

Explosion Proof Cranes

Design • Manufacture • Install



J. BARNESLEY
Cranes Limited

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J.Barnsley Cranes Ltd manufacture explosion-proof overhead cranes for the oil, gas, power generation, water treatment, pharmaceutical and chemical industries worldwide.

The company has particular expertise in manufacturing explosion-proof overhead cranes and equipment for hostile environments.



www.jbarnsleycranes.com



Single Girder Overhead Bridge Cranes

Our **single girder cranes** have a capacity range from 1 Tonne to 20 Tonnes with spans upto 20m.

Standards

Our cranes are designed and manufactured in accordance with the following standards;

- BS:466 1984/BS 2573 1983, Part 1 and 1980 Part 2
- DIN 1508 H2 B3. & FEM
- Supply of Machinery (Safety) Regulations, 1992 (S.I. 1992/3073)

Category

- 2 G - according to 94/9/EC (ATEX 100a & 95)

Area classifications

- Ex de IIA/IIB/IIC T3/T4. & Ex denA IIIA/IB/IIC T3.

The crane coverage area can be utilized to its full extent by space-saving construction enabling roof height to be lowered. The design permits rational and cost-effective material flow solutions even in low ceilinged or small buildings.



Single Girder Overhead Suspension Cranes

Single girder suspension cranes require a minimum of space and are utilised on offshore platforms for example where space is very much at a premium. The crane runs on the lower flange of the runway which is usually fixed to the ceiling achieving maximum

utilisation of the building width. The minimum clearance between the load hook and the side wall is lower than on any other design of crane. The headroom is also very low. Capacities range from 1 Tonne to 15 Tonnes upto spans of 15m.

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Double Girder Overhead Bridge Crane

Double girder overhead bridge cranes are available up to 150 Tonnes with spans up to 32m. Large bulky loads can be handled extremely safely and accurately. The highest hook position on a double girder

crane is particularly advantageous. The load hook can be raised between the crane bridge girders if required. Additional features are also available such as maintenance platforms with access gates.

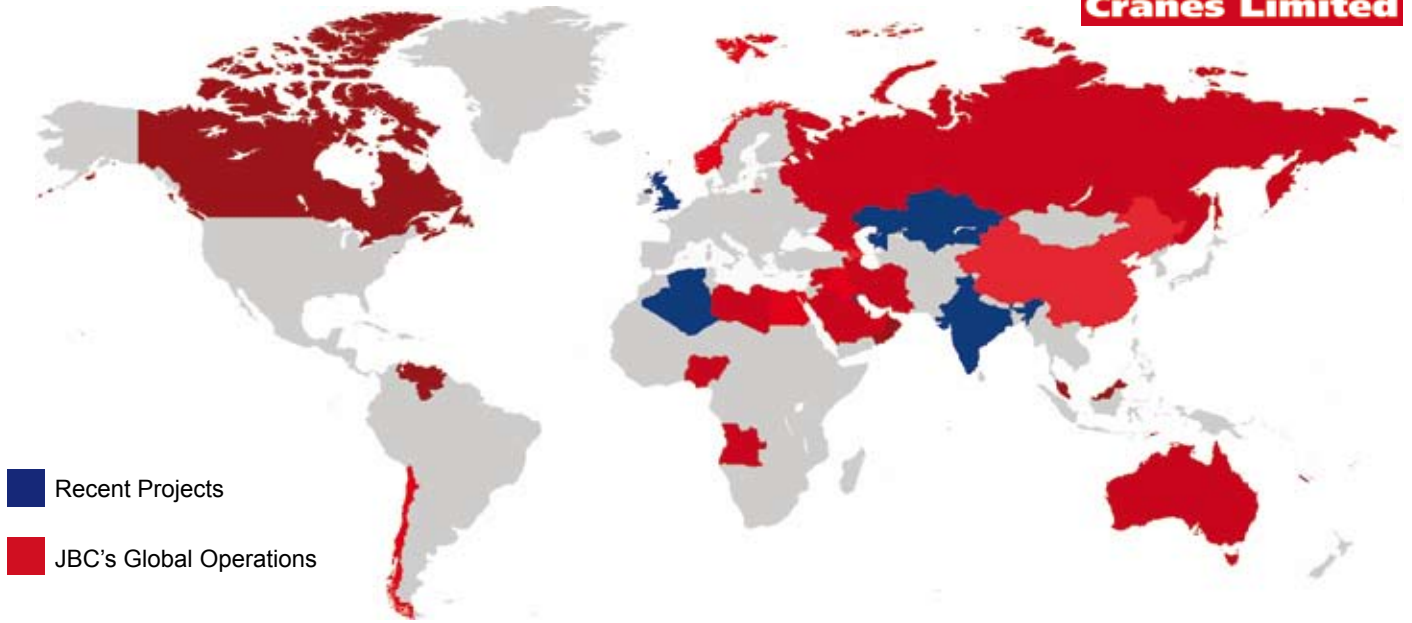



Typical Crane Features:


- Protection against overloading
- Asbestos-free brake linings
- Overhoist & overlower limit switches
- Anti-derailment device on crane and crab unit, non-sparking type
- Control panel mounted on crane bridge platform
- Travel and traverse limit switches with actuators for mounting on crane runway

Additional Features:

- Brass wheels
- Bronze coated load hooks
- Aggressive environment paint systems
- Low and high ambient temperatures
- Increased enclosure protection
- Anti-condensation panel heaters
- Radio control
- Off-standard supply voltages



 Recent Projects

 JBC's Global Operations

Client	Description	Region	Equipment
Petrofac/ KOC	Offshore Platform	Kuwait	Various EX EOT Cranes
Petrofac/ Agip	Offshore Platform	Kazakstan	9 * EX EOT Cranes
Bechtel/ Reliance	Refinery	India	32 * EX EOT Cranes
CB&I	LNG Terminal	UK	3 * EX DG EOT Cranes
Fluor/ GASCO	Gas Plant	Kuwait	3 * EX EOT Cranes
JGC	Petrochemical Plant	Algeria	11 * EX EOT Cranes




FLUOR



JGC



Petrofac 



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