



SPANCO Wall Mounted Jibs Provide Lifting Supplement for Leading Manufacturer of Mobile Cranes

Features and Benefits

Lift objects over changing floor obstacles

Lifting supplement to large overhead cranes

200° Degree Rotation

Ease of use and quality build

Industry Group: Crane Manufacturers Association of America (CMAA)



Application

A leading manufacturer of mobile cranes operates a 58,000 square foot manufacturing facility in southeastern Pennsylvania. Assembly of the large cranes takes place in an individual building that is outfitted with large 30 Ton overhead cranes. The large mobile cranes are assembled as they move on a conveyor system through different staging areas. Each staging area serves as a sub-assembly for a different part of the mobile crane. Sub-assembly areas might include gearbox build-up, valve systems, transfer case build-ups, radiator build-ups, or engine frame staging.

Problem

During the set-up of the assembly line, management explored possible material handling solutions. Originally, a large freestanding I-beam workstation crane was considered. This solution became problematic because it interfered with the overhead crane. The shop manager suggested the possibility of using wall mounted jib cranes because of the

ability to fold them out of the way. After reviewing what SPANCO could provide, the shop manager invested in six 1 Ton capacity SPANCO 300 Series Wall Mounted Cantilever Jib Cranes. The jibs were mounted to the existing support structure and were placed in key sub assembly areas where overhead lifting was a critical need.

Solution

One sub assembly area is the “super-structure engine assembly.” In this area the mobile crane’s engine is pieced together and tested. Once the worker in this area has completed an assembly, the jib allows him to lift the assembly with ease. It is moved from his workstation out to the main assembly conveyor so that it can be installed on to the chassis. The jib allows him to lift up and over changing floor obstacles within the radius of the jib. Having the jib in his workstation means he doesn’t have to wait to use the large overhead crane.



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