




OVERHEAD BRIDGE CRANES

TOP & UNDER RUNNING
SINGLE & DOUBLE GIRDER

 **Hydramach**
Overhead Crane
WWW.HYDRAMACHCRANE.COM

BUILT WITH INTEGRITY



Let us share our wealth of knowledge accumulated over three decades.

We have equipped the material handling industry across North America with some of the most resilient cranes and crane products the market has to offer. By building durable overhead cranes and furnishing them with only premium crane components, Hydramach has built a reputation second to none.

BRIDGE CRANES

TOP RUNNING SINGLE GIRDER



The most common type of overhead bridge crane, it covers a wide range of standard applications with spans up to about 60ft and capacities up to about 20 tons.



YOUR BENEFITS

Top running cranes when paired with low headroom hoist offer a cost effective solution to maximize your headroom.



TWIN 5 TON TOP RUNNING SINGLE GIRDER



COPED BEAM - LOW PROFILE
 Coping the beam so that it sits in the channel of the endtruck instead of on top can help increase headroom and maximize working area.



BOLT-ON CONNECTIONS
 Having bolt-on connections from the endtruck to the beam allows for easy installation in tight spaces.



TWIN 10 TON TOP RUNNING FREESTANDING CRANE

OUR MARKETS

- ALUMINUM
- AUTOMOTIVE
- AVIATION
- FORESTRY
- MINING
- MANUFACTURING
- OIL & GAS
- ROBOTICS & AUTOMATION
- STEEL



BRIDGE CRANES

UNDER RUNNING SINGLE GIRDER

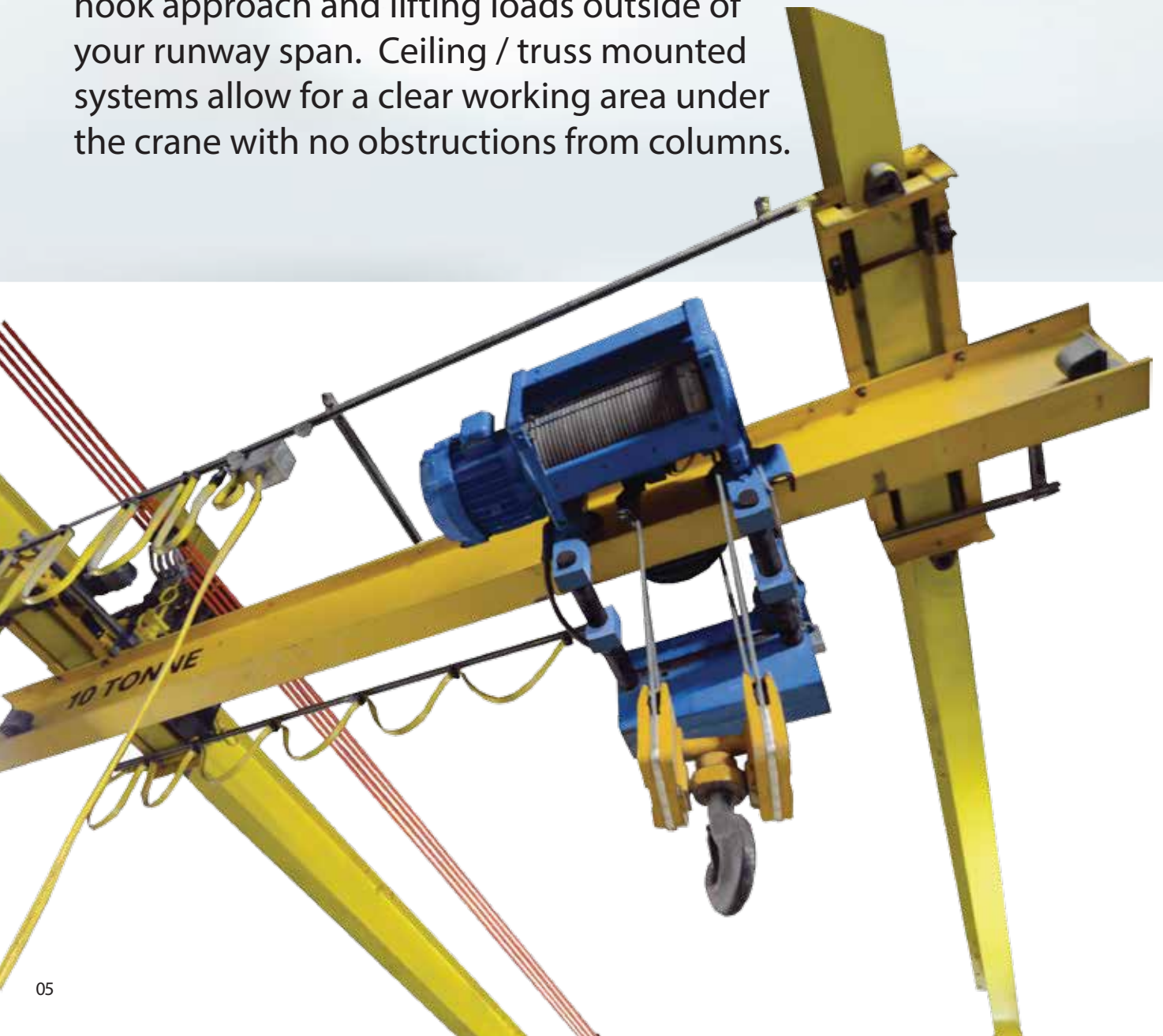


**BUILT
TO LAST**

YOUR BENEFITS

With the crane positioned under the runways, the hoist can move freely to each end of the girder lifting and lowering loads directly under the runways and even cantilevered outside of them maximizing your working area.

Under running cranes are an ideal solution for maximizing hook approach and lifting loads outside of your runway span. Ceiling / truss mounted systems allow for a clear working area under the crane with no obstructions from columns.





