



## Advantages of Forklifts

Hydraulic lifts have an important role in the material handling industry. Automated lifts improve the overall operating efficiency from a logistics standpoint. Different types of hydraulic lifts suit every application like stacking, movement, relaying, and transportation of materials. Listed below are the types of hydraulic lifts being used in the materials handling industry and their advantages.

### Forklifts



Almost every manufacturing enterprise uses forklifts to aid them in handling heavy materials. These are small and practical machines that are engineered to be able to navigate through tight and narrow workspaces. Forklifts are very versatile when it comes to lifting different load capacities wherein customers have the freedom to choose a forklift that is just right for their load capacity needs and specification.



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## Counterbalance Forklift

The [counterbalance forklift](#) consists of a heavy counterweight that off-sets the weight of the load being carried on the tines. There are two main types of counterbalance forklifts; [combustion engine counterbalance forklifts](#) and [battery electric counterbalance forklifts](#).

The counterbalance in combustion engine counterbalance forklifts is built into the unit's rear, while battery electric forklifts are counterbalanced by the additional weight of the batteries mounted in the unit. Without the counterbalance, forklifts will become highly unbalanced when picking up heavy loads, putting the vehicle at risk of tipping over due to the additional weight on the tines.

### Advantages of Counterbalance Forklifts

#### i. Added Attachments Increases Versatility

Counterbalance forklifts are more versatile than standard forklifts since they can be equipped with a range of attachments. Attachments like clamps, rotators, and bin tippers, as well as carpet poles, enable a counterbalance forklift to perform tasks that increase the unit's flexibility.

#### ii. Various Fuel Types

Another benefit of counterbalance forklifts is that they can run on a range of fuel types such as [battery](#)/electric, [LPG](#), petrol, and diesel. The various fuel types available allow the device to be customized to a specific application. For example, a diesel-powered counterbalance forklift provides the required high power to lift and maneuver large heavy loads such as containers, while battery-powered counterbalance forklifts are suitable for operating indoors because they emit no toxic emissions.

#### iii. Lift a Range of Weights

Counterbalance forklifts are the most common forklift, with units built and engineered to safely lift weights ranging from 1.8 to 48 tons.

#### iv. Enhanced Maneuverability

[Three-wheel battery electric counterbalance forklifts](#) are the perfect solution for indoor applications such as warehousing where maximizing usable storage space is a priority.

#### v. Operation both Indoors and Outside

Non-marking, pneumatic, cushion, and solid tires are among the tire choices available for counterbalance forklifts. The best tire choice depends on the application; for example, a forklift working indoors in a warehouse is fitted with non-marking tires to avoid leaving marks on the warehouse floor during operations. Pneumatic tires are fitted to counterbalance forklifts that operate outdoors because they are heavy-duty, have deep treads in long-lasting rubber, and can withstand the harsh conditions of functioning outdoors on all surfaces.



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