



Warehousing & Logistics

Utilizing Overhead Space

The warehousing sector is evolving rapidly with the integration of new technologies, driving efficiency improvements. In response to rising e-commerce demands, labor shortages, and soaring real estate prices, companies are prioritizing vertical expansion to optimize existing space.

The rise of warehousing automation has transformed storage, conveyance, and tracking of products. Headlining in its scene is the Spiral Conveyor, vertically transporting goods within a minimal footprint. APOLLO Spirals excel in meeting the demand for vertical expansion in warehousing, reaching heights with a single drive motor, optimizing space and energy efficiency.

Specifically designed for warehousing & logistics, we recommend 3 specific types of spirals that have proven to be true *smooth operators* in your plant:



Heavy Duty

Our Heavy Duty models are tailored for heavier loads and offer customizable conveying with a load capacity of 100 kg. per m. and speeds up to 60 m. per minute. The innovative chain-slat arrangement allows seamless transport of various unit sizes without the hassle of adjustments, making it ideal for dynamic operations like pick modules where package sizes vary widely.

Wide Trak

Our largest Spiral features the widest conveying surface and has gained rapid adoption in venues like home improvement stores, accommodating diverse product sizes and heavy SKUs. With an industry-leading conveying surface width up to 900 mm., our Wide Trak models offer exceptional performance for large products. These spirals boast a total weight capacity of xxxx kg, allowing safe start-stop even when fully loaded.

Multiple Entry

Our Heavy Duty models offer optional shoot-in or shoot-out capabilities at intermediate levels. The unique shoot-in/out conveyors feature individually adjustable surfaces to seamlessly match the Spiral's pitch, ensuring safe and reliable product transfers.

Example Application Cases

Replacing Old Equipment:

APOLLO Spiral Conveyors are often chosen to replace older belt curves, incline, or gravity conveyors due to their low maintenance, compact footprint, and reliable performance. They can fit in tight spaces and, although they are usually delivered fully assembled as standard, their modular design allows for the option of on-site assembly in any challenging installations.

Order Picking:

When it comes to the essence of warehousing, Apollo machines whisks products from packaging to storage or palletizing, saving space and keeping things flowing at up to 60 meters per minute. These versatile movers effortlessly handle different product sizes without any need for adjustments.



Early Out Efficiency:

Our systems are designed to boost pick module efficiency by routing completed orders directly to the sorter. Commonly ordered SKUs on the lower level can bypass the module via an "early out" conveyor, saving energy and increasing efficiency.

The Royal Apollo Spiral Conveyors have become a game-changer in warehousing, maximizing space and revolutionizing material handling. As innovations advance, warehouse productivity and supply chain management will soar.

Our Spiral Conveyors are ready for the future. Are you?

