

Ambica Engineering Company Gives a Closer Look at Gantry Cranes and Its Types

Ahmedabad, Dec 15, 2020 ([IssueWire.com](https://www.issuewire.com)) - [Crane manufacturers in India](#) have designed gantry cranes, which are one of the types of overhead cranes. These gantry cranes use their legs to support the bridge, trolley, and hoist. An overhead crane configures with a [double girder EOT crane](#) to keep the freestanding legs that move on wheels along with the rail system. Gantry cranes are usually used if there is no need to incorporate the EOT runway system.

Unlike an overhead crane, these cranes do not need to be tied up in the construction grounds for support. These are typically used for external applications where an EOT crane is not required. The elimination of support system with runway beams results in a reduction of material and cost-effective compared to other cranes like a single girder or a **goliath crane**.

Large gantry systems run on a track embedded in the ground whereas, a smaller gantry system will run on castors that can be moved for light fabrication work. Let us study in detail the types of gantry cranes:

Full gantry cranes: Full gantry crane systems consists of two legs that rides on the rail. These are embedded with the top surface of the floor that runs on a straight line. The design allows motorized equipment that rolls over and crosses underneath the crane.

Semi-gantry cranes: Semi-gantry crane systems are designed with one leg that rides on wheels or rails. The other side of the crane is supported on the runway system and connected to the building system or the structure's wall. Unlike the bridge crane, these can save your workspace and do not need two runways to support the building columns.

Portable gantry cranes: Portable gantry systems are light in weight and run on casters and rubber wheels. The word portable itself means moving from one place to another, holding various loads or materials. The portable gantry cranes are transferred to any work cell to offer space-saving flexibility when unused.

Adjustable gantry cranes: The word adjustable itself means that the crane's design is made with variable height and span. It allows the end-user to change the beam's size and length according to the need to transport a gantry system. It is a flexible system that can be moved to different areas of the shop.

Feel free to contact us to know more about [gantry crane](#) and their importance.

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Source : Ambica Engineering

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