UNDER RUNNING COIL CARRYING CRANE



CUSTOM UNDER RUNNING SYSTEMS

Load and unload materials with ease from inside to out with a cantilevered under running designed specifically to your space and tailored to your lifting and handling needs.



10 TONNE GOLD MINE CRANE IN NORTHERN QUEBEC

LITE RAIL SYSTEMS

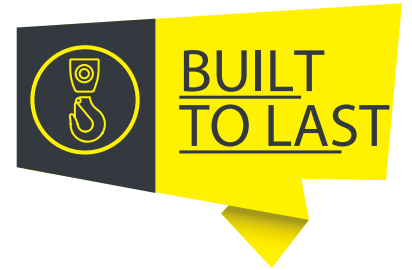
For smaller capacity cranes up to 2 tons the lite rail systems with hollow profiles offer a modular design, lightweight construction, flexibility, dust protection and simple installation.

Our online design program offers quick quotes, drawings and material lists for your next crane estimate.



BRIDGE CRANES

DOUBLE GIRDER ULTRA LOW HEADROOM



Used in longer spans with heavier capacities but also a great choice when headroom is critical as you can sink the hoist inside (between) the girders as per our Ultra Low Headroom Top and Under Running designs.



YOUR BENEFITS

- Capacities up to 50 tons
- Span up to 100 ft
- Ultra low headroom design

Aux Hoist - On heavier cranes adding a lower capacity auxiliary hoist is a great way to handle the smaller day to day lifting quickly and efficiently.



15 TON TOP RUNNING SINGLE GIRDER



LOW HEADROOM TOP RUNNING
 Take advantage of our ultra low headroom top running trolley design where the hoist body sits inside (between) the double girders utilizing maximum headroom.



CUSTOM DG TROLLEYS
 Replacing an existing top running hoist? We can help. Send us your DG gauge and headroom requirements and we will build you a hoist and trolley combo to match.



RUNWAYS & STRUCTURAL

Trust Hydramach to provide you with turn key solutions from the ground up.

Top running, under running, tied back or freestanding, every single runway and support system built by Hydramach is designed around your specific material handling needs.

From initial survey to commissioning the finished crane, indoors and outdoors, our team will be there from start to finish.



