

Counterbalance Forklift Attachments

In the material handling trade counterbalance lift trucks are very common pieces of machinery. They could be usually found in factories and warehouses all over the world. The leading lift truck manufacturers like for example Toyota, Mitsubishi and Linde all build counterbalance forklifts. They are available in different fuel options like for example electric, gas or diesel. Usually, a counterbalanced forklift truck consists of the following components:

The Cab is the part which has a seat for the person operating it and houses the a dashboard containing operator readouts, control pedals, levers, steering wheel plus various switches. The Truck Frame is the base of the machine that each of the other parts, wheels, power source, mast and counterweight, the axles are all attached to. The frame can also have fuel tanks and hydraulic fuel tanks constructed as part of its assembly. The Mast is the vertical assembly that does the majority of the work lowering and raising the forklift's load.

Constructed of heavy iron the counterweight is attached to the back of the forklift frame. The purpose of the counterweight is to counterbalance all the weight being carried and transferred. Using an electric lift truck, the huge lead-acid battery itself could function as part of or all of the counterweight. The Power Supply can have an internal combustion engine which could be powered by LP gas, CNG gas, diesel or gasoline. Electric forklifts are powered by either fuel cells which provide power to a battery or electric motors. The electric motors may be either AC or DC types.

Fork accessories are different types of material handling attachments which are available comprising slip-sheet attachments, fork positioners, roll clamps, container handlers, carpet poles, pole handlers, side shifters, multipurpose clamps and carton clamps.

When needing to park pallets closely together, the counterbalance forklift is the ideal electric lift used for the job. There are many benefits to utilizing a counterbalance lift over straddle-leg and fork-over designs. They do have some drawbacks however. A counterbalanced forklift could lift pallets directly off the floor for the reason that there are no stabilization legs to get in the way. The main disadvantage of this unit of forklift is that the weight capacity and lift height would generally be less compared to the different styles.