and vertically
Quality Standard	ISO 9001:2015
Environmental Standard	ISO 14001
Safety Standard	ISO 45001:2018
Conformity	CE
Intended Duty	High-duty-cycle environments

Key benefits

Four Certifications Not One. ISO 9001:2015 for quality, ISO 14001 for environmental management, ISO 45001:2018 for occupational health and safety, and CE. Buyers who have to satisfy a corporate audit usually need all four, not just a CE mark.

Four Arrangements From One Supplier. Single-girder, double-girder, top-running and under-slung are all built here, so the arrangement follows the building rather than the supplier's preferred product.

Suited to High Duty Cycles. The design is intended for high-duty-cycle environments such as shipping, steel and metal manufacturing and large-scale assembly lines, where a light crane would wear out.

Under-Slung Option for Difficult Buildings. Where the roof steel cannot take a top-running runway, an under-slung crane hangs from the existing structure instead, which often avoids a structural rebuild.

Where it is used

Shipping operations handling containers and heavy freight • Steel and metal manufacturing plants on continuous duty • Large-scale assembly lines transferring components • Machine shops with a fixed runway and regular lifts • Warehouses handling heavy unit loads • Maintenance bays overhauling large equipment

How To Enquire

Send the process rather than a model number: capacity or flow rate, the product being handled, the container format where relevant, and the utilities already on site. WhatsApp +86 150 5517 9418 or email sales@trueglowimaging.com.

Minimum order is one unit on the process, packaging, utility and crane ranges. Machined, fabricated and moulded parts are quoted from single pieces upward.