BRIDGE CRANES

COMPONENTS



WIRE ROPE HOISTS

Rugged electric wire rope hoist built to last! Whether on your shop crane or one kilometre underground in a Northern Canadian mine, our rope hoist are built to ensure a long life even under the most rigorous usage.

Low headroom underslung, top running and ULTRA low head room models available in stock.

Available in 230/460 & 575/3/60Hz
Available in true vertical lift 4/2-1



GIS CHAIN HOISTS

Swiss precision and advanced manufacturing procedures make GIS chain hoist unlike any other on the market.

80kg-5,000kg in upper lug, upper hook, push trolley and motorized trolley configurations.

Available in 230/460 & 575V/3/60
Single phase 110V /1 / 60Hz



END TRUCKS

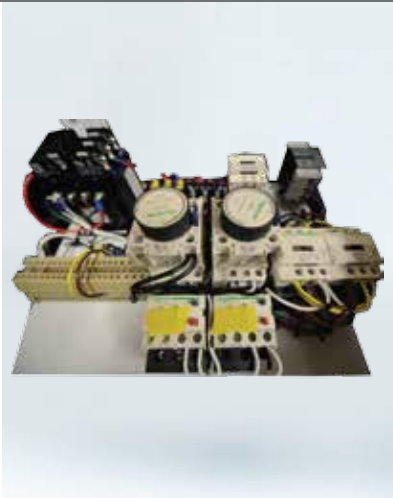
Rugged hannel design, anti derailing end plates, anti-drop stops, high strenght ductile iron cast wheels and a wide variety of motor configurations both top and under running endtrucks are designed to exceed.

Expect precision accuracy with a Hydramach endtruck.



CRANE WHEELS

Hydramach manufactures single and double flange plain or precision geared crane wheels. High strength ductile iron casting designed for long life and durability. Deep grooved and sheilded ball bearings. Spark resistant bronze wheels available.



ELECTRICAL PANELS

Take advantage of the wide variety of variable speed, multi-speed and custom designed panels at Hydramach. Minimum NEMA 4-rated.

All motions have mechanical interlocks and are complete with adjustable overloads. High quality Schneider components.



FESTOON SYSTEMS

Flat cable that is specifically designed for festooning applications to absolutely minimize bending. All conductors are totally enclosed in a tough, flexible yellow PVC jacket. There are no moving contacts, no exposed metal surfaces and no ungrounded metal parts.



POWER BAR SYSTEMS

Our insulated conductor bar system will stand the test of time. Manufactured from galvanized steel or electrolytic copper these systems are amply sized and proportioned to carry the specific current without overheating. Common V or universal 8 bar in 90A and 110A ranges.



PENDANTS & RADIO REMOTES

Hydramach carries pendants and radio remote control systems from the leading manufacturing giants including Siemens and Telemecanique.

