

What are Forklifts Designed for?

Forklifts are designed to maximize warehouse space by being able to stack product as high as 30 to 40 feet. The forks or prongs are attached to the mast. The mast moves the product, often stacked on pallets, up and down by using a telescopic hydraulic cylinder. A telescopic hydraulic cylinder is a unit which allows the lift to elevate the product by enabling the hydraulic cylinder to slide inside one another, similar to sections of a telescope. This creates further lifting distance. A secondary set of hydraulic cylinders on the forklift allow the mast to tilt. There is also a 3rd hydraulic cylinder for a side shaft which is used for positioning.