

NEXT GEN AUTOMATION FOR ROBUST OPERATIONS



**RACKS &
ROLLERS**
STORAGE TECHNOLOGIES AND AUTOMATION

ASRS - CRANE BASED

*Automated Storage Systems are far more popular & efficient than traditional storage systems. They are fast, accurate & have literally no scope for human errors. **ASRS with Stacker Crane is a highly efficient system for loading or unloading of goods, such as pallets & containers.***

Stacker Crane is a machine that runs in the aisles between the racks/shelves and performs the loading/unloading operations just like a forklift.

The crane runs smoothly on rails that are mounted on the floor that results in a quiet and steady movement of goods. It enters an aisle, positions itself in front of the respective location and carefully extracts/places the load from/at the desired spot. The whole system is controlled by a Warehouse Management System. Since the crane can reach as high as 40 metres easily with the press of a button, you can store materials at unused heights and save up extensively on expensive floor area. It can easily handle loads of all lengths and weights.

This storage system is adaptable to different load requirements and can be installed anywhere. The stacker crane operates on high speed and automatically delivers the loads exactly where they are wanted for further operations. Since these systems are operated by WMS (Warehouse management software) which is programmed for the precise location of the loads, huge amount of time is saved on manually locating where the desired loads are placed.

It can extract material from heights with complete accuracy and safety. The speed and accuracy of the system is what makes it a great choice for warehouses with high intensity operations. A Stacker Crane can handle up to 3000 kgs of load with absolute grace. **Using ASRS with Stacker Crane can cause a downward spike in manual errors in all your loading /unloading operations and thus result in increased overall productivity.** The precious human resources can thus be free of these mundane tasks and be put to better and more important uses where human skills are essential.

BEST SUITED FOR

Warehouses with high intensity inventory operations.

NOT RECOMMENDED FOR

Warehouses with low intensity of store/pick operations.

MAIN FEATURES

AUTOMATED SYSTEM

Automated storage/retrieval of goods lead to greater productivity.

HIGH DENSITY STORAGE

Stacker cranes can reach good heights thus making use of earlier unused space.

BETTER SPEED

The whole system is smooth and carries heavy loads at a great speed and efficiency.

ADAPTABLE

Can be easily adapted to different load requirements.

PROS

- 👍 Greater productivity
- 👍 Least errors
- 👍 Space efficient
- 👍 Accurate and safe

CONS

- 👎 More investment
- 👎 Regular maintenance required