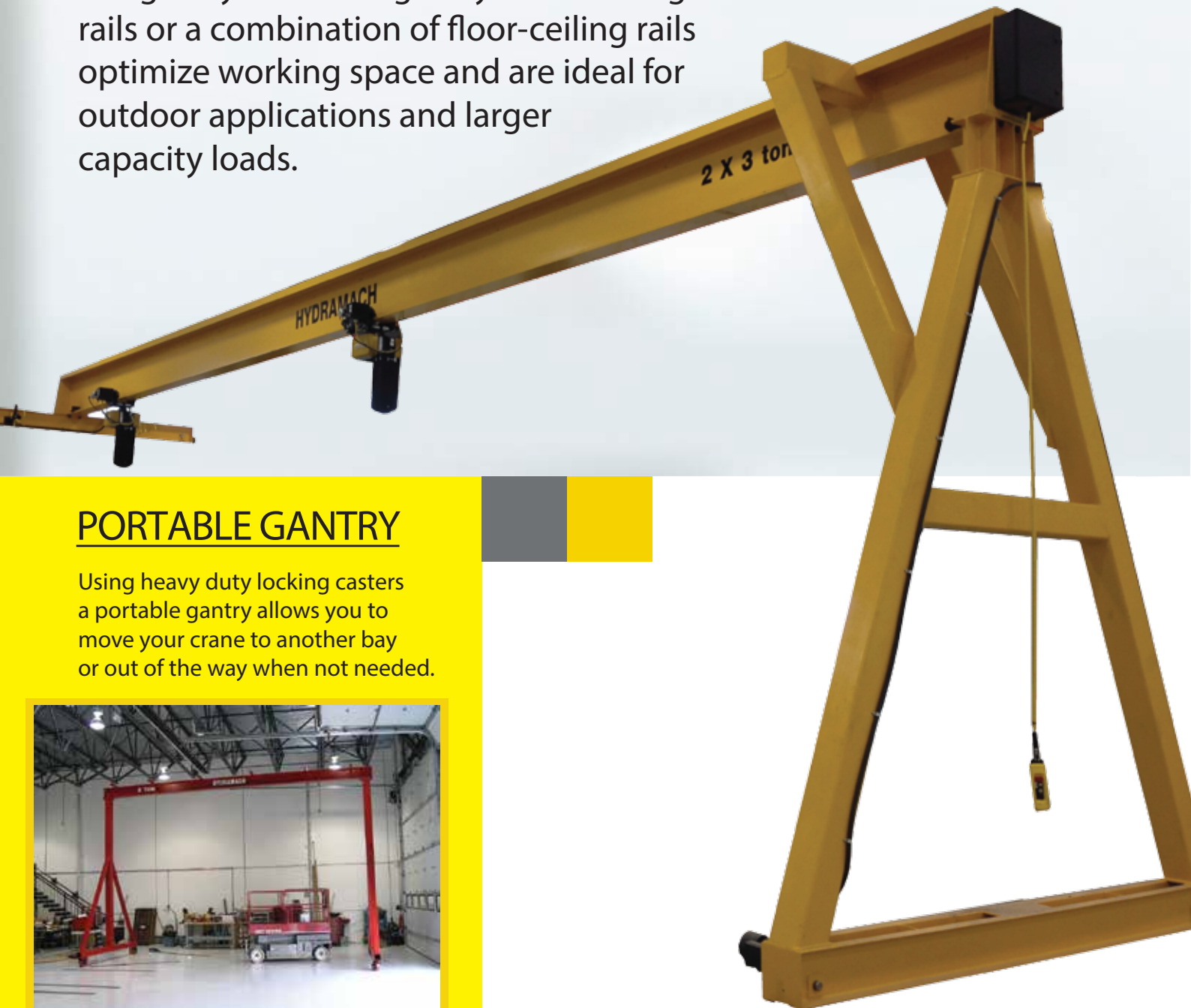
Also available is the GIS line of push button stations in several different button configurations.

GANTRY CRANES

FULL, SEMI & PORTABLE GANTRY CRANES



Full gantry and semi-gantry cranes using floor mounted rails or a combination of floor-ceiling rails optimize working space and are ideal for outdoor applications and larger capacity loads.



PORTABLE GANTRY

Using heavy duty locking casters a portable gantry allows you to move your crane to another bay or out of the way when not needed.



BRIDGE CRANES

FREESTANDING SYSTEMS



**BUILT
TO LAST**

YOUR BENEFITS

Moving to a new shop?
Expanding your current facility?
A Hydramach freestanding system allows you to easily add a few columns and lengthen your runways, increasing the working area or take the entire system with you to your new facility!

Not having to tie into the building structurally, our freestanding systems gives you the freedom to put up an entire crane, with runways and stand alone columns with minimal previsions.

From design and engineering, to manufacturing and installation a Hydramach freestanding crane system provides a turn key solution from the ground up.



INSTALLATION & COMMISSIONING

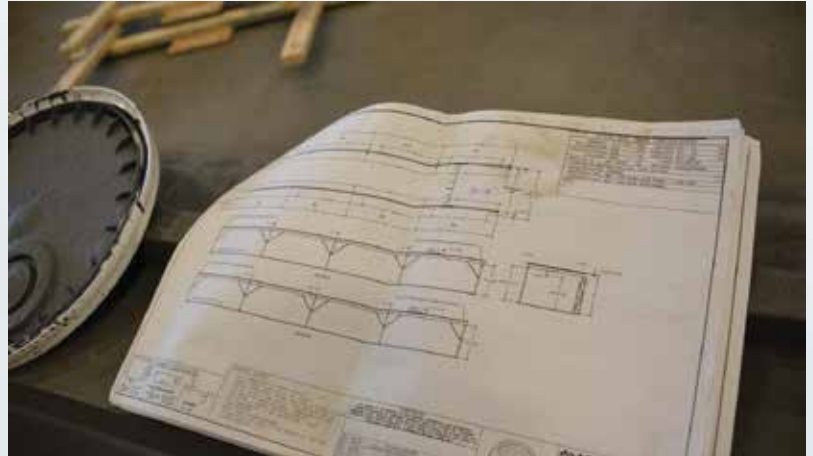


10 ton FREESTANDING SYTEM - Days 1 & 2



DAY 1 - Having completed the foundational work a few days prior and with the anchor bolts settled, we were ready to accept and offload the structural columns and rails which consisted of 400 linear feet of runways (200ft runs), 8 columns and cross bracing to match.

DAY 2 - We adjust the anchor nuts to level and started to position the columns in place quickly followed by the runways using the mobile crane.



THE SPECS

Structure Type – Freestanding
Crane Type – Top Running
Single Girder [TR SG]
Capacity - 10 tons
Span – 31'-0"
Lifting height – 20'-0"
Runway length – 200'-0"
Features – radio remote controls
Location – Pitt Meadows,
British Columbia, Canada



INSTALLATION & COMMISSIONING



10 ton FREESTANDING SYTEM - Days 3 & 4



DAY 3 - We cross braced the columns on either side and then adjusted the anchor bolt nuts again to level. Spanning the crane was next at each column. Once all was exactly leveled and spanned, we tied the runways back by welding them in place.

DAY 4 - We put up the last of the bar and welded the end stops in place. Offloaded the crane from the truck and lifted into position on the runways using the mobile crane, with guidance by our technician in the scissor lift.

TWIN 10 TON TOP RUNNING FREESTANDING CRANE



VIDEO - TIME LAPSE

Watch the entire build from start to finish on our website through 4 days of time-lapse video - www.hydramachcrane.com



INSTALLATION & COMMISSIONING



10 ton FREESTANDING SYTEM - Final Day



DAY 5 - Tested all the components of the crane, recorded and commissioned for use.



BUILT WITH INTEGRITY

We take pride in knowing that we are able to take a regular warehouse space and transform it into a three dimensiona[n]l working area so that our customers can take full advantage of their building and utilize every square foot.





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Overhead Bridge Cranes

Hydramach Overhead Crane manufactures a wide variety of overhead cranes. Single and double girder, top and under running, and motorized and hand geared. Combined with a wide capacity and span range, a multitude of possibilities are available - just about everything you will need for your next overhead crane project.

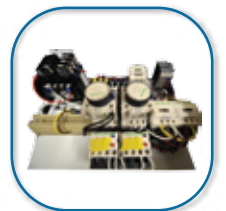
Hoists & Crane Components

We have equipped the material handling industry across Canada with some of the most resilient cranes and crane products the market has to offer. By building durable overhead cranes and furnishing them with only premium crane components available, Hydramach has built a reputation second to none.

Structural & Steel Work

Top running, under running, tied back or freestanding, every single runway and support system built by Hydramach is designed around your specific material handling needs and is backed by our satisfaction guarantee. From initial survey to commissioning the crane our team will be there from start to finish.

Hydramach Overhead Crane Inc – From single flanged travel wheels to double girder top running 50T overhead crane kits, Hydramach eager to fulfill all your lifting and handling needs. Our reputation might bring you here, but our high quality products, competitive pricing and dedication to customer service will bring you back time and time again.



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Built with Integrity